

Symantec NetBackup™ Emergency Engineering Binary Guide

Release 7.6 and 7.6.x.x

Document Version 8



Symantec NetBackup™ Emergency Engineering Binary Guide

Documentation version: 7.6

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Technical Support

Symantec Technical Support maintains support centers globally. Technical Support's primary role is to respond to specific queries about product features and functionality. The Technical Support group also creates content for our online Knowledge Base. The Technical Support group works collaboratively with the other functional areas within Symantec to answer your questions in a timely fashion. For example, the Technical Support group works with Product Engineering and Symantec Security Response to provide alerting services and virus definition updates.

Symantec's support offerings include the following:

- A range of support options that give you the flexibility to select the right amount of service for any size organization
- Telephone and/or Web-based support that provides rapid response and up-to-the-minute information
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- Global support purchased on a regional business hours or 24 hours a day, 7 days a week basis
- Premium service offerings that include Account Management Services

For information about Symantec's support offerings, you can visit our website at the following URL:

<https://support.symantec.com/>

All support services will be delivered in accordance with your support agreement and the then-current enterprise technical support policy.

About Symantec Operations Readiness Tools

Symantec Operations Readiness Tools (SORT) is a robust set of standalone and web-based tools that support Symantec enterprise products. For NetBackup, SORT provides the ability to collect, analyze, and report on host configurations across UNIX/Linux or Windows environments. This data is invaluable when you want to assess if your systems are ready for an initial NetBackup installation or for an upgrade.

Access SORT from the following webpage:

<https://sort.symantec.com/netbackup>

Once you get to the SORT page, more information is available as follows:

- Installation and Upgrade Checklist
Use this tool to create a checklist to see if your system is ready for a NetBackup installation or an upgrade. This report contains all the software and the hardware

compatibility information specific to the information provided. The report also includes product installation or upgrade instructions, as well as links to other references.

- Hot fix and EEB Release Auditor
Use this tool to find out whether a release that you plan to install contains the hot fixes that you need.
- Custom Reports
Use this tool to get recommendations for your system and Symantec enterprise products.
- NetBackup Future Platform and Feature Plans
Use this tool to get information about what items Symantec intends to replace with newer and improved functionality. The tool also provides insight about what items Symantec intends to discontinue without replacement. Some of these items include certain NetBackup features, functionality, 3rd-party product integration, Symantec product integration, applications, databases, and the OS platforms.

Help for the SORT tools is available. Click **Help** in the upper right corner of the SORT home page. You have the option to:

- Page through the contents of the help similar to a book
- Look for topics in the index
- Search the help with the search option

Contacting Technical Support

Customers with a current support agreement may access Technical Support information at the following URL:

www.symantec.com/business/support/

Before contacting Technical Support, make sure you have satisfied the system requirements that are listed in your product documentation. Also, you should be at the computer on which the problem occurred, in case it is necessary to replicate the problem.

When you contact Technical Support, please have the following information available:

- Product release level
- Hardware information
- Available memory, disk space, and NIC information
- Operating system

- Version and patch level
- Network topology
- Router, gateway, and IP address information
- Problem description:
 - Error messages and log files
 - Troubleshooting that was performed before contacting Symantec
 - Recent software configuration changes and network changes

Licensing and registration

If your Symantec product requires registration or a license key, access our technical support Web page at the following URL:

www.symantec.com/business/support/

Customer service

Customer service information is available at the following URL:

www.symantec.com/business/support/

Customer Service is available to assist with non-technical questions, such as the following types of issues:

- Questions regarding product licensing or serialization
- Product registration updates, such as address or name changes
- General product information (features, language availability, local dealers)
- Latest information about product updates and upgrades
- Information about upgrade assurance and support contracts
- Information about the Symantec Buying Programs
- Advice about Symantec's technical support options
- Nontechnical presales questions
- Issues that are related to CD-ROMs, DVDs, or manuals

Support agreement resources

If you want to contact Symantec regarding an existing support agreement, please contact the support agreement administration team for your region as follows:

Asia-Pacific and Japan customercare_apj@symantec.com

Europe, Middle-East, and Africa semea@symantec.com

North America and Latin America supportsolutions@symantec.com

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About the NetBackup EEB and release content listings

This chapter includes the following topics:

- [About the NetBackup EEB and release content listings](#)
- [About the NetBackup release content documentation conventions](#)

About the NetBackup EEB and release content listings

Each release of NetBackup incorporates fixes to several known issues that affected previous versions of NetBackup. Some of these fixes are associated with the customer-specific issues that have been documented in the form of Titan or Salesforce.com (SFDC) cases. Several of the customer-related fixes that are incorporated into each release are also made available as emergency engineering binaries (EEBs).

The *NetBackup Emergency Engineering Binary Guide* contains the following information:

- Tables that list the EEBs that were incorporated into NetBackup releases
- Release content listings of some of the known issues that were fixed in NetBackup releases

The *NetBackup Emergency Engineering Binary Guide* is published for each major release and minor (single-dot) release. The guide is then periodically updated to include the EEB and release content listings for subsequent double-dot and triple-dot releases.

Much of the information that is found in the *NetBackup Emergency Engineering Binary Guide* can also be found on the Symantec Operations Readiness Tools (SORT) website using the NetBackup Hot Fix and EEB Release Auditor widget.

See “[About Symantec Operations Readiness Tools](#)” on page 203.

Note: If you do not see information about an EEB or a fixed issue that you expected to see in the *NetBackup Emergency Engineering Binary Guide* or in SORT, contact Symantec Support.

About the NetBackup release content documentation conventions

The following items describe the conventions used in the NetBackup release content listings:

- **Etrack Incident**
Notes the Etrack number that targets a release
- *Associated Primary Etrack*
An additional Etrack number that exists in the incident hierarchy
- *Associated Service Request Etrack*
The Etrack that is associated with the customer support service request
- *Description*
Describes a particular issue that has been fixed in a release, as well as additional notes and workarounds (if available).
Workarounds can be used instead of applying the patch, however, Symantec recommends the best practice of operating at the latest available NetBackup release level.
- ****Description or **Etrack number**
Describes a critical issue or an issue that can lead to a potential data loss that has been fixed in this release
Please read these issue descriptions carefully. In some cases, a Tech Alert link is provided.

NetBackup 7.6.1.2 EEB and release content listings

This chapter includes the following topics:

- [NetBackup 7.6.1.2 EEB listing](#)
- [NetBackup 7.6.1.2 release content listing](#)

NetBackup 7.6.1.2 EEB listing

[Table 2-1](#) contains a listing of known issues with NetBackup that were identified, fixed, and made available to customers in the form of an emergency engineering binary (EEB). NetBackup 7.6.1.2 resolves the issues that were fixed with each of these EEBs.

More information on the Etracks that are listed in this topic (and any other service request Etrack) can be found using the Symantec Operations Readiness Tools (SORT) website.

See [“About Symantec Operations Readiness Tools”](#) on page 203.

Table 2-1 NetBackup 7.6.1.2 EEB Listing

Etrack Number	EEB Description
3336475	Some clients are missing from the Client Summary Dashboard.
3351599	The Virtual Client Summary report does not show the last backup time.
3370954	The Virtual Client Summary report does not show the last backup time.
3403160	Some clients are not listed under the 'Objects not in selected view' tab.
3411062	Some clients are not listed under the 'Objects not in selected view' tab.

Table 2-1 NetBackup 7.6.1.2 EEB Listing (*continued*)

Etrack Number	EEB Description
3411120	Some clients are not listed in 'Objects not in selected view' tab.
3419509	An OpsCenter report has the same number of rows in the interface and in the CSV export, but the exported values are different.
3428079	The Client Summary Dashboard shows duplicate clients.
3444131	Data collection hangs when collecting job data.
3484578	Duplicate entries for several VMWare clients and other clients are missing.
3519061	Data collection hangs when collecting job data. Historical image data collection keeps running during initial sync.
3540779	This fix provides database stored procedures in OpsCenter database that can be invoked to manually purge data from OpsCenter database.
3638587	The NetBackup Java Administration console becomes unresponsive when browsing a backup of a flat directory which contains over 6.5 million files.
3642175	Certain tables never purge their old data.
3643984	Logical volume mapping (LVM) fails due to an incorrect offset for one of the file extents during VMware backup.
3644801	VMware backup job fails with a malloc memory corruption error.
3665650	Kilobytes per second (KB/s) reported by the activity monitor is incorrect. Activity monitor displays the KB/s of the last write, instead of the average of all writes during the restore.
3668946	Accelerator-enabled backups become unresponsive when the backed-up volume is replicated using EMC Replication Manager.
3670422	Unable to browse catalog images after CATMAN migration.
3675331	OpsCenter data collection on a VM machine fails with error code 25. Log file incorrectly indicates that a master server is a proxy server.
3680099	Image data collector fails with "Data collection has failed because of unknown reason."
3681723	The <code>BMRDB_DATA.db</code> file grows too large on NetBackup version 7.6 and above.
3683893	The NetBackup Job Manager process (<code>nbjrm</code>) generates a core dump. The problem can also display a variety of symptoms. In this particular case, the job manager log contains an internal error message.
3684931	The Storage Lifecycle Manager service <code>nbstserv</code> generates a core dump or goes away on HP UNIX operating systems due to memory exhaustion.

Table 2-1 NetBackup 7.6.1.2 EEB Listing (*continued*)

Etrack Number	EEB Description
3690308	SharePoint GRT-versioned documents restore successfully but may have sizes of 0 bytes.
3691680	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3691832	The NetBackup Authentication Service (<code>nbatd</code>) occasionally experienced a core dump issue.
3692580	Too many backup records need to iterate if no cache exists before a new backup job runs. When the cache is lost because one backup job fails, the large number of backup records leads to a timeout for the job.
3694938	Unable to browse catalog images after CATMAN migration due to mixed IDIRSTRUCT values.
3703627	Sharepoint GRT Backups display incorrect or garbled file names while browsing. Windows Explorer and SharePoint Manager may still show correct file names.
3707476	After an upgrade from OpsCenter 7.6.0.2 to 7.6.0.4, many clients which were previously set to <code>deleted=true</code> are now set to <code>deleted=false</code> and incorrectly appear in SQL query-based reports.
3710660	The <code>nbrePLICATE</code> command generates error code 227 (no entity was found) when multiple copies of the same image exist.
3713103	Backup of a FIFO (named pipe) file only backs up the metafile, not its contents. This issue only affects FIFO files that are specified by the policy file list or by command line, not FIFO files that are nested inside directories.
3718668	Unable to browse catalog images after CATMAN migration.
3727716	VMware API logging is disabled due to a bug which causes it to log credentials in clear text instead of messages. Because of this, it is impossible to troubleshoot some VMware backup issues. This EEB restores logging so that it generates normal messages.
3731166	Bulk Merge fails because the generated XML contains multiple ID attributes with the value 'o912364' in the same document.
3735610	Contains changes to the initialization of the VDDK so that VMware snapshot backups no longer hang intermittently.
3736714	Reports do not work due to an aliasing issue which assigns the same alias to multiple clients.
3737475, version 1	Correcting expiration time update of tape copy made from imported image (SLP + AIR) in the target domain. Corrected processing of deferred copy setting of specific SLP and images managed by it.
3737988	SharePoint GRT-versioned documents restore successfully but may have size of 0 bytes.

Table 2-1 NetBackup 7.6.1.2 EEB Listing (*continued*)

Etrack Number	EEB Description
3743129	NetBackup services do not start on MacOS 10.10.2 after a reboot or install.
3745857	The NetBackup Job Manager process (<code>nbgm</code>) generates a core dump daily. The log file at <code>/var/log/messages</code> reports segfaults for each core dump.
3747059	Exchange 2013 GRT backups may not catalog mailbox information for some databases. Gathering the mailbox list may take up to 30 minutes per database. All backups generate exit status 0.
3747590	When browsing backup images for restore in the NetBackup SQL GUI for a mirrored environment, the restore selection hierarchy may incorrectly form if differential backups are timestamped prior to a full backup.
3748081	Hyper-V Backups on Windows 2012 R2 can exhaust system memory due to aggressive cache memory management.
3749963	A single file-level restore fails on a Solaris SPARC master server. The NetBackup Request process <code>bprd</code> generates a core dump on the root drive.
3750680, version 2, 1	NDMP duplicating failure of query files file causes resource unreleased.
3753411	Exchange and SharePoint GRT operations fail with status code 1 if the date format for the locale is not in mm/dd/yyyy format.
3754461	Hyper-V backups on Windows 2012 R2 can consume excessive memory.
3755276	VMware API logging is disabled due to a bug which causes it to log credentials in clear text instead of messages. Because of this, it is impossible to troubleshoot some VMware backup issues. This EEB restores logging so that it generates normal messages.
3759525	NetBackup puts an increased load on a vCenter when performing concurrent VMware backups using VMware Intelligent Policy.
3760183, version 1	Storage lifecycle policy (SLP) with the Deferred Duplications to tape option did not set the correct expiration time.
3761174	If a job is suspended and resumed, the policy/client will not be scheduled to run again until the NetBackup Policy Execution Manager daemon (<code>nbpem</code>) is restarted.
3764779	Using the <code>nbrePLICATE</code> command in an AIR environment generates error code 227 (no entity was found) when multiple copies of the same image exist.
3767198	After canceling multiple jobs, the NetBackup Job Manager <code>nbgm</code> process may experience a core dump issue. This problem can also display a variety of other symptoms.

Table 2-1 NetBackup 7.6.1.2 EEB Listing (*continued*)

Etrack Number	EEB Description
3768680, version 1	When browsing for restore in the SQL GUI for a mirrored environment, the restore selection tree may be wrong with differential backups dated prior to a full backup appearing. A MOVE template for a mirrored environment has no MOVE or TO lines.
3779907	Restoring files on Mac OS X did not restore Extended Attributes and Resource Forks.
3780702	Contains the latest NetBackup Storage Lifecycle Manager daemon (<code>nbstserv</code>) updates to improve batching and duplication job submissions.

NetBackup 7.6.1.2 release content listing

This topic contains a list of some of the known issues that were fixed and included in the NetBackup 7.6.1.2 release.

Etrack Incident: 3651170

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Changing the Deferred Duplication state for a version of an storage lifecycle policy (SLP) did not update the Images waiting to be duplicated that are using that version of the SLP.

Etrack Incident: 3676320

- Associated Primary Etrack: 3675333
- Associated Service Request Etrack(s): 3675331
- Description:
OpsCenter virtual machine (VM) data collection failed on Solaris and AIX master servers.

Etrack Incident: 3681080

- Associated Primary Etrack: 3679626
- Associated Service Request Etrack(s): 3679624
- Description:
On a Granular Recovery Technology (GRT) restore of messages to a user's mailbox, NetBackup inserted a message in the user's mailbox regarding the restore. The message contained a suggestion to refer to a job ID for more information, but the job ID was missing.

Etrack Incident: 3705936

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Unix ALL_LOCAL_DRIVE multi-stream backups with an include list and an exclude list that specified '/' backed up the same data path specified in the include list for each stream (per mount point). The result was duplicated backup data.

Etrack Incident: 3705949

- Associated Primary Etrack: 3683897
- Associated Service Request Etrack(s): 3683893
- Description:
The NetBackup Job Manager (`nbjm`) could experience core dump issues due to rare race conditions.

Etrack Incident: 3709339

- Associated Primary Etrack: 3680041
- Associated Service Request Etrack(s): 3680035
- Description:
AIR Replication on Windows servers was very slow when `bandwidthlimit` was set in the `agent.cfg` file.

Etrack Incident: 3710188

- Associated Primary Etrack: 3668950
- Associated Service Request Etrack(s): 3668946
- Description:
Accelerator-enabled backups would hang when the volume being backed up was replicated using EMC Replication Manager.

Etrack Incident: 3710478

- Associated Primary Etrack: 3706136
- Associated Service Request Etrack(s): 3706133
- Description:
Specific include dates or exclude dates beyond Jan 19, 2038 caused the NetBackup Policy Execution Manager (`nbpem`) to fail.

Etrack Incident: 3710649

- Associated Primary Etrack: 3692585
- Associated Service Request Etrack(s): 3692580
- Description:
Oracle RAC 2 node backups failed with status code 6. Too many backup records needed to iterate if no cache existed before a new backup job ran. When the cache was lost because one backup job failed, the large number of backup records lead to timeout for the job.

Etrack Incident: 3713697

- Associated Primary Etrack: 3707518
- Associated Service Request Etrack(s): 3707517
- Description:
An email address would break into two addresses if the original address contained an ampersand.

Etrack Incident: 3718599

- Associated Primary Etrack: 3718462
- Associated Service Request Etrack(s): 3718458
- Description:
VMware Virtual Intelligent Policy (VIP) backups using custom attributes failed if another vCenter (VC) is needed but does not have custom attributes.

Etrack Incident: 3725822

- Associated Primary Etrack: 3743133
- Associated Service Request Etrack(s): 3743129
- Description:
NetBackup and PBX failed to start after a reboot on Mac OS X 10.10 Yosemite.

Etrack Incident: 3726291

- Associated Primary Etrack: 3419540
- Associated Service Request Etrack(s): 3419509
- Description:
Duplicate clients appeared in reports when each client had different IDs.

Etrack Incident: 3732055

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:

The first job in a new policy with a schedule using **Retries Allowed After Runday** ignored the Include dates.

Etrack Incident: 3734397

- Associated Primary Etrack: 3725885
- Associated Service Request Etrack(s): 3766134
- Description:
A FlashBackup Windows policy failed with a status 13 (can't open raw device) if the backup selection included a root volume and a path to a mount point off the root volume.

Etrack Incident: 3737478

- Associated Primary Etrack: 3713787
- Associated Service Request Etrack(s): 3760183
- Description:
Storage lifecycle policy (SLP) with the **Deferred Duplications** to tape option did not set the correct expiration time.

Etrack Incident: 3741138

- Associated Primary Etrack: 3665653
- Associated Service Request Etrack(s): 3665650
- Description:
Activity Monitor job details incorrectly reported the number of kilobytes per second for restoring for NDMP from a tape device using multiplexing.

Etrack Incident: 3742143

- Associated Primary Etrack: 3691833
- Associated Service Request Etrack(s): 3691832
- Description:
The NetBackup Authentication Service `nbatd` occasionally experienced a core dump issue. The issue was noted on only one Red Hat Enterprise Linux (RHEL) 6.4 master server with an AMD Opteron Processor 6140, though other similar masters in the environment did not manifest this issue.

Etrack Incident: 3745805

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:

Encrypted filesystems implemented as Overlay Filesystem (ovlfs) were backed up twice when using the `ALL_LOCAL_DRIVES` directive.

Etrack Incident: 3746414

- Associated Primary Etrack: 3540143
- Associated Service Request Etrack(s): 3540114
- Description:
After successful completion of a Catalog backup, a disaster recovery (DR) email was not sent.

Etrack Incident: 3748891

- Associated Primary Etrack: 3744068
- Associated Service Request Etrack(s): 3744064
- Description:
VMware Intelligent Policy (VIP) backups and query failed when long passwords were used.

Etrack Incident: 3751538

- Associated Primary Etrack: 3743133
- Associated Service Request Etrack(s): 3743129
- Description:
NetBackup and PBX failed to start after a reboot on Mac OS X 10.10 Yosemite.

Etrack Incident: 3751908

- Associated Primary Etrack: 3540796
- Associated Service Request Etrack(s): 3540779
- Description:
Defragmenting the OpsCenter database took too long to complete when long retention periods were defined and **Enable Expired Image Purge** was not selected.

Etrack Incident: 3752553

- Associated Primary Etrack: 3707477
- Associated Service Request Etrack(s): 3707476
- Description:
After upgrading from OpsCenter 7.6.0.2 to 7.6.0.4a, previously deleted clients appeared once again in reports.

Etrack Incident: 3778988

- Associated Primary Etrack: 3761175
- Associated Service Request Etrack(s): 3781585
- Description:
Backup jobs that were suspended and then resumed would not schedule again until the NetBackup Policy Execution Manager daemon `nbpem` was restarted.

NetBackup 7.6.1.1 EEB and release content listings

This chapter includes the following topics:

- [NetBackup 7.6.1.1 EEB listing](#)
- [NetBackup 7.6.1.1 release content listing](#)

NetBackup 7.6.1.1 EEB listing

[Table 3-1](#) contains a listing of known issues with NetBackup that were identified, fixed, and made available to customers in the form of an emergency engineering binary (EEB). NetBackup 7.6.1.1 resolves the issues that were fixed with each of these EEBs.

More information on the Etracks that are listed in this topic (and any other service request Etrack) can be found using the Symantec Operations Readiness Tools (SORT) website.

See [“About Symantec Operations Readiness Tools”](#) on page 203.

Table 3-1 NetBackup 7.6.1.1 EEB Listing

Etrack Number	EEB Description
3149698	Microsoft Exchange GRT restore fails with error code 13, and the ncfgre log shows timeout failure when _wchmod command is issued to nbfsd to link the log files.
3289459	MSSQL Transaction log backups with BATCHSIZE defined take too long to process.
3300031	Support of Bare Metal Restore (BMR) for Windows operating system to a machine with 512e Advanced Format disks.

Table 3-1 NetBackup 7.6.1.1 EEB Listing (*continued*)

Etrack Number	EEB Description
3336475	Some clients are missing from the Client Summary Dashboard.
3351599	The Virtual Client Summary report does not show the last backup time.
3369943	Call media_read_notify script with the list of media is actually required to perform the specified restore operation.
3370954	The Virtual Client Summary report does not show the last backup time.
3380036	Call media_read_notify script with the list of media is actually required to perform the specified restore operation.
3380282	Snapshot rotation can fail when duplications are in progress. This issue leads snapshot backups to fail with status code 228.
3393476	An SQL MOVE template containing a MOVE restore for both a full and a differential database backup fails on restoring the differential-incremental backup.
3396354	Writing a user backup type (database backups are user backups) to a write-once read many (WORM) tape using key management services (KMS) encryption fails with status code 83 (media open error).
3403160	Some clients are not listed under the 'Objects not in selected view' tab.
3411062	Some clients are not listed under the 'Objects not in selected view' tab.
3411120	Some clients are not listed in 'Objects not in selected view' tab.
3419509	An OpsCenter report has the same number of rows in the interface and in the CSV export, but the exported values are different.
3428079	The Client Summary Dashboard shows duplicate clients.
3436394	Restoring or browsing granular Exchange backups fails due to slow response to catalog query for a list of backed up files in an image.
3439255	VMware virtual machine annotation custom attributes are not restored during full VM restore.
3444131	Data collection hangs when collecting job data.
3453279	After successful completion of a physical-to-virtual (P2V) operation, a "Operating System cannot be found" error message appears for the newly restored virtual machine.
3465142	An SQL MOVE template containing a MOVE restore for both a Full and a Diff database backup fails on restoring the Diff (INCR) backup due to Sparse bit being set after full backup's restore.

Table 3-1 NetBackup 7.6.1.1 EEB Listing (*continued*)

Etrack Number	EEB Description
3469113	OpsCenter periodically generates alert messages that say that nbemm is down on one of the media servers.
3484578	Duplicate entries for several VMWare clients and other clients are missing.
3486900	OpsCenter continues to send 'Active/Clear' alert emails for a drive even though the drive continues to be in DOWN state.
3492553	Physical-to-virtual (P2V) job in Windows 2003 x86 fails with an status code 1 and logs the message "formatDisks Could not find the corresponding volume for the raw device "\Device\DeviceID" in bmr2vrst process logs.
3504841	A restore of a folder with Japanese characters to alternate location always restores to the original location without giving any error or warning.
3509232, version 2	Upgrade beyond NetBackup 7.5.0.6 fails without true image restore (TIR) pruning and image hold fixes.
3518680	VMware virtual machine annotation custom attributes are not restored during full VM restore.
3519061	Data collection hangs when collecting job data. Historical image data collection keeps running during initial sync.
3526622	After an import, the "number of files" counter in a backup image displays different values for the source and the target master servers.
3537763	BMR selects the incorrect Backup Images for restoring the data.
3538055	Look-up column values are not restored when used with custom content types in Microsoft Office SharePoint Server [MOSS2007].
3538646	Upgrade to 2.6.0.2 causes target ports to disappear from SAN switch.
3540779	This fix provides database stored procedures in OpsCenter database that can be invoked to manually purge data from OpsCenter database.
3541260	Advanced Success Rate report does not show accurate figures.
3547061	Capacity report generation fails because temporary files cannot be created.
3558411	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3559744	SQL agent GUI crashes when it tries to browse a large number of backup images of the database(s) having SQL Fulltext catalog configured in mirrored configured environment.
3574757	OpsCenter is consuming large amounts of memory.

Table 3-1 NetBackup 7.6.1.1 EEB Listing (*continued*)

Etrack Number	EEB Description
3575592	Distributed File System Replication (DFSR) job leaves files in ...\\NetBackup\\temp after job completes.
3575627	SQL-Server database restore fails when the filename has non-English characters.
3576931	Database manager (bpdbrm) occasionally core dumps while adding entries to the catalog.
3579595	No Storage Lifecycle Policies (SLPs) are starting.
3583667	VMware virtual machine annotation custom attributes are not restored during full VM restore.
3584557	OpsCenter Server Service is consuming large amounts of memory, resulting in slow performance on WebUI, database and server side.
3594763	NetBackup bpbbrm command is core dump when backup to tape with MPX is enabled for over multiple clients. command core dump.
3595405	Writing a user backup type (database backups are user backups) to a write-once read many (WORM) tape using key management services (KMS) encryption fails with status code 83 (media open error).
3595469	After restoring a virtual machine with annotations, the annotations themselves are restored but the values are not.
3596017	Physical to Virtual (P2V) job fails with error code 7 if you select datastore under Datastore Cluster (for exmaple, STORAGEPOD) to create virtual machine.
3597815	An SQL MOVE template containing a MOVE restore for both a Full and a Diff database backup fails on restoring the Diff (INCR) backup due to Sparse bit being set after full backup's restore.
3597976	The Bare Metal Restore setup master command fails if NetBackup is installed at non-default location on a Windows operating system.
3599373	Look-up column values are not restored when used with custom content types in Microsoft Office SharePoint Server [MOSS2007].
3600057	NetBackup Fibre Transport Media server process nbftsvr shuts down intermittently.
3607036	nbstlutil cancel function occasionally hangs due to a deficiency in the nbstserv session shutdown logic.
3617109	If BIOS UUIDs are not unique, then the results of VMware Intelligent Policy (VIP) queries filtering on custom attributes may be unpredictable.
3623965	Capacity report generation fails because temporary files cannot be created.

Table 3-1 NetBackup 7.6.1.1 EEB Listing (*continued*)

Etrack Number	EEB Description
3627604	The nbconsole and bppschedrep processes crash if the number of included and excluded files becomes too large.
3628881	The NetBackup client is missing from OpsCenter view as there is no associated ID in OpsCenter database for the client.
3629324	A Linux virtual machine (VM) that is configured with a logical volume manager (LVM) volume that has a name that starts with a number causes the VM backups to fail.
3630143	Intermittent core dump issue with NetBackup Service Layer process (nbsl) occurs when network connectivity is unstable.
3634365	NetBackup Flashbackup issue.
3639210	Restoring or browsing granular Microsoft Exchange backups fails with error code 2810.
3640373, version 1	Two issues combined: 1. Physical-to-virtual (P2V) job fails with an error code 7 if user selects datastore under Datastore Cluster (for example, STORAGEPOD) to create a virtual machine. 2. P2V job in Windows 2003 x86 fails with status code 1.
3641173	VMware Application State Capture job for SharePoint fails when a services database name contains Russian characters.
3642175	NetBackup OpsCenter issue.
3642442	When generating a MS SQL MOVE template for a mirrored environment, no MOVE or TO lines are generated.
3643118	NDMP backups created prior to NetBackup 7.0 cannot be duplicated in any release after 7.0.
3645121	NetBackup for VMware issue.
3645141	SQL-Server database restore fails when the filename has non-English characters.
3646194	NetBackup OpsCenter issue.
3647328	Application State Capture fails for Microsoft Exchange protection in a VMware backup. The error '_tfopen() failed' will be logged to the bpfis log.
3648122	GRT restore fails on a 32-bit Windows system for restores of Microsoft Active Directory, Microsoft Exchange and Microsoft SharePoint data due to the nbgr.exe process not being started.
3656827	NetBackup Catalog issue.
3658849	NetBackup Deployment Reporting Utilities issue.
3664033	NetBackup for VMware issue.

Table 3-1 NetBackup 7.6.1.1 EEB Listing (*continued*)

Etrack Number	EEB Description
3665290	NetBackup Bare Metal Restore issue.
3666409	Teradata restores fail. The dbclient log shows an error such as the following: 19:55:46.343 [17178] [16] readTarHeader: ERR - requested filename [/XXXX/F0295] does not match returned filename [/XXXX/F0001].
3668137	Teradata restores fail. The dbclient log shows an error such as: 19:55:46.343 [17178] [16] readTarHeader: ERR - requested filename [/XXXX/F0295] does not match returned filename [/XXXX/F0001].
3677897	NetBackup Service Layer issue.
3679525	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3682385	NetBackup for VMware issue.
3682943	Restore of a Microsoft SQL Server database fails if the SQL server database name contains a space.
3688274	The backup of a Microsoft SQL database fails when the database name contains international characters. The job details and dbclient log show the following type of error: USER - Backup operation inhibited because database ?XYZ? does not exist.
3693305	Performing a bplist command causes incremental catalog backups to unnecessarily backup catalog files (.f files) because the ctime of the files was updated.
3695505	bpcovrage dumps core when -c client_name is used where client has Oracle Intelligent Policy configured. The command does not support that policy configuration, not all information is displayed for that type of policies, but it should not core dump.
3711317	NetBackup for VMware issue.

NetBackup 7.6.1.1 release content listing

This topic contains a list of some of the known issues that were fixed and included in the NetBackup 7.6.1.1 release.

Etrack Incident: 3545762

- Associated Primary Etrack: 3525123
- Associated Service Request Etrack(s): 3524940
- Description:
 When Accelerator encountered a file with a newline character (\n) in the name, it would lead to a backup failure on the subsequent Accelerator-enabled backup.

Etrack Incident: 3557877

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
An incorrect label was displayed for the read rate in an Oracle policy. Kblocks/sec is incorrect. **KB/sec** (kilobytes per second) is correct.

Etrack Incident: 3559277

- Associated Primary Etrack: 3520044
- Associated Service Request Etrack(s): 3519907
- Description:
When a client alias was added to the original client, NetBackup created a file system directory with the name of the client alias at *install_path/netbackup/db/image/filename*. On a UNIX platform, this folder is a symbolic link to the real client directory. On Windows, NetBackup created an *ALTPATH/filename* file that contained the path to the real client directory. When the client alias was removed, the file system directory was not deleted. When the real client was removed (catalog cleanup), the symbolic links directory (on Linux) became a dead symbolic link. This issue caused two problems: the catalog backup failed with status code 1; and the already-used client alias name could not be reused even though it is removed.

Etrack Incident: 3559461

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The following error occurred while updating the OpsCenter Agent on a Solaris 10 SPARC local zone: `CPI ERROR V-9-2-1029 Installation on or from local zones is not supported.`

Etrack Incident: 3562762

- Associated Primary Etrack: 3406756
- Associated Service Request Etrack(s): 3406714
- Description:
Slow performance was experienced with Accelerator-enabled backups jobs (full and cumulative incremental). Some unnecessary data was included in cumulative incremental backups.

Etrack Incident: 3563425

- Associated Primary Etrack: 3427990
- Associated Service Request Etrack(s): 3427964
- Description:
If the Japanese language pack was installed, the Collect And Upload Log wizard failed with the following message: Could not copy as logs collection failed.

Etrack Incident: 3564777

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Many images that were identified as TIR prunable should not have been identified as such. Processing these unnecessary images added load to the database and wasted processing time for the BPDBM child process.

Etrack Incident: 3575310

- Associated Primary Etrack: 3551519
- Associated Service Request Etrack(s): 3551500
- Description:
During a mapped backup, volumes in a Linux VM are resolved with the wrong path.

Etrack Incident: 3579864

- Associated Primary Etrack: 3554622
- Associated Service Request Etrack(s): 3568693
- Description:
Cache authorization results were returned due to an incorrect key that was used for the cache lookup.

Etrack Incident: 3582510

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
An incorrect label was displayed for the read rate in an Oracle policy. Kblocks/sec is incorrect. **KB/sec** (kilobytes per second) is correct.

Etrack Incident: 3586825

- Associated Primary Etrack: 3549507

- Associated Service Request Etrack(s): 3549053
- Description:
Restores initiated by OpsCenter Simplified File Restore (SFR) did not correctly restore files larger than 1 GB.

Etrack Incident: 3586876

- Associated Primary Etrack: 3562875
- Associated Service Request Etrack(s): 3562282
- Description:
The **Images On Tape** and **Images On Disk** reports did not display information in the **On Hold** and **Indexing** columns if the images were indexed and kept on hold.

Etrack Incident: 3587297

- Associated Primary Etrack: 3535804
- Associated Service Request Etrack(s): 3535615
- Description:
OpsCenter reports such as **Job Tabular** or any tabular custom report where the **Job Directory** column was selected showed the `SNAP_ID SET` directive resulting in duplicate entries of same job.

Etrack Incident: 3588093

- Associated Primary Etrack: 3571768
- Associated Service Request Etrack(s): 3571687
- Description:
A segmentation fault occurred when a service pack or Linux update was added with the **Modify an existing Shared Resource Tree (SRT)** option of the `bmsrtadm` command.

Etrack Incident: 3589870

- Associated Primary Etrack: 3452104
- Associated Service Request Etrack(s): 3452090
- Description:
Database schedule ran multiple times daily when they were scheduled only once.

Etrack Incident: 3592793

- Associated Primary Etrack: 3563163
- Associated Service Request Etrack(s): 3562267

- Description:
The NetBackup Java user interface (UI) **Images on Media (Tape & Disk)** report incorrectly indicated images on hold where the image hold did not exist.

Etrack Incident: 3599126

- Associated Primary Etrack: 3582494
- Associated Service Request Etrack(s): 3582058
- Description:
A duplication of an image that resides on MSDP failed with the error code 144 (`invalid command usage`). The situation occurred when the specific disk pool was selected through the catalog portion of the NetBackup Java Console.

Etrack Incident: 3604972

- Associated Primary Etrack: 3558990
- Associated Service Request Etrack(s): 3558987
- Description:
Several sockets stayed in a `CLOSE_WAIT` state or a `FIN_WAIT_2` state during a synthetic backup.

Etrack Incident: 3605784

- Associated Primary Etrack: 3567958
- Associated Service Request Etrack(s): 3567235
- Description:
OpsCenter Policy & Schedule Data Collector returned the message `Data collection has failed because of unknown reason.`

Etrack Incident: 3606221

- Associated Primary Etrack: 3597407
- Associated Service Request Etrack(s): 3597381
- Description:
Generating the OpsCenter Disk Usage report failed with the error `failed to execute stored procedure getDiskUsage.`

Etrack Incident: 3613416

- Associated Primary Etrack: 3575067
- Associated Service Request Etrack(s): 3575049
- Description:

When a folder with special Spanish characters was selected for restore in the NetBackup Windows Java user interface, a pop-up window stated `no entity was found`.

Etrack Incident: 3617376

- Associated Primary Etrack: 3614104
- Associated Service Request Etrack(s): 3614083
- Description:
When using BRTOOLS to backup SAP, the `bprd` process core dumped when the optional `SAP_POLICY` variable was not set in the `.utl` file.

Etrack Incident: 3620382

- Associated Primary Etrack: 3508611
- Associated Service Request Etrack(s): 3508228
- Description:
A FlashBackup-Windows policy that was created to take full virtual machine backups (VMware, Hyper-V) was not correctly converted into a VMware or Hyper-V policy. If you tried to convert such a policy to a VMware or Hyper-V policy and tried to run the backup, the backup failed. During the conversion, the policy lost the backup selection, and there was no way to add the backup selection, resulting in an unusable policy.

Etrack Incident: 3625894

- Associated Primary Etrack: 3554728
- Associated Service Request Etrack(s): 3554187
- Description:
The Drive Utilization report did not display information for encrypted backups.

Etrack Incident: 3628072

- Associated Primary Etrack: 3608379
- Associated Service Request Etrack(s): 3608374
- Description:
Storage lifecycle policy (SLP) name filters could not be used in SLP Backlog reports.

Etrack Incident: 3636538

- Associated Primary Etrack: 3632253
- Associated Service Request Etrack(s): 3632250
- Description:

The `dbbackup -v` command failed with the error message `database is in recovery mode`.

Etrack Incident: 3638095

- Associated Primary Etrack: 3575855
- Associated Service Request Etrack(s): 3575458
- Description:
In OpsCenter reports for policies that were modified, the **Policy Active** field reflected an incorrect status.

Etrack Incident: 3644152

- Associated Primary Etrack: 3623188
- Associated Service Request Etrack(s): 3623187
- Description:
Sometimes a request by the NetBackup Storage Lifecycle Manager service (`nbstserv`) to expire a copy took a long time (in minutes) and delayed storage lifecycle policy (SLP) processing.

Etrack Incident: 3652143

- Associated Primary Etrack: 3549507
- Associated Service Request Etrack(s): 3549053
- Description:
Restores initiated by OpsCenter Simplified File Restore (SFR) did not correctly restore files larger than 1 GB.

Etrack Incident: 3662950

- Associated Primary Etrack: 3652981
- Associated Service Request Etrack(s): 3652980
- Description:
Original text: ExtraConfig virtual machine metadata is not restored during VMware virtual machine restore. Edited text for RN: `ExtraConfig` virtual machine metadata was not restored during VMware virtual machine restore.

Etrack Incident: 3662995

- Associated Primary Etrack: 3662942
- Associated Service Request Etrack(s): 3662938
- Description:

Incremental, Accelerator- enabled backups of a Linux VM completed but did not clean up several temporary files in the `BPF$MAP_TMPDIR` folder of the NetBackup install directory.

Etrack Incident: 3671863

- Associated Primary Etrack: 3425834
- Associated Service Request Etrack(s): 3424912
- Description:
When an Oracle Intelligent Policy was defined with instance groups and created on a NetBackup master server, data collection in OpsCenter failed for **Policy & Schedule**.

Etrack Incident: 3676114

- Associated Primary Etrack: 3642670
- Associated Service Request Etrack(s): 3642669
- Description:
Browsing virtual machines (VMs) in a Hyper-V policy resulted in an error code 195.

Etrack Incident: 3676266

- Associated Primary Etrack: 3661279
- Associated Service Request Etrack(s): 3661278
- Description:
Low optimization rates were observed with Accelerator-enabled backups of files that contain extended attributes on Solaris file servers.

Etrack Incident: 3681692

- Associated Primary Etrack: 3680647
- Associated Service Request Etrack(s): 3680646
- Description:
Accelerator-enabled backups completed with a status code 1 for Windows Server 2003 32-bit systems.

Etrack Incident: 3689594

- Associated Primary Etrack: 3688412
- Associated Service Request Etrack(s): 3688409
- Description:

Accelerator jobs failed with a status code 24 if \Program Files\Veritas\Netbackup\temp (Windows) or /usr/opensv/tmp (UNIX) was missing.

Etrack Incident: 3690373

- Associated Primary Etrack: 3535804
- Associated Service Request Etrack(s): 3535615
- Description:
OpsCenter reports such as **Job Tabular** or any tabular custom report where the **Job Directory** column was selected showed the `SNAP_ID SET` directive resulting in duplicate entries of same job.

Etrack Incident: 3695968

- Associated Primary Etrack: 3689169
- Associated Service Request Etrack(s): 3689167
- Description:
OpsCenter ignored jobs that were marked as deleted when it calculated **Job Sync Time**.

Etrack Incident: 3700906

- Associated Primary Etrack: 3682473
- Associated Service Request Etrack(s): 3682470
- Description:
Expiration time was not updated if the image copy was manually expired.

NetBackup 7.6.1 EEB and release content listings

This chapter includes the following topics:

- [NetBackup 7.6.1 EEB listing](#)
- [NetBackup 7.6.1 release content listing](#)

NetBackup 7.6.1 EEB listing

[Table 4-1](#) contains a listing of known issues with NetBackup that were identified, fixed, and made available to customers in the form of an emergency engineering binary (EEB). NetBackup 7.6.1 resolves the issues that were fixed with each of these EEBs.

More information on the Etracks that are listed in this topic (and any other service request Etrack) can be found using the Symantec Operations Readiness Tools (SORT) website.

See [“About Symantec Operations Readiness Tools”](#) on page 203.

Table 4-1 NetBackup 7.6.1 EEB listing

Etrack Number	EEB Description
2001775	While generating a MOVE script from the MSSQL agent interface, dbbackup.exe uses incorrect image sets which causes the restore failure.
2223031	The NetBackup Administration Console displays the images that were made before the daylight saving time (DST) change with an adjusted time that is off by one hour.
2373499	Restores of 2.5 million files are processed for over 17 hours in the bpdpm program before they go active.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
2379192	NetBackup 7.0.1 processes do not start appropriately after the OS is booted when using Veritas Cluster Server (VCS).
2421597	Restores of 2.5 million files are processed for over 17 hours in the bpdbrm program before they go active.
2526473	FlashBackup restores of millions of files are queued for many hours before they go active.
2577067	Need the ability to specify the media server that should be used to perform the restore request.
2601047	When a NetBackup cluster node is restarted, the NetBackup startup scripts start all daemons. This behavior may cause concurrency violations and some NetBackup processes may not start completely.
2617695	An interface is required to display the list of media servers that are available for restoring a selected backup.
2656876	The NetBackup Agent Monitor script times out on cluster. That causes NetBackup to restart/fail over even though NetBackup services are running fine.
2660732	Support for HP-UX Itanium VPAR SRP Containers: http://www.symantec.com/docs/TECH180901
2661839	Restores of 2.5 million files are processed for over 17 hours in the bpdbrm process before they go active.
2679107	Restores of 2.5 million files are processed for over 17 hours in the bpdbrm process before they go active.
2748878	Performance issues with the scheduled export of a reports.
2748951, version 2	Bundle of fixes for NetBackup 7.1.0.4 SAN Client Fibre Transport media server issues.
2753077	Restores of 2.5 million files are processed for 17+ hours in the NetBackup Database Manager (bpdbrm) before they become active.
2754364	The NetBackup Enterprise Media Manager (nbemm) process' thread gets stuck in an SQLExecute call, which causes all other backup jobs to queue.
2767908	Performance improvements for backups of Distributed File System Replication (DFSR) systems.
2793427	The bpbkar32.exe program crashes doing a SharePoint backup.
2798313	The export of a scheduled report takes a very long time.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
2815601	Restores of 2.5 million files are processed for 17+ hours in the NetBackup Database Manager (bpdmb) before they become active.
2829356	A one-time script was created to address an issue with removing image fragments. The script is not included in any other release vehicle.
2863127	Restores of 2.5 million files are processed for 17+ hours in the NetBackup Database Manager (bpdmb) before they become active.
2880137	Installs the PDDE 7.0.2 package on Solaris x86 servers.
2901521	A 'NumberFormatException' occurs while running a scheduled export report.
2961469	A one-time script was created to address an improperly decommissioned media server. The script is not included in any other release vehicle.
2986057	The NetBackup Agent Monitor script times out and NetBackup restarts even though NetBackup is running fine.
2996404, version 2, 1	Memory leak in NetBackup Enterprise Media Manager(nbemm) process.
3006284	A one-time script was created to address an issue using drive name rules in a cluster. The script will not be included in any other release vehicle.
3017645	During a SharePoint backup with NetBackup 7.5.0.4, the bpbkar.exe program encounters a core dump issue with an "Access violation".
3019575	When a NetBackup cluster node is restarted, the following issues may occur: 1) concurrency violation on the inactive node, 2) some NetBackup processes do not start completely, and 3) for a one-node cluster, links to the shared disk can be missing.
3028881	Restores of the databases that have curly braces can fail.
3029484	A one-time script was created to fully remove a media server by the nbdecommission tool - Exit status 20. The script will not be included in any other release vehicle.
3043782	An Advance Success Rate report does not correctly report the number of successful and failed jobs.
3053482	A Fibre Transport (FT) media server can encounter a problem with the FT server process (nbftsvr) stopping with the following error: "SCPALDMA Assertion failed".
3055406	The Fibre Transport (FT) client process (nbftclnt) crashes.
3058479	For the SAN Client Fibre Transport client process (nbftclnt), turn on the 'FTCLIENT_VALIDATE_VIA_CHECK_CONDITION' functionality by default.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3069430	A Backup of an Enterprise Vault (EV) directory database fails with status code 72.
3077904	In the NetBackup Java Administration Console, clicking on the 'Override policy storage selection' check box while editing a policy schedule causes the retention level to reset to Level 1 (default 2-week).
3086115	The image data collector fails on a master server with and 'org.omg.CORBA.OBJECT_NOT_EXIST' server-side exception.
3093192	If the connection is blocked between the NetBackup Job Manager (nbjm) and the NetBackup client service (bpcd), the subsequent database backup job for that client fails due to unavailability of free bpcd connection.
3093404	A one-time script was created to address an issue using drive name rules in a cluster. The script will not be included in any other release vehicle.
3100799	The export of a scheduled report takes a very long time.
3114410	Generating a recovery report yields a "premature end-of-file" error and the report is missing the recovery steps.
3116644	Image data collection fails with a "CORBA.OBJECT_NOT_EXIST" error.
3122190	The Fibre Transport server process (nbftsvr) exits abnormally. The nbfdv64 process exits with segmentation fault.
3123236	A Backup of an Enterprise Vault (EV) directory database fails with status code 72.
3127151	Cluster restart or failover is triggered if the script monitoring the NetBackup Database Manager (bpdbm) fails to respond within the monitor timeout.
3129891	A multistreamed SAP restore fails on Linux because the bprestore command is not properly formatted.
3141517	The 'Override policy volume pool' policy option is grayed-out under the 'Change Schedule - Attributes' tab and 'Media and Device Manager - Media - Volume Pools'. If 'Catalog Backup' has been selected for a volume pool, then it cannot be deselected.
3143861	The Fibre Transport (FT) server process (nbftsvr) reports DebugBreak and AbortIOTask messages, followed by hours of no activity with nbftsvr.
3143954	A Fibre Transport (FT) media server can encounter a problem with the Fibre Transport server process (nbftsvr) stopping due to an assertion failure.
3149995	An interface is required to display the list of media servers that are available for restoring a selected backup.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3150002	The NetBackup Backup, Archive, and Restore interface does not provide a way to select a media server to be used for a restore operation.
3154428	The Client Summary Dashboard report does not update the client NetBackup versions automatically.
3158926	In the NetBackup Java Administration Console, clicking on the 'Override policy storage selection' check box while editing a policy schedule causes the retention level to reset to Level 1 (default 2-week).
3162199	When the source database and destination database names and instance names are identical, a DB2 alternate client roll-forward fails because the backup following the roll-forward tries to run on the source client instead of the destination.
3177452	A single file restore from a FlashBackup image results in an assert error when restoring a Windows single-instance store (SIS) file.
3180639	The NetBackup for SQL Agent interface generates an incorrect MOVE script resulting in restore failure.
3184530	The bpinetd process crashes during Microsoft Volume Shadow Copy Services (VSS) snapshot cleanup.
3184554	Backups of checkpoint files exhibit performance degradation.
3186698	The Client Summary Dashboard report does not update the client NetBackup versions automatically.
3186938	The Client Summary Dashboard report does not update the client NetBackup versions automatically.
3187911	A multistreamed SAP restore fails on SUSE Linux.
3188094	The Client Summary Dashboard report does not update the client NetBackup versions automatically.
3199333	The Fibre Transport (FT) client process (nbftclnt) crashes.
3199724	Large Distributed File System Replication (DFSR) backups fail and the bpbkar32.exe program can crash.
3202210	An Exchange GRT restore from a NetBackup 7.1 image fails in version 7.5.0.4.
3204999, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3205000, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205001, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205002, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205003, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205004, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205005, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205006, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205007, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205008, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205009, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205010, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205011, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205012, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3205013, version 1	Inaccurate calculation of capacity and traditional licensing reporting in the NetBackup Deployment Utility (nbdeployutil).
3206707, version 2, 1	A long-running pruning phase of a cleanup job prevents catalog compression from running.
3207282	A one-time script was created to remove a reference to a decommissioned media server in the database. The script will not be included in any other release vehicle.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3210144	An Advanced Success Rate report fails because of a daylight saving time (DST) effect when the selected time range falls within February 16th and November 21st.
3210493	Cumulative incremental backups can be much slower in NetBackup 7.5 than they were in version 7.1.
3211336	The NetBackup Administration Console shows zero disk pools under 'Device Monitor - Disk Pools' if it doesn't have an AdvancedDisk license.
3215626	A Disk Pool Full alert gets generated only after the high water mark is reached, which results in failed backup jobs.
3222403	During cleanup, the NetBackup Database Manager (bpdbm) process hangs or takes a great deal of time processing. This behavior is observed in the case of a corrupt .f file with millions of records.
3224295	A one-time script was created to remove entries from the "DBM_DRMedia" table in order to remove the "foreign media server" entry from the database. The script will not be included in any other release vehicle.
3226495	Unable to backup the registry (NTUSER.DAT) when a user is not logged in.
3227128	Enterprise Vault partition backups fail with status code 156 for mounted partitions.
3227367	The NetBackup Backup-and-Archive Manager (bpbkar) does not correctly send file information to the NetBackup Backup-and-Restore manager (bpbm) for the files that contain a new line in the file name. The result is a bpbm core dump issue.
3228543	Installs the MSDP package on Solaris x86 servers for NetBackup 7.5.0.6.
3229364	An alternate restore of a client-side encrypted backup between an x86 computer and a SPARC computer fails with status code 11.
3229377	Even though the Bare Metal Restore (BMR) database contains compatible Windows drivers, during a 'Prepare to Restore' operation, a higher-level driver is inserted even though it is incompatible.
3234665	Backups of checkpoint files exhibit performance degradation.
3234668	Backups of checkpoint files exhibit performance degradation.
3237306	A condition can occur where the end time variable is not populated, which causes the kilobytes per second value to become negative.
3237705	NetBackup 7.1 server installation (patching) fails on an HP-UX vPar with a Secure Resource Partition (SRP) container enabled, where the SRP container should not be updated.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3239631	When the VxVM snapshot method is used for local host, mirrored snapshots fail when two or more are run in parallel that are under the control of NetBackup.
3241035	A one-time script was created to address the media server deletion failure with the nbdecommission utility. The script will not be included in any other release vehicle.
3242299	SAP backups of files larger than 4GB fail when 'sort_type' is set to device.
3243594	A core dump issue can occur with the NetBackup Backup-and-Archive Manager (bpbkar32.exe) during incremental backup. The logs indicate that it was in the 'create_parent_entries' portion of the backup.
3244039	Fibre Transport (FT) client process (nbftclnt) core dump issue.
3244968	A differential incremental backup from an Enterprise Vault policy type does not clear archive bits.
3246576	The Fibre Transport (FT) server process (nbftsvr) reports DebugBreak and AbortIOTask messages, followed by hours of no activity.
3248100	Processing Exchange files on snapshot takes too long.
3251172	During backups, the backup-and-archive manager (bpbkar) can crash due to heap corruption.
3252489	An Oracle Flash Recovery Area (FRA) backup to a storage unit that is taken after 24+ hours fails.
3252796	An alternate restore of a client-side encrypted backup between an x86 computer and a SPARC computer fails with status code 11.
3253930	Installation of NetBackup 7.5 fails with a host name containing -u.
3254621	A one-time script was created to address an issue with decommissioning media servers. The script will not be included in any other release vehicle.
3256280, version 1	The NetBackup Policy Execution Manager (nbpem) does not honor the 'Retries allowed after runday' option.
3256446	Distributed File System Replication (DFSR) backups fail to clear archive bits, thus making incremental backups appear to run as full backups.
3256665	Image information intermittently missed for successful job records.
3257857	An Exchange GRT restore may fail with a NetBackup 7.1.0.4 client if the backup image was created by and duplicated by NetBackup 7.1 to 7.1.0.2, and Exchange 2010 SP1 or later had created the mailbox.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3258112	A Disk Pool Full alert gets generated only after the high water mark is reached, which results in failed backup jobs.
3258831	Backup jobs to Data Domain fail when NetBackup Accelerator is enabled.
3260752	Added the force flag to the vxassist command to allow the SmartMove feature of Volume Manager to work with NetBackup snapshots.
3262154	Deletions of images in NetBackup with SQL-BackTrack for Oracle if 'Legal Hold' is set.
3263480	Deletions of images in NetBackup for 'Legal Hold' images for XBSA and SQL-BackTrack agents for Oracle.
3263484	Deletions of images in NetBackup and Oracle if 'Legal Hold' is set.
3263486	Deletions of images in NetBackup and Oracle if 'Legal Hold' is set.
3263488	Prevent the deletions of images in NetBackup and Oracle if Legal Hold is set.
3263490	Deletions of images in NetBackup and Oracle if 'Legal Hold' is set.
3263564	If 'metastat' command shows full device path instead of device name in the output and Solaris client has Solaris Volume Manager installed, then restore fails with invalid boot device path created for a non-default Solaris Volume Manager client.
3265279	The NetBackup Policy Execution Manager (nbpem) does not honor the 'Retries allowed after runday' option.
3266365	The Backup, Archive, and Restore Java interface hangs when a non-administrator user performs a login.
3266421	An Exchange GRT restore may fail with a NetBackup 7.5.0.5 client if the backup image was created by and duplicated by NetBackup 7.1 to 7.1.0.2, and Exchange 2010 SP1 or later had created the mailbox.
3266602	For single file restores under the 'Search' tab in the OpsCenter interface, files with sizes greater than 1 GB display incorrect values.
3266917	Unable to backup the registry (NTUSER.DAT) when a user is not logged in.
3268422	A one-time script was created to decommission two media servers that still appear in the EMM Database with references to backups from 2012. The script will not be included in any other release vehicle.
3269421	A restore of a large SQL database that has a large number of filegroups or files fails with status code 24 and leaves the database in a restoring state.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3269849	A core dump issue occurs when the nbrbutil -dumptables command is run when the NetBackup Enterprise Media Manager (nbemm) is down.
3270022	Backups of stub files fail with status code 130. NetBackup treats these stub files as sparse files.
3270614	An Exchange GRT restore may fail with a NetBackup 7.5.0.6 client if the backup image was created by and duplicated by NetBackup 7.1 to 7.1.0.2, and Exchange 2010 SP1 or later had created the mailbox.
3271877	Installation of NetBackup 7.5.0.6 fails with a host name containing -u.
3273589	Installation of NetBackup 7.5.0.5 fails with a host name containing -u.
3274072	The 'Override policy volume pool' policy option is grayed-out under the 'Change Schedule - Attributes' tab and 'Media and Device Manager - Media - Volume Pools'. If 'Catalog Backup' has been selected for a volume pool, then it cannot be deselected.
3274742	If multiplexing is enabled in a VMware policy, the backup job can fail with status code 73.
3275765	The Backup, Archive, and Restore program for Windows crashes when the 'Backup' window is closed using the Close button (X) on the application window.
3277447	The keyword 'VXDBMS_VALIDATION = OFF' in the vxdbms.conf file does not work correctly. It should stop validating the database for a hot catalog backup.
3277716	An Exchange granular restore fails with the following error when the mailbox name contains a forward slash (/): "no entity was found".
3280482	A one-time script was created to address a specific condition where the replication host cannot be deleted using the nbemcmd command. The script will not be included in any other release vehicle.
3280724	A multistreamed backup policy that has two schedules with destination storage as disk storage and an SLP with snapshot causes the snapshot job to run repeatedly instead of once.
3284316	When the bpimmedia -mediaid command reports an image that resides on the specified media, it omits those fragments that do not reside on that media.
3284351	The NetBackup Enterprise Media Manager process (nbemm) hangs due to different queries getting stuck.
3284494	VMware backup job fails in the backup and archive manager (bpbkar) with status code 73 if multiplexing is enabled.
3285533	A Backup of an Enterprise Vault (EV) directory database fails with status code 72.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3286233	Some jobs are missing during job data collection.
3288231	When browsing for a restore, networks are not seen while restoring with the NetBackup Plug-in for VMware vCenter.
3288749	Need secure version of Apache Tomcat.
3289848	The bpinetd process crashes during Microsoft Volume Shadow Copy Services (VSS) snapshot cleanup.
3292292	Various Sybase defects.
3293625	An Exchange GRT restore may fail with a NetBackup 7.5.0.6 client if the backup image was created by and duplicated by NetBackup 7.1 to 7.1.0.2, and Exchange 2010 SP1 or later had created the mailbox.
3295967	An Exchange granular restore fails with the following error when the mailbox name contains a forward slash (/): "no entity was found".
3297435	Application job failure because of a blocked connection, if for some reason the NetBackup Job Manager (nbjm) cannot get a response from the NetBackup Client Daemon (bpcd) within a specific timeframe.
3298566	NetBackup OpsCenter does not show some of the jobs that are seen in the Activity Monitor.
3298572	NetBackup OpsCenter does not show some of the jobs that are seen in the Activity Monitor.
3300573	A core dump issue occurs while running the nrbutil -dumptables command when the NetBackup Enterprise Media Manager (nbemm) is down.
3302249	Unable to select the 'Install a clustered Master Server' radio button option when using a single-node VCS cluster with the Global Cluster Option (GCO) option.
3303030	A VxMS error occurs in reading a logical volume manager (LVM) disk if the disk also contains a master boot record (MBR) magic number.
3303205	In some cases, temp files are left on the computer that is the backup host for VMware backups.
3304446	After partial catalog recovery, the backup policies that refer to storage lifecycle policies (SLPs) cannot be modified or disabled at the command line.
3305820	Accumulating bpcd and bpcIntcmd processes can consume 100% of CPU time, rendering an SQL client unresponsive.
3306691	NetBackup 7.5.0.6 EEB bundle for SAN Client Fibre Transport media server.
3306840	SAN Client EEB bundle for NetBackup 7.5.0.6.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3306949	The NetBackup Backup-and-Archive Manager (bpbkar) crashes as a result of invalid data in the following registry key: "SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management\PagingFiles".
3307885	Performance improvements for backups of Distributed File System Replication (DFSR) systems.
3308782, version 1	The Activity Monitor continually reports "Unknown Job Type" following an upgrade of the master server.
3308932	The active node does not assign the correct name when the cluster name is a different case in the policy.
3309127	The "bpimage -update -keyword" command does not work with NetBackup 7.5.0.x.
3310111	Incremental backups are much slower in NetBackup 7.5 than they were in NetBackup 7.1.
3311027	The 'ndmp_end_notify' script is not called when using NDMP multiplexing.
3311495	When a catalog backup fails, the NetBackup Database Manager (bpbdbm) crashes while preparing to run the disaster recovery email script.
3315287	Memory leak issue in the NetBackup Service Layer (nbsl).
3315839	Enterprise Vault partition backups fail with status code 156 for mounted partitions.
3315960	Job fails randomly with status code 235 when NetBackup Access Control (NBAC) is enabled.
3316213	During snapshot deletion sessions, nbdelete may start many unnecessary bpbdm processes for snapshot deletion. This issue can cause deletion performance problems.
3316947	The NetBackup Remote Administration Console for Windows overflow displays incorrect kilobytes written to media for a large backup of approximately 5.5 TB.
3317235	The dbbackup.exe program uses incorrect image sets when building a MOVE script for restore.
3318540	The VMware Intelligent Policy (VIP) Test Query button returns an error message for some queries.
3320504	Trap recipients are removed after a copy of an alert policy has been made.
3320755	The NetBackup Enterprise Media Manager (nbemm) appears to hang and stop logging.
3321609, version 2, 1	A VxMS error occurs in reading a logical volume manager (LVM) disk if the disk also contains a master boot record (MBR) magic number.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3322779	After job and image collections start, the NetBackup Service Layer (nbsl) uses thousands of handles, causing the master server to run low of memory and become unresponsive.
3323789	A core dump issue occurs with the mmcrawl command.
3325584	Unable to browse virtual machines for selection. The following is displayed in the bpVMutil logs: "CREATE_CONTAINER_VIEW_ERROR".
3327888, version 1	Image data collection fails due to an OBJECT_NOT_EXIST exception.
3330255	An AIX client bundle import fails due to the failure of the lsjfs and lsjfs2 commands that are related to journaled file system (JFS).
3330467	When hosting a volume on an EMC array and attempting to perform a FlashBackup, a failure occurs if the EMC Volume Shadow Copy Service (VSS) provider is not installed.
3332354	Unable to browse or discover virtual machines on vCenter 4.1.
3332389	Error log recycling that occurs while a catalog backup is active can lead to the backup ending with status code 1, affecting subsequent Vault operations.
3332489	Cannot decommission a particular media server through a command.
3332493	Windows Open File Backup jobs take much longer in NetBackup 7.6 than in version 7.1.
3333479	The 'ndmp_end_notify' script does not get called when multiplexing (MPX) is selected in the policy schedule and on the destination storage unit has MPX greater than 1.
3333575	Restores fail if the job ID is over 65534.
3335013	The All Failed Backups report is invalid when the success rate Metric Type is set to Stream.
3335192	The Backup, Archive, and Restore program for Windows crashes when the 'Backup' window is closed using the Close button (X) on the application window.
3335748	Unable to back up the clients that have hostnames that contain a trailing dot (period).
3336568	VMware network block device (NBD) restore fails due to network file copy (NFC) session timeout.
3336584	Restore jobs finish with status code 1: "(utimes() failed with EOVERFLOW)".
3336909, version 3, 2, 1	Bundle for the NetBackup Policy Execution Manager (nbpem) that contains various fixes.
3337097	A one-time script was created to decommission a media server that has contents stuck in 'DBM_MAIN' and 'DBM_DRMedia'. The script will not be included in any other release vehicle.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3338332, version 1	A long-running pruning phase of a cleanup job prevents catalog compression from running.
3339508	Unable to browse or discover virtual machines on vCenter 4.1. The error "CREATE_CONTAINER_VIEW_ERROR" is seen in the bpVMutil logs.
3342070	The tar32.exe process can crash during a system state restore on Windows Server 2003.
3342502	Accumulating bpcd and bpcntcmd processes can consume 100% of CPU time, rendering an SQL client unresponsive.
3345284	A differential incremental backup of Enterprise Vault partitions from an Enterprise Vault policy type does not clear archive bits.
3345427	The parent job (informational job) spawned by the SQL backups that were initiated from NetBackup client-side fail with status code 23 after all child jobs complete successfully when NBSERVER does not match the SQL server's first server entry.
3345579	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3348281	A backup of Enterprise Vault databases that are hosted by an SQL server that is configured to use an alias fails with status code 130 or 72.
3348788	The "bpimage -update -keyword" command does not work with NetBackup 7.5.0.x.
3349473	A VMware backup with Replication Director selected fails with status code 20. The NetBackup Database Manager (bpdbm) looked at the wrong path for the bpfis state files while in a clustered setup. An incorrect macro was used for the path to look for.
3350227	The Backup, Archive, and Restore interface shows an incorrect file size when an Exchange backup has failed.
3352690	The NetBackup-Java Administration Console displays errantly changes the schedule retention level, resetting to the default level (1, 2 weeks) when configuring the schedule to override the policy storage unit.
3352924	For a dissimilar system restore (DSR) to a newly-created virtual machine (ESXi 5.x) that has empty disks, thick/thin provisioning results in the following Bare Metal Restore (BMR) recovery failure: "The restore has stopped due to the following error:?".
3353267	BMR restores of Windows 2008 and newer clients fail with error messages in the BMR Restore utility (bmrst) log that are similar to the following: "butils.cpp:RestoreASRData() Failed to move file [C:\BMR\SCC\Automated System Recovery\bootmgr] --gle=2".
3353679	Unable to restore from the NetBackup-Java Administration Console. The following error is returned: "invalid date specified".

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3353834	A non-GRT SharePoint backup fails with status code 71 when an SQL-server alias is used.
3357483	A restore fails for Exchange 2013 server due to a Microsoft bug that can result in backups that cannot be restored with the roll-forward option.
3358176	If a system has more than 25 IPv6 interfaces, then the Private Branch Exchange (PBX) server protocol in the PBX C library fails.
3358533	Backups may become inaccessible if the nbdecommission command is run incorrectly for the removal of an MSDP server.
3358567	The Backup, Archive, and Restore interface shows an incorrect file size when an Exchange backup has failed.
3358796	A storage lifecycle policy (SLP) Status report does not appear to correctly display image and copy data. The SLP Backlog report also appears to be incorrect.
3361490	Adding media ID to a jobs report restricts the output to only successful jobs.
3362498	Poor performance of Distributed File System Replication (DFSR) data backups. Even small DFSR data sets on the order of several million files can take multiple days to complete a full backup.
3363390	An Exchange database restore fails if the original drive path does not exist on the target client.
3364605	SharePoint backups fail in a clustered SQL server environment, where SharePoint is configured with an alias to the virtual cluster name.
3365627	An SQL query that closes with a semicolon (;) generates a report that shows page 1 data being repeated on subsequent pages of the report.
3365980, version 1	The Backup, Archive, and Restore interface displays the 'Time Backed up' as one hour off for a backup image from before DST change.
3367129, version 2, 1	Jobs incorrectly display status code 50 in the Activity Monitor after a large number of NetBackup Job Monitor (bpjjobd) updates have been serviced.
3367874	Gap in a Disk Pool Size vs. Percentage Full report.
3369720	Virtual machine (VM) selection query results may be reused for longer than expected, and in some cases indefinitely. When older query results are used, VMs that have been created since that query will not be protected.
3369797	The /usr/opensv/db/bin/nbdb_backup -online 'dir' -truncate_tlog command gives a syntax error.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3372109	Various performance improvements for Distributed File System Replication (DFSR) backup and restore. The primary improvement is to increase DFSR backup performance to be approximately the same as a normal file system backup.
3373514	The Images on Disk report returns "No Entity Found" for the Cloud storage type.
3376043	Restoring a Granular Recovery Technology (GRT) mailbox item that contains invalid XML characters can fail.
3378874	During Auto Image Replication of a catalog backup, another catalog backup occurring on the production server may fail.
3379890	Random bpbkar core dump issues occur; most commonly stack is in VDDK when SIGSEGV or SIGABRT is raised.
3380239	Point-in-time configuration creation fails with "rc=20" if the backup image that is chosen is older than 6 months.
3381075	Accumulating bpcd and bpcIntcmd processes can consume 100% of CPU time, rendering an SQL client unresponsive.
3381348	In some cases, the snapshot can be deleted while the backup is still running, which can cause errors.
3382432	A backup of a Windows Server 2003 cluster results in the NetBackup Backup-and-Archive Manager (bpbkar) crashing at the start of the backup.
3382446	Bare Metal Restore (BMR) recovery of clients that have boot volumes on SAN multi-path (using EMC PowerPath and native Linux multi-path) has limited support. Follow the procedure in Tech Note TECH214071 to get it to work.
3382835	The nbdb_backup command does not accept the -truncate_tlog option for non-remote databases.
3383267	The Backup, Archive, and Restore program for Windows crashes when the 'Backup' window is closed using the Close button (X) on the application window.
3383303	For a dissimilar system restore (DSR) to a newly-created virtual machine (ESXi 5.x) that has empty disks, thick/thin provisioning results in the following Bare Metal Restore (BMR) recovery failure: "The restore has stopped due to the following error:?".
3383320	A VMware backup with Replication Director selected fails with status code 20.
3385006	A one-time script was created to address an issue where a media server could not be decommissioned by the nbdecommission utility. The script will not be included in any other release vehicle.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3385055	The NetBackup Backup-and-Restore Manager (bpbm) encounters a core dump issue on the backups of certain VMware guests.
3385076	Archived images are no longer identified as such in the NetBackup Backup, Archive, and Restore interface. The file lists of the archived images are also not browsable even though the bpcatrm command has not yet deleted them.
3385162	A Windows Server 2003 client file system backup fails with status code 13 after an upgrade from NetBackup 7.5.0.5 to version 7.5.0.6.
3385322	SAN Client EEB bundle for NetBackup 7.6.0.1.
3386944	Restricted test binaries for new MSDP functionality.
3387593	The NetBackup Enterprise Media Manager (nbemm) appears to hang and stop logging.
3387595	Unknown jobs showing in the Activity Monitor.
3387621	A snapshot operation reports success even if required metadata file transfer to the master server has failed due to a network disconnect between master, media, or client. The import operation fails if required metadata files are not present on the master.
3387634	The schedules that are deleted from a policy that has a synthetic schedule defined are not pruned from the streams file by the NetBackup Job Manager (nbjm) when stream discovery is performed.
3387635	The schedules that are deleted from a policy that has a synthetic schedule defined are not pruned from the streams file by the NetBackup Job Manager (nbjm) when stream discovery is performed.
3389794	Windows Open File Backup jobs take much longer in NetBackup 7.6 than in version 7.1.
3390861	While restoring VMware block-level incremental backups when the full backup is on a Media Server Deduplication Pool and the incremental on tape, restoring the full backup attempts to allocate resources for the incremental portion instead of the full.
3391357	A SharePoint 2013 backup fails with the following error: "IsClientValid".
3394809	In the Client Coverage report, the import of a CSV file fails.
3396909	The NetBackup Job Manager (nbjm) is not able to clean up the connection with the NetBackup client service (bpcd) and the associated file descriptors, resulting in file descriptor starvation.
3397132	Backup to BasicDisk with relocation and handling of incremental backup images with zero length fragments.
3398037	In some cases, disks are incorrectly mapped to the wrong physical disk path.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3398044	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3398210	After NetBackup restores a previously-deleted public folder item, Outlook shows the restore time rather than the original time as the posting time.
3400300	A single file restore from a FlashBackup backup that is greater than 2 TB fails when the NetBackup master and client are on different Linux systems.
3402090, version 2, 1	Catalog compression fails for .f files that are larger than 4 GB.
3402093	When a large amount of data needs to be compacted, the disk may become 100% full during a backup job due to a miscalculation of available space.
3403411	The NetBackup Administration Console for Windows displays an incorrect device host name in the 'Change Robot' display.
3404485	NetBackup installation hangs on AIX 7.1 TL3 and AIX 6.1 TL9.
3404879	Incomplete backups of Distributed File System Replication (DFSR) data occur when the DFSR data is distributed across more than one volume.
3405913, version 1	Modified parsing of fstab to allow comments after entry.
3406817, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406818, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406820, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406821, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406822, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406823, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406824, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406825, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3406826, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406831, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406832, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406833, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406834, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406835, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406837, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406839, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406840, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3408066	Enterprise Vault partition backups fail with status code 156 for mounted partitions.
3408087	When restoring of virtual machines (VMs) to vCloud Director, guest OS customizations are not restored.
3409141	The NetBackup Job Daemon (bpjobd) experiences a core dump issue on busy systems.
3409704	When the db\images directory is a mount point, NetBackup neglects to back it up during incremental catalog backups.
3409934	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3413692	The bpbkar.exe program crashes taking a SharePoint backup.
3414994	Restore jobs fail with status code 1. The restore log shows the following message: "utimes() failed with EOVERFLOW".
3415503	A NetBackup Backup-and-Archive Manager (bpbkar) core dump issue occurs intermittently with SAN backups when using a Linux VMware backup host.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3415539	Storage lifecycle policy (SLP) images are purged before they are expired.
3415558	Replication operations that contain many small files take an abnormally long time.
3415751	SAN Client Fibre Transport media server EEB bundle for NetBackup 7.6.0.1.
3415800	With VMware backups using SAN transport, the NetBackup Backup-and-Archive Manager (bpbkar) may receive a signal 13 which causes the process to abort. A bpbkar core dump issue may occur on Linux VMware backup hosts.
3416462	For Accelerator-enabled backups, NetBackup indicates an erroneous type for image type on a backup.
3416633	Introduction of the new keyword 'FORCE_BACKUP_CLIENT' in the db2.conf file allows for backup from an alternate client.
3419072	A Physical to Virtual (P2V) fails with status code 7 due to accessing a portion of virtual machine disk that is "out of bounds".
3419633	The Fibre Transport (FT) client process (nbftclnt) crashes if the service owner is in a Windows Server 2008 R2 domain.
3420208	If NetBackup Access Control (NBAC) is enabled and the NetBackup database has been migrated to a different location using nbdb_move, the installation fails.
3423517	A large number of stale NetBackup proxy service (nbproxy) processes remain and do not get cleaned up.
3424853	An Exchange Granular Recovery Technology (GRT) event on NetBackup 7.5.0.6 returns the following error when the mailbox name contains a '/' or '~': "no entity was found".
3425070	The nbemm process encounters a performance problem with one specific query when accessing a DBM_ImageFragment table containing millions of records. The issue can also be related to the underlying disk(s) used as storage for the NetBackup database (NBDB).
3425253, version 2	Bundle of fixes for the NetBackup Job Daemon (bpjobd).
3425345	Retrieving a client alias fails due to a missing entry for the client name in NetBackup's client-alias table.
3426646	The NetBackup Backup-and-Restore Manager (bpbm) crashes if a client has files on it that have newline characters in the file names.
3427024	On Red Hat Enterprise Linux (RHEL) 6.2 with storage area network (SAN) multi-path boot volumes, the output format of the multipath -l command changed. Therefore, the Bare Metal Restore (BMR) parser fails to capture the correct disk name.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3430843	The nbholdutil command-line utility fails when it is used to put a hold on a large number of images (about 100,000).
3430904, version 1	After an upgrade to version 7.5, NetBackup makes no progress performing storage lifecycle policy image migration.
3432369	When an OpenStorage (OST) storage unit is credentialed for a NetBackup clustered master server, selecting the 'Only use the following media servers' and the cluster name on the storage unit results in status code 213.
3432390	Fix for bpjobd process performance improvements in NetBackup 7.5.0.7.
3432735	NDMP backups have a zero value for kilobytes (KB) written.
3433335, version 2, 1	Core dump issue with bpjobd. Enables BPJOB_MAX_DB_READ_CONNECTIONS support.
3433708	The "bpdbm -alive_local" command takes longer to respond when the NetBackup Database Manager (bpdbm) is under load, causing it to time out.
3439135	Restores of virtual machines with LSI SAS controllers fail or go to the wrong location.
3439314	The NetBackup Job Manager (nbjm) crashes when long delays in the NetBackup Resource Broker (nrb) occurred due to a very busy system.
3439767	A SharePoint granular backup fails with a crash of the bpfis process.
3440376	The performance of Accelerator backups can be negatively affected when using OpenStorage disk storage when a flag is passed incorrectly to the NetBackup operation.
3446419	If the client name starts with a digit, then Bare Metal Restore (BMR) fails to update the task status from the WAITING state to a COMPLETED state even after the restore is successful.
3447761	In VMware backups with SAN transport, the NetBackup Backup-and-Archive Manager (bpbkar) receives a signal 13 which causes the backup to abort. This issue then causes a core dump issue with bpbkar on Linux.
3447860, version 1	A bundle to address multiple issues that relate to Enterprise Media Manager (EMM), including long Media-and-Device-Selection queries, slow tape-drive assignment, unavailable storage units, and backups queued behind a stuck SQL thread.
3447902	NetBackup installation hangs on AIX 7.1 TL3 and AIX 6.1 TL9.
3451027	The network listing with the NetBackup Plug-in for VMware vCenter does not list available networks.
3451991	MSDP to PDDO duplications fail with a status code 191 when the PureDisk (PDDO) storage pool contains three or more nodes.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3452064	When a Linux master server and a Windows VMware backup host are used, the VMware state files that are stored on the master server are not removed.
3453203	Differential Incremental backups continue to grow in size.
3454492	After an Oracle backup, a temporary RMAN script file (runman.XX.XX.tmp) is not deleted. This .tmp file is created on the client at the following location: /usr/openv/netbackup/logs/user_ops/dbtemplates/oracle.
3454772, version 1	The nbholdutil utility may error out with exit status 25 (cannot connect on socket) when attempting to put True Image Restore (TIR) images on hold.
3456512	Installation fails when NetBackup Access Control (NBAC) is enabled and the NetBackup database was migrated to a different location.
3456893	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3457548	A one-time script was created to address a specific condition where the nbdecommission utility was not able to decommission a media server that was not in use. The script will not be included in any other release vehicle.
3459506	An Exchange database fails if the original drive path does not exist on the target client.
3460600	When the virtual machine (VM) XML data size exceeds 256KB, a full VM restore fails.
3462103	The NetBackup Database Manager (bpdbm) process exhibits high CPU and memory usage during NDMP backups.
3464221	NetBackup is unable to compress catalog .f files larger than 4 GB.
3465192	Upgrading from a previous release to NetBackup 7.5 fails if the server name contains '-ua'.
3467593	With some OS and locale combinations, a GRT browse fails for a non-English mailbox name.
3468687	Job fails randomly with status code 235 when NetBackup Access Control (NBAC) is enabled.
3470734	If there is an exclude_list entry for /usr/openv then the xml control file is skipped for VMware backups. This issue results in a status code 0 and a 32kb backup image with no data protected. www.symantec.com/docs/TECH215894
3471780	A core dump issue occurs when the -remove_dotf option of bpcatarc is used.
3473745	A NetBackup OpsCenter upgrade to 7.6.0.1 fails with the following error: "SQL Anywhere Error -195: Column 'displayOrder' in table 'report_TableColumn' cannot be NULL".

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3473884	VMware backups may sometimes have a critical stop in the bpfis process, resulting in a signal 6.
3473902	Distributed File System Replication (DFSR) data that is backed up from a Windows Server 2012 NTFS deduplication volume results in unusable files upon restore.
3480049	Replication Director for VMware does not capture the size of the client correctly in the NetBackup Deployment Utility (nbdeployutil) Capacity Report.
3480592	Distributed File System Replication (DFSR) data that is backed up from Windows Server 2012 NTFS deduplication volume results in unusable files upon restore.
3480594	Distributed File System Replication (DFSR) data that is backed up from a Windows Server 2012 NTFS deduplication volume results in unusable files upon restore.
3481271	A master server disappears out of the ALL MASTER SERVERS view and the name that is displayed in the ALL MASTER SERVERS view changes from the friendly name to the network name of the master because the view_node.entityid values keep changing.
3482013	The performance of Accelerator backups can be negatively affected when using OpenStorage disk storage when a flag is passed incorrectly to the NetBackup operation.
3484916	File descriptor management problem within the NetBackup Job Manager (nbjm). Specifically, the problem is most likely to occur with Oracle client backup jobs.
3487431	With a Linux VMware backup host, bpbkar hangs or crashes.
3488412	An Exchange GRT browse fails with a Linux master server and mailboxes that contain non-English characters.
3490715	NetBackup takes too long to perform discovery on a vCloud Director environment.
3491827	Performance issue with a query that gets executed by changeMediaDBDeleteExpiredMedia when a very large number of rows are evaluated.
3494977	Multiple reports come back empty. The domain_DiskPool.history table is not populated.
3495292	Restore jobs take a long time to move from the Queued state to the Active state when restoring millions of files.
3496836	Job fails randomly with status code 235 when NetBackup Access Control (NBAC) is enabled.
3496848	In some cases, active backups display "0 Kbytes per sec" in the Activity Monitor even when the backups are running.
3496977	A differential incremental catalog backup on a Windows master server leaves a bpbkar32.exe process looping, using 100% CPU time.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3497028	Due to some issues of passing through the media server name, the buffer gets corrupted.
3498750	After an upgrade to NetBackup Appliance 2.5.4, Fibre Transport services do not run.
3499632	An SQL database restore fails if the database name contains any of the following special characters: {}[]*?
3500731	Attempts to do a single file restore of a Hyper-V backup fail.
3501226	The NetBackup Policy Execution Manager (nbpem) encounters a core dump issue when calculating the next run time for calendar schedules with exclude dates in the past and future.
3501389	A restore of optimized NTFS deduplicated data can sometimes hang.
3503231	For a point-in-time (PIT) recovery of a Linux client, BMR should pull the mke2fs.conf file from the respective PIT time backup image.
3503403	A defect in the VMware VDDK logs clear text vCenter credentials with SAN transport in certain circumstances.
3507697, version 1	If either the db\images directory or the db\images\client_name directory is a symbolic link on Windows, then bpbkar32.exe hangs during a catalog backup.
3508463	When you run the bpcatarc -remove_dotf command and an archived client has more than one image, the command crashes.
3509232, version 1	Upgrade beyond NetBackup 7.5.0.6 fails without true image restore (TIR) pruning and image hold fixes.
3510536	Inability to configure or use the Targeted Auto Image Replication feature with third-party plug-ins.
3510907	OpsCenter Agent Details for a traditional license data setup does not accept passwords longer than 30 characters.
3511373	A 22 terabyte (TB) vmdk file causes a backup failure and results in NetBackup error 6.
3513195	Accelerator backups can fail if the job has a bpstart_notify script that takes longer than one hour to complete and subsequent jobs have been started.
3518477	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3519000	The SYMCquiesce utility installer is not compliant with standard packaging tools for rollouts.
3519188	A full virtual machine restore from an incremental backup with some independent disk fails on a Solaris SPARC master server.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3519486	The nbholdutil command-line utility fails when it is used to put a hold on a large number of images (about 100,000).
3519512	The nbholdutil command-line utility causes the environment to hang when putting images on hold whose fragments span multiple media.
3523242	Some jobs are missing during job data collection.
3524872	The Exclude Disk functionality does not work when backing up EFI-enabled virtual machines.
3526998	A calendar scheduling bug where the exclude dates in the past cause the NetBackup Policy Execution Manager (nbpem) to go down.
3528350	Backups do not proceed and remain in a queued state when the NetBackup Enterprise Media Manager (nbemm) process encounters a performance problem with one specific query when it accesses a DBM_ImageFragment table that contains millions of records.
3529141	The SYMCquiesce utility installer is not compliant with standard packaging tools for rollouts.
3535289	If you specify an incorrect Oracle Recovery Manager (RMAN) script name or invalid path to the script in an Oracle policy for a Windows client, the backup completes with status code 1. Before NetBackup 7.6, the backup would complete with status code 29.
3538035	With a Linux VMware backup host, bpbkar hangs or crashes.
3545665	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3565482	The nbstserv service does not correctly process imported image copies. As a result, import requests for the same image can be persistently submitted, resulting in import jobs failing with a 226 status.
3570647	The nbstserv service does not correctly process imported image copies. As a result, import requests for the same image can be persistently submitted, resulting in import jobs failing with a 226 status.
3588208, version 1	NetBackup nbproxy processes sometimes remain running.
3612347	In the VMware Restore Wizard, the following error occurs and prevents the restore from continuing: "Retrieving details of resource pools - Failed system call failed (11)".
3623243	A prepare-to-restore process (bmrprep command) fails if you are using a Bare Metal Restore (BMR) configuration that was generated after 7 September 2014.
3623300	A prepare-to-restore process (bmrprep command) fails if you are using a Bare Metal Restore (BMR) configuration that was generated after 7 September 2014.

Table 4-1 NetBackup 7.6.1 EEB listing (*continued*)

Etrack Number	EEB Description
3624717	A prepare-to-restore process (bmrprep command) fails if you are using a Bare Metal Restore (BMR) configuration that was generated after 7 September 2014.
3624718	A prepare-to-restore process (bmrprep command) fails if you are using a Bare Metal Restore (BMR) configuration that was generated after 7 September 2014.
3624719	A prepare-to-restore process (bmrprep command) fails if you are using a Bare Metal Restore (BMR) configuration that was generated after 7 September 2014.
3626520, version 1	In the Backup, Archive and Restore (BAR) interface under NetBackup History, clicking on an archive image does not return a message that indicates that the image has been archived.
3639720	The Microsoft Exchange 2007 system file (Enn.chk) is not backed up if it is not on the same volume as the transaction log files. This issue causes the database mount to fail after a restore operation.
3644820	A prepare-to-restore process (bmrprep command) fails if you are using a Bare Metal Restore (BMR) configuration that was generated after 7 September 2014.
3647927	NetBackup Agent for MS SharePoint issue.

NetBackup 7.6.1 release content listing

This topic contains a list of some of the known issues that were fixed and included in the NetBackup 7.6.1 release.

Etrack Incident: 1196738

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The NetBackup jobs database manager (`bpdbj obs`) printed dummy fields when it ran out of memory and it kept running.

Etrack Incident: 1285269

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
User-defined retentions used the singular form for the words days, weeks, months, and years (for example, day, week, month, year) instead of the plural form.

Etrack Incident: 1425335

- Associated Primary Etrack: 1422664
- Associated Service Request Etrack(s): 1422652
- Description:
The `bpstsinfo -comparedbandstu` command incorrectly piped output to `stderr` instead of `stdout`, as is the case with most NetBackup commands.

Etrack Incident: 1526434

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The output of the `bpcatlist` command did not preserve the space between the `year` portion of the date field and the `files` field if the latter's value exceeded 9,999,999.

Etrack Incident: 2128685

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
When a user expanded the point-in-time (PIT) config, the change option was enabled. However, clicking change did not do anything because it is not a valid option for the PIT config.

Etrack Incident: 2588239

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
When `vxdbms.conf` did not contain the connection string, the `nldb` log message was: `Cannot allocate connect string`. The `nldb` log message should have been: `Unable to get connect string from vxdbms.conf file`.

Etrack Incident: 2630830

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Under **NetBackup Management > Reports > Problems**, the **Type** column displayed the error code instead of the string. In addition, the error code was incorrect.

Etrack Incident: 2674308

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Media and Device Management > Media displayed the wrong Kilobytes (KB) value for tapes with more than 4 TB of data.

Etrack Incident: 2796266

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
When the `keep_logs` value was set higher than 24856, backup jobs then failed with status code 20 (`Invalid argument`).

Etrack Incident: 3053412

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The `nbftconfig -ds` command could fail when Fibre Transport (FT) services were not running, citing the presence of orphaned pipes. FT pipes (orphaned or not) are a construct of FT services. When FT services are not running, pipes should not exist, or prevent removal of the FT server.

Etrack Incident: 3100490

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Trying to delete the last server in the `ServerGroup` when there were media records assigned to the `ServerGroup` (using the `nbemmcmd -deletehost` command) resulted in the following error message: `EMM database error (196) Command did not complete successfully. The error message should have been the following: Cannot delete the last Server in the ServerGroup when there are media records assigned to this ServerGroup. In addition, the nbemmcmd -deletehost command was sometimes unable to delete a server from ServerGroup and would generate an incorrect error message in log that was similar to the following: is not a server group member.`

Etrack Incident: 3144844

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A
- Description:
Parent jobs for VMware policies with manually-selected clients did not run the `parent_end_notify` script when the job completed.

Etrack Incident: 3231686

- Associated Primary Etrack: 3230729
- Associated Service Request Etrack(s): 3230706
- Description:
Restores of an NDMP multiplex (MPX) backup would hang with the `NON_MPX_RESTORE` touch file in place.

Etrack Incident: 3235427

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The product name that was displayed on the NetBackup Administration Console for Windows (`nbconsole.exe`) did not match with the product ID of the license key added.

Etrack Incident: 3246815

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The NetBackup Administration Console for Windows was not able to handle carriage return code (^M) while specifying data in the backup selection for UNIX master servers. As the result, the backup job failed.

Etrack Incident: 3270421

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Copying a schedule from one policy to another policy that has the same schedule name resulted in overwriting the schedule without giving a warning message to the user.

Etrack Incident: 3287396

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A

- Description:
The Activity Monitor did not show the Fibre Channel transport type.

Etrack Incident: 3287865

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
If the installed NetBackup license was **NetBackup Server** and **OpenStorage Disk Option**, then the NetBackup Administration Console for Windows did not show **Disk Pool Configuration Wizard** in the detailed pane.

Etrack Incident: 3291562

- Associated Primary Etrack: 3259146
- Associated Service Request Etrack(s): 3259124
- Description:
If a logical volume management (LVM) disk has a master boot record (MBR) signature, then the backup fails with status codes 6 and 11. However, the error messages did not convey that the backup was unsuccessful due to a misconfiguration.

Etrack Incident: 3291972

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The catalog information had an incorrect modification time in the catalog that was created by a Lotus Notes type of policy. As a result, the Backup, Archive, and Restore (BAR) interface displayed an incorrect date and time in the **Time Modified** field.

Etrack Incident: 3292525

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Incorrect clients were displayed when selecting Bare Metal Restore (BMR) clients using the Remote Administration Console after switching to a different master server.

Etrack Incident: 3299433

- Associated Primary Etrack: 3293579

- Associated Service Request Etrack(s): 3293541
- Description:
When there was no attribute present in any MFT index, VxMS did not return the error for the particular index.

Etrack Incident: 3309086

- Associated Primary Etrack: 3293599
- Associated Service Request Etrack(s): 3306888
- Description:
Upgraded Microsoft Visual C++ 2010 run-time DLLs. The new version of Visual C++ was included to correct an issue with symbolic links on Windows platforms. For more information on the symbolic link issue, refer to the following article on the Microsoft Support website: <http://support.microsoft.com/kb/2889080>

Etrack Incident: 3328684

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
On a restore, the short name of the original folder was changed to the short name that the junction was pointing to.

Etrack Incident: 3357395

- Associated Primary Etrack: 3293599
- Associated Service Request Etrack(s): 3306888
- Description:
Upgraded Microsoft Visual C++ 2010 run-time DLLs. The new version of Visual C++ was included to correct an issue with symbolic links on Windows platforms. For more information on the symbolic link issue, refer to the following article on the Microsoft Support website: <http://support.microsoft.com/kb/2889080>

Etrack Incident: 3362403

- Associated Primary Etrack: 3261359
- Associated Service Request Etrack(s): 3261261
- Description:
When multiple simultaneous restores to a busy vCenter were performed, some restore jobs could fail due to discrepancies in vSphere information. The discrepancies were due to NetBackup's use of three different views to collect vSphere information. The vCenter updates that occurred in between the collection of information for different views would cause the discrepancies.

Etrack Incident: 3364079

- Associated Primary Etrack: 3364077
- Associated Service Request Etrack(s): 3363885
- Description:

During the NetBackup OpsCenter upgrade process, the disk space requirements that are displayed under **Installation Choice** and **Backup Location** did not match. This issue was caused by the **Available** space column displaying a value that was based on the OpsCenter required backup space calculations. The required space calculation should have been displayed in the **Required Space** column, leaving the available space column to match with the system.

Etrack Incident: 3369769

- Associated Primary Etrack: 3336082
- Associated Service Request Etrack(s): 3336058
- Description:

If Windows Server 2008 is upgraded from Windows Server 2003, then the `boot.ini` file may still be present. If the `boot.ini` file was present in Windows Server 2008, then NetBackup used it instead of Boot Configuration Data (BCD). As a result, NetBackup was unable to find the system root.

Etrack Incident: 3381345

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:

For certain configurations, the `nbdeployutil --report --traditional` command would fail and issue a message similar to the following: `Can't call method "storage_type" on an undefined value at PERL2EXE_STORAGE/Copy.pm line 56.`

Etrack Incident: 3381364

- Associated Primary Etrack: 3354308
- Associated Service Request Etrack(s): 3327463
- Description:

An Exchange backup continued even when a data file was not found on the snapshot. The backup should have failed. The situation could arise if insufficient space was configured for VSS snapshots.

Etrack Incident: 3388705

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A
- Description:
 Canceling the `Copy . . .` operation for SLP Windows caused the NetBackup Administration Console for Windows to crash, instead of canceling the operation.

Etrack Incident: 3401001

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 For a non-English locale, while creating or modifying the exclude dates of an SLP Window, the **Exclude Dates** tab got truncated. As a result, all the options in the **Exclude Dates** tab were not visible.

Etrack Incident: 3405957

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 The storage unit fragment size was not configured with default value of `1048576` when the **Reduce fragment size** check box was disabled.

Etrack Incident: 3406649

- Associated Primary Etrack: 3402176
- Associated Service Request Etrack(s): 3402139
- Description:
 If a system was configured with `CLUSTER_NAME` or `REQUIRED_INTERFACE` and `ANY_CLUSTER_INTERFACE`, but no `PREFERRED_NETWORK`, an upgrade would fail and all services would core dump.

Etrack Incident: 3414309

- Associated Primary Etrack: 3384760
- Associated Service Request Etrack(s): 3384228
- Description:
 The **Preview Media** function in the Backup, Archive, and Restore (BAR) interface displayed an error when the image was on disk.

Etrack Incident: 3420286

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A

- **Description:**
A core dump issue could occur when running the `bpplclients` command with no options when an Oracle policy was present that contains an instance group.

Etrack Incident: 3458933

- Associated Primary Etrack: 3393576
- Associated Service Request Etrack(s): 3392778
- **Description:**
Alerts were not received for failed VMware parent jobs in OpsCenter. This issue first appeared in NetBackup 7.5.0.6 for VMware policy type parent jobs.

Etrack Incident: 3462409

- Associated Primary Etrack: 3304528
- Associated Service Request Etrack(s): 3304397
- **Description:**
The `nbcatsync` utility did not update `DR_MEDIA_REC` properly when the disaster recovery site had the same name for the hostname and the storage server, but a different name for the disk pool name or the volume name.

Etrack Incident: 3482863

- Associated Primary Etrack: 3471880
- Associated Service Request Etrack(s): 3471863
- **Description:**
The command `bpstsinfo -deleteinfo` no longer worked with MSDP after upgrading to NetBackup 7.6.0.1. The command returned the following failure message: `one or more invalid arguments`. The command should have returned the following message: `no more entries`.

Etrack Incident: 3486883

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- **Description:**
If a parameter file (`.utl`) was missing or it was in an incorrect format, NetBackup did not send a valid message (return code) to SAP HANA. Therefore, SAP HANA was not returning the proper message in SAP HANA Studio.

Etrack Incident: 3491477

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A

- **Description:**
The `bpimagelist` command did not display the maximum retention for an image, as calculated from the image copies.

Etrack Incident: 3497484

- Associated Primary Etrack: 3482150
- Associated Service Request Etrack(s): 3482105
- **Description:**
NetBackup OpsCenter `dbdefrag` failed during the database unload phase with the following error: `SQL error: Deadlock detected.`

Etrack Incident: 3497485

- Associated Primary Etrack: 3399727
- Associated Service Request Etrack(s): 3398345
- **Description:**
An OpsCenter view did not sort the list of unassigned objects under the client view in alphabetical order.

Etrack Incident: 3500410

- Associated Primary Etrack: 3427838
- Associated Service Request Etrack(s): 3427786
- **Description:**
The `Buffer_Size` attribute under the **Host Properties** of a Windows client did not allow a value of 0.

Etrack Incident: 3500443

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- **Description:**
When creating a storage lifecycle policy (SLP) using the NetBackup-Java Administration Console, the Operation ID should have been set to `none specified` instead of 0.

Etrack Incident: 3500486

- Associated Primary Etrack: 3496090
- Associated Service Request Etrack(s): 3495522
- **Description:**

After image collection, additional collectors don't start on the OpsCenter server during the initial sync.

Etrack Incident: 3502105

- Associated Primary Etrack: 3452104
- Associated Service Request Etrack(s): 3452090
- Description:
If you ran catalog or database backups with short frequencies (typically a day or less) where the backup images are written to a storage lifecycle policy (SLP), you could encounter cases where the backup jobs would run more frequently than expected.

Etrack Incident: 3502333

- Associated Primary Etrack: 2617252
- Associated Service Request Etrack(s): 3501424
- Description:
An `nbdeployutil` traditional report listed `UNKNOWN` as the number of processor cores for most pre-7.5 clients.

Etrack Incident: 3504885

- Associated Primary Etrack: 3439176
- Associated Service Request Etrack(s): 3439135
- Description:
A bad parameter was passed to `bprd` during an alternate restore.

Etrack Incident: 3520444

- Associated Primary Etrack: 3511621
- Associated Service Request Etrack(s): 3511594
- Description:
NetBackup OpsCenter SSL signature algorithm issue.

Etrack Incident: 3527549

- Associated Primary Etrack: 3494143
- Associated Service Request Etrack(s): 3493986
- Description:
Multiple reports displayed IP addresses instead of client names for virtual machines.

Etrack Incident: 3527980

- Associated Primary Etrack: 3522318
- Associated Service Request Etrack(s): 3522162
- Description:
The `nbstlutil redo` function failed to reset the storage lifecycle policy (SLP) state of the indicated backup images, and associated SLP operations did not occur.

Etrack Incident: 3528600

- Associated Primary Etrack: 3500515
- Associated Service Request Etrack(s): 3500501
- Description:
NetBackup OpsCenter sent the `\n` character (new line) when it wrote trap messages in the log file. OpsCenter did not replace `\n` with white space when it sent an SNMP trap to the receivers, which could affect some SNMP trap receiving tools.

Etrack Incident: 3530380

- Associated Primary Etrack: 3513636
- Associated Service Request Etrack(s): 3513613
- Description:
The `bppllist` and `bpplinclude` binaries could not handle arbitrarily long include paths.

Etrack Incident: 3531722

- Associated Primary Etrack: 3520125
- Associated Service Request Etrack(s): 3520072
- Description:
Some virtual machines (VMs) did not get backed up when lots of discovery jobs ran together for one vCenter.

Etrack Incident: 3535806

- Associated Primary Etrack: 3535804
- Associated Service Request Etrack(s): 3535615
- Description:
Reports displayed the snapshot ID values in the **Job Directory** field.

Etrack Incident: 3645381

- Associated Primary Etrack: 3533094

- Associated Service Request Etrack(s): 3533076
- Description:
After NetBackup services were restarted on the master server, AdvancedDisk disk pools that were created on a Windows platform with a CIFS mount point were unavailable. When the services restarted, the disk pool was left in a permanent `DOWN` state.

NetBackup 7.6.0.4 EEB and release content listings

This chapter includes the following topics:

- [NetBackup 7.6.0.4 EEB listing](#)
- [NetBackup 7.6.0.4 release content listing](#)

NetBackup 7.6.0.4 EEB listing

[Table 5-1](#) contains a listing of known issues with NetBackup that were identified, fixed, and made available to customers in the form of an emergency engineering binary (EEB). NetBackup 7.6.0.4 resolves the issues that were fixed with each of these EEBs.

More information on the Etracks that are listed in this topic (and any other service request Etrack) can be found using the Symantec Operations Readiness Tools (SORT) website.

See [“About Symantec Operations Readiness Tools”](#) on page 203.

Table 5-1 NetBackup 7.6.0.4 EEB listing

Etrack Number	EEB Description
3190870	A one-time script was created to delete an NDMP host from the device configuration. The script will not be included in any other release vehicle.
3289459	MSSQL Transaction log backups with BATCHSIZE defined take too long to process.
3300031	NetBackup Bare Metal Restore issue.

Table 5-1 NetBackup 7.6.0.4 EEB listing (*continued*)

Etrack Number	EEB Description
3305636	A one-time script was created to address a specific condition where tapes cannot be expired due to unavailability of a media server. The script will not be included in any other release vehicle.
3320794	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3336475	Some clients are missing from the Client Summary Dashboard.
3339611	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3351599	The Virtual Client Summary report does not show the last backup time.
3358733	NBdecommision fails for NDMP volumes, as does bpmedia movedb -m media - oldserver oldmachinename -newserver newmachinename with the following error: "254 server name not found in the NetBackup configuration".
3370954	The Virtual Client Summary report does not show the last backup time.
**3379890	Random bpbkar core dump issues occur; most commonly stack is in VDDK when SIGSEGV or SIGABRT is raised. http://www.symantec.com/docs/TECH223790
3380282	Snapshot rotation can fail when duplications are in progress. This issue leads snapshot backups to fail with status code 228.
3393476	An SQL MOVE template containing a MOVE restore for both a full and a differential database backup fails on restoring the differential-incremental backup.
3396354	Writing a user backup type (database backups are user backups) to a write-once read many (WORM) tape using key management services (KMS) encryption fails with status code 83 (media open error).
3403160	Some clients are not listed under the 'Objects not in selected view' tab.
3411062	Some clients are not listed under the 'Objects not in selected view' tab.
3411120	Some clients are not listed in 'Objects not in selected view' tab.
3419509	An OpsCenter report has the same number of rows in the interface and in the CSV export, but the exported values are different.
3423957	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3428079	The Client Summary Dashboard shows duplicate clients.

Table 5-1 NetBackup 7.6.0.4 EEB listing (*continued*)

Etrack Number	EEB Description
3428787	A one-time script was created to address a specific condition to purge the stale entries of a cloud account. The script will not be included in any other release vehicle.
3436394	Restoring or browsing granular Exchange backups fails due to slow response to catalog query for a list of backed up files in an image.
3439255	VMware virtual machine annotation custom attributes are not restored during full VM restore.
3444131	Data collection hangs when collecting job data.
3465142	NetBackup Agent for MS SQL Server issue.
3469113	NetBackup OpsCenter issue.
3484578	NetBackup OpsCenter issue.
3486900	NetBackup OpsCenter issue.
**3487431	With a Linux VMware backup host, bpbkar hangs or crashes. http://www.symantec.com/docs/TECH223790
3492553	NetBackup Bare Metal Restore issue.
3504841	NetBackup Windows User Interface issue.
3509232, version 2	NetBackup Catalog issue.
3518680	VMware virtual machine annotation custom attributes are not restored during full VM restore.
3519061	Data collection hangs when collecting job data. Historical image data collection keeps running during initial sync.
3526622	After an import, the "number of files" counter in a backup image displays different values for the source and the target master servers.
3537763	NetBackup Bare Metal Restore issue.
**3538035	With a Linux VMware backup host, bpbkar hangs or crashes. http://www.symantec.com/docs/TECH223790
**3538055	NetBackup Agent for MS SharePoint issue. http://www.symantec.com/docs/TECH222895
3538646	NetBackup Fibre Transport issue.
3540779	NetBackup OpsCenter issue.

Table 5-1 NetBackup 7.6.0.4 EEB listing (*continued*)

Etrack Number	EEB Description
3541260	NetBackup OpsCenter issue.
3547061	NetBackup Deployment Reporting Utilities issue.
3555635	NetBackup Vault issue.
3558411	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3559744	NetBackup Agent for MS SQL Server issue.
**3565482	<p>The nbstserv service does not correctly process imported image copies. As a result, import requests for the same image can be persistently submitted, resulting in import jobs failing with a 226 status.</p> <p>http://www.symantec.com/docs/TECH223243</p>
**3570647	<p>The nbstserv service does not correctly process imported image copies. As a result, import requests for the same image can be persistently submitted, resulting in import jobs failing with a 226 status.</p> <p>http://www.symantec.com/docs/TECH223243</p>
3574757	NetBackup OpsCenter issue.
3575592	NetBackup Agent for Windows Client issue.
3579595	NetBackup Storage Lifecycle Policies issue.
3583667	VMware virtual machine annotation custom attributes are not restored during full VM restore.
3584557	NetBackup OpsCenter issue.
3594763	NetBackup Data Mover issue.
3595405	Writing a user backup type (database backups are user backups) to a write-once read many (WORM) tape using key management services (KMS) encryption fails with status code 83 (media open error).
3595469	After restoring a virtual machine with annotations, the annotations themselves are restored but the values are not.
3596017	NetBackup Bare Metal Restore issue.
3597815	NetBackup Agent for MS SQL Server issue.
3597976	NetBackup Bare Metal Restore issue.

Table 5-1 NetBackup 7.6.0.4 EEB listing (*continued*)

Etrack Number	EEB Description
**3599373	NetBackup Agent for MS SharePoint issue. http://www.symantec.com/docs/TECH222895
3600057	NetBackup Fibre Transport issue.
3607036	NetBackup Storage Lifecycle Policies issue.
3612347	In the VMware Restore Wizard, the following error occurs and prevents the restore from continuing: "Retrieving details of resource pools - Failed system call failed (11)".
**3617109	If BIOS UUIDs are not unique, then the results of VMware Intelligent Policy (VIP) queries filtering on custom attributes may be unpredictable. http://www.symantec.com/docs/TECH222619
**3623243	NetBackup Bare Metal Restore issue. http://www.symantec.com/docs/TECH224758
**3623300	NetBackup Bare Metal Restore issue. http://www.symantec.com/docs/TECH224758
3623965	NetBackup Deployment Reporting Utilities issue.
**3624717	NetBackup Bare Metal Restore issue. http://www.symantec.com/docs/TECH224758
**3624718	NetBackup Bare Metal Restore issue. http://www.symantec.com/docs/TECH224758
**3624719	NetBackup Bare Metal Restore issue. http://www.symantec.com/docs/TECH224758
3627604	NetBackup Windows User Interface issue.
3628881	NetBackup OpsCenter issue.
**3629324	A Linux virtual machine (VM) that is configured with a logical volume manager (LVM) volume that has a name that starts with a number causes the VM backups to fail. http://www.symantec.com/docs/TECH223950
3633415	NetBackup Agent for Windows Client issue.
**3639720	NetBackup Agent for MS Exchange issue. http://www.symantec.com/docs/TECH224056

Table 5-1 NetBackup 7.6.0.4 EEB listing (*continued*)

Etrack Number	EEB Description
3643118	NetBackup Data Mover issue.

NetBackup 7.6.0.4 release content listing

This topic contains a list of some of the known issues that were fixed and included in the NetBackup 7.6.0.4 release.

Etrack Incident: 3471656

- Associated Primary Etrack: 3427990
- Associated Service Request Etrack(s): 3427964
- Description:
If the Japanese language pack was installed, the Collect And Upload Log wizard failed with the following message: `Could not copy as logs collection failed.`

Etrack Incident: 3491132

- Associated Primary Etrack: 3406756
- Associated Service Request Etrack(s): 3406714
- Description:
If antivirus software was installed or the backup was made from a network share, the operation could slow down significantly.

Etrack Incident: 3512063

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The following error occurred while updating the OpsCenter Agent on a Solaris 10 SPARC local zone: `CPI ERROR V-9-2-1029 Installation on or from local zones is not supported.`

Etrack Incident: 3526785

- Associated Primary Etrack: 3520044
- Associated Service Request Etrack(s): 3519907
- Description:

When a client alias was added to the original client, NetBackup created a file system directory with the name of the client alias at `/netbackup/db/image`. On a UNIX platform, this folder is a symbolic link to the real client directory. On Windows, NetBackup created an `ALTPATH` file that contained the path to the real client directory. When the client alias was removed, the file system directory did not get deleted. When the real client was removed (catalog cleanup), the symbolic links directory (on Linux) became a dead symbolic link. This issue caused two problems: 1. The catalog backup failed with status code 1; and 2. the already-used client alias name could not be reused even though it is removed.

Etrack Incident: 3527381

- Associated Primary Etrack: 3511082
- Associated Service Request Etrack(s): 3509188
- Description:
Under **Client Properties > Access Control** in the NetBackup-Java Administration Console, selecting **Automatic** and then **Apply** resulted in the following error: **Invalid Entry: Enter host for authorization service**. As a result, entries in `bp.conf` for a Linux client were not added for `AUTHENTICATION DOMAIN`. Note, this issue never affected the NetBackup Administration Console for Windows.

Etrack Incident: 3532996

- Associated Primary Etrack: 3525123
- Associated Service Request Etrack(s): 3524940
- Description:
NetBackup Accelerator encountered a file with a newline (`\n`) character in the name that lead to a backup failure on the subsequent accelerated backup.

Etrack Incident: 3534380

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
True image restore (TIR) pruning logic returned a large number of deleted images that were not valid for pruning.

Etrack Incident: 3534685

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:

The user-specified **Read rate** field in the policy dialog box for an Oracle Intelligent Policy (OIP) under **Oracle > Maximum I/O Limits** was incorrectly labeled as **Kblocks/Sec** instead of **Kilobytes/sec**.

Etrack Incident: 3543886

- Associated Primary Etrack: 3492070
- Associated Service Request Etrack(s): 3490741
- Description:
The Mongoose server that was used for core web service crashed upon receiving a `PUT` request with invalid content length.

Etrack Incident: 3550620

- Associated Primary Etrack: 3535804
- Associated Service Request Etrack(s): 3535615
- Description:
Monitor > Jobs > File List did not show the same file list that the Activity Monitor was showing.

Etrack Incident: 3551025

- Associated Primary Etrack: 3549507
- Associated Service Request Etrack(s): 3549053
- Description:
A single file restore from NetBackup OpsCenter did not restore a file if the file size was greater than 1 GB.

Etrack Incident: 3553489

- Associated Primary Etrack: 3551519
- Associated Service Request Etrack(s): 3551500
- Description:
During a mapped backup, volumes in a Linux virtual machine (VM) resolved with the wrong path.

Etrack Incident: 3553995

- Associated Primary Etrack: 3554622
- Associated Service Request Etrack(s): 3568693
- Description:
Incorrect cached authorization results were returned due to an incorrect key being used for `cacheLookup`.

Etrack Incident: 3555341

- Associated Primary Etrack: 3552683
- Associated Service Request Etrack(s): 3551750
- Description:
The Windows Event Log did not work as documented.

Etrack Incident: 3563136

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The user-specified **Read rate** field in the policy dialog box for an Oracle Intelligent Policy (OIP) under **Oracle > Maximum I/O Limits** was incorrectly labeled as **Kblocks/Sec** instead of **Kilobytes/sec**.

Etrack Incident: 3566760

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
An instant recovery (IR) for VMware failed with status code 5 if the host name of media server included the word `backups`.

Etrack Incident: 3568321

- Associated Primary Etrack: 3563163
- Associated Service Request Etrack(s): 3562267
- Description:
The report view for **Images On Tape** and **Images On Disk** reports showed incorrect **On Hold** status information of the backup images.

Etrack Incident: 3568332

- Associated Primary Etrack: 3508611
- Associated Service Request Etrack(s): 3508228
- Description:
A FlashBackup-Windows policy that was created to take full virtual machine backups (VMware, Hyper-V) did not correctly get converted into a VMware or Hyper-V policy. If you tried to convert such a policy to a VMware or Hyper-V policy and tried to run the backup, the backup failed. During the conversion, the policy lost the backup selection and there was no way to add the backup selection, resulting in an unusable policy.

Etrack Incident: 3568353

- Associated Primary Etrack: 3549507
- Associated Service Request Etrack(s): 3549053
- Description:
Restores initiated with OpsCenter Simplified File Restore (SFR) did not correctly restore files larger than 1 GB.

Etrack Incident: 3569937

- Associated Primary Etrack: 3555165
- Associated Service Request Etrack(s): 3555147
- Description:
If a disk had **Microsoft basic data** or **Linux filesystem data** set for an LVM partition, NetBackup did not take a backup of that partition.

Etrack Incident: 3584230

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Strings in some drop-down lists were not correctly localized.

Etrack Incident: 3584611

- Associated Primary Etrack: 3562875
- Associated Service Request Etrack(s): 3562282
- Description:
The **Images On Tape** and **Images On Disk** reports did not display information in the **On Hold** and **Indexing** columns if the images were indexed and kept on hold.

Etrack Incident: 3585496

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Strings in some drop-down lists were not correctly localized.

Etrack Incident: 3585658

- Associated Primary Etrack: 3571768
- Associated Service Request Etrack(s): 3571687

- **Description:**
A segmentation fault occurred when adding a service pack or Linux update using the `Modify an existing Shared Resource Tree(SRT) option of bmrstadm` command.

Etrack Incident: 3589235

- Associated Primary Etrack: 3575855
- Associated Service Request Etrack(s): 3575458
- **Description:**
The wrong status was displayed when there were multiple versions of a policy. This issue was due to an issue with the `PolicyActive` flag.

Etrack Incident: 3594098

- Associated Primary Etrack: 3582494
- Associated Service Request Etrack(s): 3582058
- **Description:**
A manual duplication job using the NetBackup-Java Administration Console failed with status code 144 (`invalid command usage`). The issue occurred when a duplication was performed through the **Catalog** portion of the console if the image resided on MSDP and you specified down to the specific disk pool.

Etrack Incident: 3602647

- Associated Primary Etrack: 3558990
- Associated Service Request Etrack(s): 3558987
- **Description:**
Several sockets stayed in the `CLOSE_WAIT` and `FIN_WAIT_2` state during a synthetic backup.

Etrack Incident: 3605341

- Associated Primary Etrack: 3567958
- Associated Service Request Etrack(s): 3567235
- **Description:**
The OpsCenter Policy & Schedule data collector returned the following error:
`Data collection has failed because of unknown reason.`

Etrack Incident: 3605667

- Associated Primary Etrack: 3567801
- Associated Service Request Etrack(s): 3567659
- **Description:**

After a successful full OS restore of a Windows client, the device parameter of the Windows Boot Manager and Windows Memory Manager were set to `unknown`.

Etrack Incident: 3606219

- Associated Primary Etrack: 3597407
- Associated Service Request Etrack(s): 3597381
- Description:
Performance Reports > Disk Usage failed to execute the stored procedure `getDiskUsage`.

Etrack Incident: 3617375

- Associated Primary Etrack: 3614104
- Associated Service Request Etrack(s): 3614083
- Description:
When you used BRTOOLS to back up SAP, the `bprd` process encountered a core dump issue when the optional **SAP_POLICY** variable was not set in the `.utl` file.

Etrack Incident: 3620448

- Associated Primary Etrack: 3554728
- Associated Service Request Etrack(s): 3554187
- Description:
The Drive Utilization report did not display information for encrypted backups.

Etrack Incident: 3621201

- Associated Primary Etrack: 3612570
- Associated Service Request Etrack(s): 3612565
- Description:
True Image Restoration (TIR) with move detection may result in the unnecessary backup of some files during subsequent incremental backups. The subsequent incremental backups could have a larger size even if there were fewer changes made to the actual data.

Etrack Incident: 3628071

- Associated Primary Etrack: 3608379
- Associated Service Request Etrack(s): 3608374
- Description:
Storage lifecycle policy (SLP) name filters could not be used in SLP Backlog reports.

Etrack Incident: 3634594

- Associated Primary Etrack: 3584681
- Associated Service Request Etrack(s): 3584241
- Description:
When selecting a **Storage unit** under **Change Policies > Schedules > Attributes > Configure Multiple Copies**, the **Any available** option was not shown. This issue occurred in the NetBackup-Java Administration Console for the following policy types: FlashBackup - Windows, VMware, and Hyper-V.

Etrack Incident: 3635210

- Associated Primary Etrack: 3603549
- Associated Service Request Etrack(s): 3603537
- Description:
No Parent Table was found, resulting in the following error: Failed to find the parent table, for exception: SQL Anywhere Error -194:.

Etrack Incident: 3636512

- Associated Primary Etrack: 3632253
- Associated Service Request Etrack(s): 3632250
- Description:
The `dbbackup -v` command failed with the following error: database is in recovery mode.

Etrack Incident: 3641268

- Associated Primary Etrack: 3623188
- Associated Service Request Etrack(s): 3623187
- Description:
Sometimes a request by the NetBackup Storage Lifecycle Manager service (`nbstserv`) to expire a copy could take long time (minutes) and delay storage lifecycle policy (SLP) processing.

NetBackup 7.6.0.3 EEB and release content listings

This chapter includes the following topics:

- [NetBackup 7.6.0.3 EEB listing](#)
- [NetBackup 7.6.0.3 release content listing](#)

NetBackup 7.6.0.3 EEB listing

[Table 6-1](#) contains a listing of known issues with NetBackup that were identified, fixed, and made available to customers in the form of an emergency engineering binary (EEB). NetBackup 7.6.0.3 resolves the issues that were fixed with each of these EEBs.

More information on the Etracks that are listed in this topic (and any other service request Etrack) can be found using the Symantec Operations Readiness Tools (SORT) website.

See [“About Symantec Operations Readiness Tools”](#) on page 203.

Table 6-1 NetBackup 7.6.0.3 EEB listing

Etrack Number	EEB Description
2656876	The NetBackup Agent Monitor script times out on cluster. That causes NetBackup to restart/fail over even though NetBackup services are running fine.
2793427	The bpbkar32.exe program crashes doing a SharePoint backup.
2829356	A one-time script was created to address an issue with removing image fragments. The script is not included in any other release vehicle.

Table 6-1 NetBackup 7.6.0.3 EEB listing (*continued*)

Etrack Number	EEB Description
2961469	A one-time script was created to address an improperly decommissioned media server. The script is not included in any other release vehicle.
2986057	The NetBackup Agent Monitor script times out and NetBackup restarts even though NetBackup is running fine.
3006284	A one-time script was created to address an issue using drive name rules in a cluster. The script will not be included in any other release vehicle.
3017645	During a SharePoint backup with NetBackup 7.5.0.4, the bpbkar.exe program encounters a core dump issue with an "Access violation".
**3028881	Restores of the databases that have curly braces can fail. http://www.symantec.com/docs/TECH217094
3029484	A one-time script was created to fully remove a media server by the nbdecommission tool - Exit status 20. The script will not be included in any other release vehicle.
3069430	A Backup of an Enterprise Vault (EV) directory database fails with status code 72.
3093192	If the connection is blocked between the NetBackup Job Manager (nbjm) and the NetBackup client service (bpcd), the subsequent database backup job for that client fails due to unavailability of free bpcd connection.
3093404	A one-time script was created to address an issue using drive name rules in a cluster. The script will not be included in any other release vehicle.
3123236	A Backup of an Enterprise Vault (EV) directory database fails with status code 72.
3127151	Cluster restart or failover is triggered if the script monitoring the NetBackup Database Manager (bpdbm) fails to respond within the monitor timeout.
3207282	A one-time script was created to remove a reference to a decommissioned media server in the database. The script will not be included in any other release vehicle.
3224295	A one-time script was created to remove entries from the "DBM_DRMedia" table in order to remove the "foreign media server" entry from the database. The script will not be included in any other release vehicle.
3237306	A condition can occur where the end time variable is not populated, which causes the kilobytes per second value to become negative.
3241035	A one-time script was created to address the media server deletion failure with the nbdecommission utility. The script will not be included in any other release vehicle.

Table 6-1 NetBackup 7.6.0.3 EEB listing (*continued*)

Etrack Number	EEB Description
3244968	A differential incremental backup from an Enterprise Vault policy type does not clear archive bits.
3254621	A one-time script was created to address an issue with decommissioning media servers. The script will not be included in any other release vehicle.
3266365	The Backup, Archive, and Restore Java interface hangs when a non-administrator user performs a login.
3268422	A one-time script was created to decommission two media servers that still appear in the EMM Database with references to backups from 2012. The script will not be included in any other release vehicle.
3280482	A one-time script was created to address a specific condition where the replication host cannot be deleted using the nbemmcmd command. The script will not be included in any other release vehicle.
3285533	A Backup of an Enterprise Vault (EV) directory database fails with status code 72.
3286233	Some jobs are missing during job data collection.
3297435	Fix to avoid application job failure by releasing the connection instead of blocking it, if for some reason the NetBackup Job Manager (nbjm) can not get a response from Client Daemon (bpcd) within specific timeframe.
3298566	NetBackup OpsCenter does not show some of the jobs that are seen in the Activity Monitor.
3298572	NetBackup OpsCenter does not show some of the jobs that are seen in the Activity Monitor.
3304446	After partial catalog recovery, the backup policies that refer to storage lifecycle policies (SLPs) cannot be modified or disabled at the command line.
3305820	Accumulating bpcd and bpcIntcmd processes can consume 100% of CPU time, rendering an SQL client unresponsive.
3315960	NetBackup Communication Protocol issue.
3327888, version 1	Image data collection fails due to an OBJECT_NOT_EXIST exception.
3332489	Cannot decommission a particular media server through a command.
3337097	A one-time script was created to decommission a media server that has contents stuck in 'DBM_MAIN' and 'DBM_DRMedia'. The script will not be included in any other release vehicle.
3342502	Accumulating bpcd and bpcIntcmd processes can consume 100% of CPU time, rendering an SQL client unresponsive.

Table 6-1 NetBackup 7.6.0.3 EEB listing (*continued*)

Etrack Number	EEB Description
3345284	A differential incremental backup of Enterprise Vault partitions from an Enterprise Vault policy type does not clear archive bits.
3345579	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3353679	Unable to restore from the NetBackup-Java Administration Console. The following error is returned: "invalid date specified".
3367874	Gap in a Disk Pool Size vs. Percentage Full report.
3381075	Accumulating bpcd and bpcntcmd processes can consume 100% of CPU time, rendering an SQL client unresponsive.
3381348	In some cases, the snapshot can be deleted while the backup is still running, which can cause errors.
3385006	A one-time script was created to address an issue where a media server could not be decommissioned by the nbdecommission utility. The script will not be included in any other release vehicle.
3386944	Restricted test binaries for new MSDP functionality.
3396909	The NetBackup Job Manager (nbjm) is not able to clean up the connection with the NetBackup client service (bpcd) and the associated file descriptors, resulting in file descriptor starvation.
3398044	NetBackup Storage Lifecycle Policies issue.
3402093	When a large amount of data needs to be compacted, the disk may become 100% full during a backup job due to a miscalculation of available space.
3405297	A FlashBackup of the E drive fails on the server while a normal backup is fine. The NetBackup Backup-and-Archive Manager (bpbkar) crashes at the start of the mapping phase.
3409141	The NetBackup Job Daemon (bpjobd) experiences a core dump issue on busy systems.
3409704	NetBackup Catalog issue.
3409934	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3416462	For Accelerator-enabled backups, NetBackup indicates an erroneous type for image type on a backup.
3419072	NetBackup Bare Metal Restore issue.
3425253, version 2	Bundle of fixes for the NetBackup Job Daemon (bpjobd).

Table 6-1 NetBackup 7.6.0.3 EEB listing (*continued*)

Etrack Number	EEB Description
3425345	Retrieving a client alias fails due to a missing entry for the client name in NetBackup's client-alias table.
3430843	NetBackup Search issue.
3430904, version 1	After an upgrade to version 7.5, NetBackup makes no progress performing storage lifecycle policy image migration.
3432735	NDMP backups have a zero value for kilobytes (KB) written.
3433335, version 2	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3433708	The "bpdbm -alive_local" command takes longer to respond when the NetBackup Database Manager (bpdbm) is under load, causing it to time out.
3439135	Restores of virtual machines with LSI SAS controllers fail or go to the wrong location.
3439314	The NetBackup Job Manager (nbjm) crashes when long delays in the NetBackup Resource Broker (nbrb) occurred due to a very busy system.
3439767	A SharePoint granular backup fails with a crash of the bpfis process.
3440376	The performance of Accelerator backups can be negatively affected when using OpenStorage disk storage when a flag is passed incorrectly to the NetBackup operation.
3446419	If the client name starts with a digit, then Bare Metal Restore (BMR) fails to update the task status from the WAITING state to a COMPLETED state even after the restore is successful.
3450726	Replications appear to hang in the QUEUED state as reported by the get job status in the pdplugin.log.
3452064	When a Linux master server and a Windows VMware backup host are used, the VMware state files that are stored on the master server are not removed.
3453203	Differential Incremental backups continue to grow in size.
3454772, version 1	NetBackup Search issue.
3456893	NetBackup Resource Management issue.
3457548	A one-time script was created to address a specific condition where the nbdecommission utility was not able to decommission a media server that was not in use. The script will not be included in any other release vehicle.
3460600	When the virtual machine (VM) XML data size exceeds 256KB, a full VM restore fails.
3462103	The NetBackup Database Manager (bpdbm) process exhibits high CPU and memory usage during NDMP backups.

Table 6-1 NetBackup 7.6.0.3 EEB listing (*continued*)

Etrack Number	EEB Description
3467593	With some OS and locale combinations, a GRT browse fails for a non-English mailbox name.
3468687	NetBackup Communication Protocol issue.
3471780	A core dump issue occurs when the -remove_dotf option of bpcatarc is used.
**3473902	Distributed File System Replication (DFSR) data that is backed up from a Windows Server 2012 NTFS deduplication volume results in unusable files upon restore. http://www.symantec.com/docs/TECH216367
3480049	Replication Director for VMware does not capture the size of the client correctly in the NetBackup Deployment Utility (nbdeployutil) Capacity Report.
**3480592	Distributed File System Replication (DFSR) data that is backed up from Windows Server 2012 NTFS deduplication volume results in unusable files upon restore. http://www.symantec.com/docs/TECH216367
**3480594	Distributed File System Replication (DFSR) data that is backed up from a Windows Server 2012 NTFS deduplication volume results in unusable files upon restore. http://www.symantec.com/docs/TECH216367
3481271	A master server disappears out of the ALL MASTER SERVERS view and the name that is displayed in the ALL MASTER SERVERS view changes from the friendly name to the network name of the master because the view_node.entityid values keep changing.
3482013	The performance of Accelerator backups can be negatively affected when using OpenStorage disk storage when a flag is passed incorrectly to the NetBackup operation.
3488412	An Exchange GRT browse fails with a Linux master server and mailboxes that contain non-English characters.
3490715	NetBackup takes too long to perform discovery on a vCloud Director environment.
3494977	Multiple reports come back empty. The domain_DiskPool.history table is not populated.
3496836	NetBackup Communication Protocol issue.
3496848	In some cases, active backups display "0 Kbytes per sec" in the Activity Monitor even when the backups are running.
3496977	NetBackup Catalog issue.
3497028	NetBackup Resource Management issue.

Table 6-1 NetBackup 7.6.0.3 EEB listing (*continued*)

Etrack Number	EEB Description
3499053	A FlashBackup job for a Windows Server 2008 R2 client fails with status code 13. This issue is the result of a core dump issue with the NetBackup Backup-and-Archive Manager (bpbkar) due to an incorrect memory allocation.
**3499632	An SQL database restore fails if the database name contains any of the following special characters: {}[]*? http://www.symantec.com/docs/TECH217094
3500731	Attempts to do a single file restore of a Hyper-V backup fail.
3501226	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3501389	A restore of optimized NTFS deduplicated data can sometimes hang.
3503231	NetBackup Bare Metal Restore issue.
3503403	A defect in the VMware VDDK logs clear text vCenter credentials with SAN transport in certain circumstances.
3507697, version 1	NetBackup Catalog issue.
3508463	NetBackup Catalog issue.
3510536	Inability to configure or use the Targeted Auto Image Replication feature with third-party plug-ins.
3510907	OpsCenter Agent Details for a traditional license data setup does not accept passwords longer than 30 characters.
3511373	A 22 terabyte (TB) vmdk file causes a backup failure and results in NetBackup error 6.
3513195	Accelerator backups can fail if the job has a bpstart_notify script that takes longer than one hour to complete and subsequent jobs have been started.
3518477	NetBackup Resource Management issue.
3519000	The SYMCquiesce utility installer is not compliant with standard packaging tools for rollouts.
**3519188	A full virtual machine restore from an incremental backup with some independent disk fails on a Solaris SPARC master server. http://www.symantec.com/docs/TECH222715
3519486	NetBackup Search issue.
3519512	NetBackup Search issue.
3523242	Some jobs are missing during job data collection.

Table 6-1 NetBackup 7.6.0.3 EEB listing (*continued*)

Etrack Number	EEB Description
3524778	An Exchange 2013 restore to recovery database (RDB) fails when the RDB is on a mailbox server that has both passive and active database copies, and the backup was made from a passive copy.
3524872	The Exclude Disk functionality does not work when backing up EFI-enabled virtual machines.
3526998	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3529141	The SYMCquiesce utility installer is not compliant with standard packaging tools for rollouts.
3535289	NetBackup Agent for Oracle issue.
3545665	NetBackup Relational Database issue.

NetBackup 7.6.0.3 release content listing

This topic contains a list of some of the known issues that were fixed and included in the NetBackup 7.6.0.3 release.

Etrack Incident: 2795782

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 - Added a `Maximum Expiration Time` to `bpimagelist -L` output. This field contains the latest expiration time of any copies for the image.

Etrack Incident: 3387680

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 - Creating an SLP with the NetBackup-Java Administration Console set the `Operation ID` to 0 instead of `(none specified)`.

Etrack Incident: 3408813

- Associated Primary Etrack: 3399727
- Associated Service Request Etrack(s): 3398345
- Description:

An OpsCenter view did not sort the list of unassigned objects under the client view in alphabetical order.

Etrack Incident: 3447707

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 If a parameter file (.utl) was missing or it was in an incorrect format, NetBackup would not give a valid message (return code) to SAP HANA. As a result, SAP HANA did not return the proper message in SAP HANA studio.

Etrack Incident: 3456337

- Associated Primary Etrack: 3428041
- Associated Service Request Etrack(s): 3427792
- Description:
 The `Buffer_Size` caused exchange backups to fail if the buffer size was set to 2. Previous releases of the NetBackup Administration Console did not let you change this setting.

Etrack Incident: 3462407

- Associated Primary Etrack: 3304528
- Associated Service Request Etrack(s): 3304397
- Description:
 The `nbcatsync` utility did not update `DR_MEDIA_REC` properly when the disaster recovery site had the same name for the hostname and the storage server, but a different name for the disk pool name or the volume name.

Etrack Incident: 3463945

- Associated Primary Etrack: 3427838
- Associated Service Request Etrack(s): 3427786
- Description:
 The NetBackup-Java Administration Console reset Windows clients' `Buffer_Size` from 0 to 2 when reviewing host properties.

Etrack Incident: 3466040

- Associated Primary Etrack: 3439176
- Associated Service Request Etrack(s): 3439135
- Description:
 A bad parameter was passed to `bprd` during an alternate restore.

Etrack Incident: 3483005

- Associated Primary Etrack: 3471880
- Associated Service Request Etrack(s): 3471863
- Description:
The `bpstsinfo -deleteinfo` command no longer worked with MSDP and upgrade to NetBackup 7.6.0.1. The command returned the message `one or more invalid arguments`, which is a failure. The command should have returned the following message: `no more entries`.

Etrack Incident: 3487390

- Associated Primary Etrack: 3482150
- Associated Service Request Etrack(s): 3482105
- Description:
NetBackup OpsCenter `dbdefrag` failed during the database unload phase with the following error: `SQL error: Deadlock detected`.

Etrack Incident: 3498249

- Associated Primary Etrack: 3496090
- Associated Service Request Etrack(s): 3495522
- Description:
After image collection, additional collectors don't start on the OpsCenter server during the initial sync.

Etrack Incident: 3502331

- Associated Primary Etrack: 2617252
- Associated Service Request Etrack(s): 3501424
- Description:
An `nbdeployutil` traditional report listed `UNKNOWN` as the number of processor cores for most pre-7.5 clients.

Etrack Incident: 3516287

- Associated Primary Etrack: 3513636
- Associated Service Request Etrack(s): 3513613
- Description:
The `bppllist` and `bpplinclude` commands did not handle arbitrarily long include paths.

Etrack Incident: 3520399

- Associated Primary Etrack: 3511621
- Associated Service Request Etrack(s): 3511594
- Description:
NetBackup OpsCenter SSL signature algorithm issue.

Etrack Incident: 3527346

- Associated Primary Etrack: 3520125
- Associated Service Request Etrack(s): 3520072
- Description:
Some virtual machines did not get backed up when lots of discovery jobs ran together for one vCenter.

Etrack Incident: 3527444

- Associated Primary Etrack: 3494143
- Associated Service Request Etrack(s): 3493986
- Description:
Multiple reports displayed IP addresses instead of client names for virtual machines.

Etrack Incident: 3528585

- Associated Primary Etrack: 3500515
- Associated Service Request Etrack(s): 3500501
- Description:
NetBackup OpsCenter sent SNMP frames that included unsupported trailing carriage returns.

Etrack Incident: 3535805

- Associated Primary Etrack: 3535804
- Associated Service Request Etrack(s): 3535615
- Description:
Reports displayed the snapshot ID values in the **Job Directory** field.

Etrack Incident: 3552906

- Associated Primary Etrack: 3552683
- Associated Service Request Etrack(s): 3551750
- Description:
The `dberror` information did not write to the Windows Event Log.

NetBackup 7.6.0.2 EEB and release content listings

This chapter includes the following topics:

- [NetBackup 7.6.0.2 EEB listing](#)
- [NetBackup 7.6.0.2 release content listing](#)

NetBackup 7.6.0.2 EEB listing

[Table 7-1](#) contains a listing of known issues with NetBackup that were identified, fixed, and made available to customers in the form of an emergency engineering binary (EEB). NetBackup 7.6.0.2 resolves the issues that were fixed with each of these EEBs.

More information on the Etracks that are listed in this topic (and any other service request Etrack) can be found using the Symantec Operations Readiness Tools (SORT) website.

See [“About Symantec Operations Readiness Tools”](#) on page 203.

Table 7-1 NetBackup 7.6.0.2 EEB listing

Etrack Number	EEB Description
2001775	While generating a MOVE script from the MSSQL agent interface, dbbackup.exe uses incorrect image sets which causes the restore failure.
2223031	The NetBackup Administration Console displays the images that were made before the daylight saving time (DST) change with an adjusted time that is off by one hour.
2373499	Restores of 2.5 million files are processed for over 17 hours in the bpdpm program before they go active.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
2421597	Restores of 2.5 million files are processed for over 17 hours in the bpdbrm program before they go active.
2526473	FlashBackup restores of millions of files are queued for many hours before they go active.
2577067	Need the ability to specify the media server that should be used to perform the restore request.
2617695	An interface is required to display the list of media servers that are available for restoring a selected backup.
2661839	Restores of 2.5 million files are processed for over 17 hours in the bpdbrm process before they go active.
2679107	Restores of 2.5 million files are processed for over 17 hours in the bpdbrm process before they go active.
2748878	Performance issues with the scheduled export of a reports.
2753077	Restores of 2.5 million files are processed for 17+ hours in the NetBackup Database Manager (bpdbrm) before they become active.
2754364	The NetBackup Enterprise Media Manager (nbemm) process' thread gets stuck in an SQLExecute call, which causes all other backup jobs to queue.
2767908	Performance improvements for backups of Distributed File System Replication (DFSR) systems.
2798313	The export of a scheduled report takes a very long time.
2815601	Restores of 2.5 million files are processed for 17+ hours in the NetBackup Database Manager (bpdbrm) before they become active.
2863127	Restores of 2.5 million files are processed for 17+ hours in the NetBackup Database Manager (bpdbrm) before they become active.
2901521	A 'NumberFormatException' occurs while running a scheduled export report.
2996404, version 2, 1	NetBackup Resource Management issue.
3043782	An Advance Success Rate report does not correctly report the number of successful and failed jobs.
3086115	The image data collector fails on a master server with and 'org.omg.CORBA.OBJECT_NOT_EXIST' server-side exception.
3100799	The export of a scheduled report takes a very long time.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3114410	Generating a recovery report yields a "premature end-of-file" error and the report is missing the recovery steps.
3116644	Image data collection fails with a "CORBA.OBJECT_NOT_EXIST" error.
3129891	A multistreamed SAP restore fails on Linux because the bprestore command is not properly formatted.
3141517	The 'Override policy volume pool' policy option is grayed-out under the 'Change Schedule - Attributes' tab and 'Media and Device Manager - Media - Volume Pools'. If 'Catalog Backup' has been selected for a volume pool, then it cannot be deselected.
3143861	The Fibre Transport (FT) server process (nbftsvr) reports DebugBreak and AbortIOTask messages, followed by hours of no activity with nbftsvr.
3149995	An interface is required to display the list of media servers that are available for restoring a selected backup.
3150002	The NetBackup Backup, Archive, and Restore interface does not provide a way to select a media server to be used for a restore operation.
3154428	The Client Summary Dashboard report does not update the client NetBackup versions automatically.
3162199	When the source database and destination database names and instance names are identical, a DB2 alternate client roll-forward fails because the backup following the roll-forward tries to run on the source client instead of the destination.
3177452	A single file restore from a FlashBackup image results in an assert error when restoring a Windows single-instance store (SIS) file.
3180639	The NetBackup for SQL Agent interface generates an incorrect MOVE script resulting in restore failure.
3184530	The bpinetd process crashes during Microsoft Volume Shadow Copy Services (VSS) snapshot cleanup.
3184554	Backups of checkpoint files exhibit performance degradation.
3186698	The Client Summary Dashboard report does not update the client NetBackup versions automatically.
3186938	The Client Summary Dashboard report does not update the client NetBackup versions automatically.
3187911	A multistreamed SAP restore fails on SUSE Linux.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3188094	The Client Summary Dashboard report does not update the client NetBackup versions automatically.
3199296	A one-time script was created to address an issue where a media server was accidentally added as a master server in the Enterprise Media Manager (EMM). The script will not be included in any other release vehicle.
3199333	The Fibre Transport (FT) client process (nbftclnt) crashes.
3199724	Large Distributed File System Replication (DFSR) backups fail and the bpbkar32.exe program can crash.
3202210	An Exchange GRT restore from a NetBackup 7.1 image fails in version 7.5.0.4.
3206707, version 2, 1	A long-running pruning phase of a cleanup job prevents catalog compression from running.
3210144	An Advanced Success Rate report fails because of a daylight saving time (DST) effect when the selected time range falls within February 16th and November 21st.
3210493	Cumulative incremental backups can be much slower in NetBackup 7.5 than they were in version 7.1.
3211336	The NetBackup Administration Console shows zero disk pools under 'Device Monitor - Disk Pools' if it doesn't have an AdvancedDisk license.
3215626	A Disk Pool Full alert gets generated only after the high water mark is reached, which results in failed backup jobs.
3222403	During cleanup, the NetBackup Database Manager (bpbdbm) process hangs or takes a great deal of time processing. This behavior is observed in the case of a corrupt .f file with millions of records.
3226495	Unable to backup the registry (NTUSER.DAT) when a user is not logged in.
3227128	Enterprise Vault partition backups fail with status code 156 for mounted partitions.
3227367	The NetBackup Backup-and-Archive Manager (bpbkar) does not correctly send file information to the NetBackup Backup-and-Restore manager (bpbrm) for the files that contain a new line in the file name. The result is a bpbrm core dump issue.
3229364	An alternate restore of a client-side encrypted backup between an x86 computer and a SPARC computer fails with status code 11.
3229377	Even though the Bare Metal Restore (BMR) database contains compatible Windows drivers, during a 'Prepare to Restore' operation, a higher-level driver is inserted even though it is incompatible.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3234665	Backups of checkpoint files exhibit performance degradation.
3234668	Backups of checkpoint files exhibit performance degradation.
3239631	When the VxVM snapshot method is used for local host, mirrored snapshots fail when two or more are run in parallel that are under the control of NetBackup.
3242299	SAP backups of files larger than 4GB fail when 'sort_type' is set to device.
3243594	A core dump issue can occur with the NetBackup Backup-and-Archive Manager (bpbkar32.exe) during incremental backup. The logs indicate that it was in the 'create_parent_entries' portion of the backup.
3244039	Fibre Transport (FT) client process (nbftclnt) core dump issue.
3246576	The Fibre Transport (FT) server process (nbftsvr) reports DebugBreak and AbortIOTask messages, followed by hours of no activity.
3248100	Processing Exchange files on snapshot takes too long.
3251172	During backups, the backup-and-archive manager (bpbkar) can crash due to heap corruption.
3252489	An Oracle Flash Recovery Area (FRA) backup to a storage unit that is taken after 24+ hours fails.
3252796	An alternate restore of a client-side encrypted backup between an x86 computer and a SPARC computer fails with status code 11.
3253930	Installation of NetBackup 7.5 fails with a host name containing -u.
3256280, version 1	The NetBackup Policy Execution Manager (nbpem) does not honor the 'Retries allowed after runday' option.
3256446	Distributed File System Replication (DFSR) backups fail to clear archive bits, thus making incremental backups appear to run as full backups.
3256665	Image information intermittently missed for successful job records.
3257857	An Exchange GRT restore may fail with a NetBackup 7.1.0.4 client if the backup image was created by and duplicated by NetBackup 7.1 to 7.1.0.2, and Exchange 2010 SP1 or later had created the mailbox.
3258112	A Disk Pool Full alert gets generated only after the high water mark is reached, which results in failed backup jobs.
3258831	Backup jobs to Data Domain fail when NetBackup Accelerator is enabled.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3260752	Added the force flag to the vxassist command to allow the SmartMove feature of Volume Manager to work with NetBackup snapshots.
3262154	Deletions of images in NetBackup with SQL-BackTrack for Oracle if 'Legal Hold' is set.
3263480	Deletions of images in NetBackup for 'Legal Hold' images for XBSA and SQL-BackTrack agents for Oracle.
3263484	Deletions of images in NetBackup and Oracle if 'Legal Hold' is set.
3263486	Deletions of images in NetBackup and Oracle if 'Legal Hold' is set.
3263488	Prevent the deletions of images in NetBackup and Oracle if Legal Hold is set.
3263490	Deletions of images in NetBackup and Oracle if 'Legal Hold' is set.
3263564	If 'metastat' command shows full device path instead of device name in the output and Solaris client has Solaris Volume Manager installed, then restore fails with invalid boot device path created for a non-default Solaris Volume Manager client.
3265279	The NetBackup Policy Execution Manager (nbpem) does not honor the 'Retries allowed after runday' option.
3266421	An Exchange GRT restore may fail with a NetBackup 7.5.0.5 client if the backup image was created by and duplicated by NetBackup 7.1 to 7.1.0.2, and Exchange 2010 SP1 or later had created the mailbox.
3266602	For single file restores under the 'Search' tab in the OpsCenter interface, files with sizes greater than 1 GB display incorrect values.
3266917	Unable to backup the registry (NTUSER.DAT) when a user is not logged in.
3269421	A restore of a large SQL database that has a large number of filegroups or files fails with status code 24 and leaves the database in a restoring state.
3269849	A core dump issue occurs when the nbrbutil -dumptables command is run when the NetBackup Enterprise Media Manager (nbemm) is down.
3270022	Backups of stub files fail with status code 130. NetBackup treats these stub files as sparse files.
3270614	An Exchange GRT restore may fail with a NetBackup 7.5.0.6 client if the backup image was created by and duplicated by NetBackup 7.1 to 7.1.0.2, and Exchange 2010 SP1 or later had created the mailbox.
3271877	Installation of NetBackup 7.5.0.6 fails with a host name containing -u.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3272061	The image data collector stops and does not retry collection.
3272381	Unable to decommission an appliance server that was incorrectly added as a master server.
3273589	Installation of NetBackup 7.5.0.5 fails with a host name containing -u.
3274072	The 'Override policy volume pool' policy option is grayed-out under the 'Change Schedule - Attributes' tab and 'Media and Device Manager - Media - Volume Pools'. If 'Catalog Backup' has been selected for a volume pool, then it cannot be deselected.
3274742	If multiplexing is enabled in a VMware policy, the backup job can fail with status code 73.
3275765	The Backup, Archive, and Restore program for Windows crashes when the 'Backup' window is closed using the Close button (X) on the application window.
3277447	The keyword 'VXDBMS_VALIDATION = OFF' in the vxdbms.conf file does not work correctly. It should stop validating the database for a hot catalog backup.
3277716	An Exchange granular restore fails with the following error when the mailbox name contains a forward slash (/): "no entity was found".
3280724	A multistreamed backup policy that has two schedules with destination storage as disk storage and an SLP with snapshot causes the snapshot job to run repeatedly instead of once.
3281714	A one-time script was created to address the wrong master server references deletion failure. The script will not be included in any other release vehicle.
3284316	When the bpimmedia -mediaid command reports an image that resides on the specified media, it omits those fragments that do not reside on that media.
3284351	The NetBackup Enterprise Media Manager process (nbemm) hangs due to different queries getting stuck.
3284494	VMware backup job fails in the backup and archive manager (bpbkar) with status code 73 if multiplexing is enabled.
3288231	When browsing for a restore, networks are not seen while restoring with the NetBackup Plug-in for VMware vCenter.
3288749	Need secure version of Apache Tomcat.
3289848	The bpinetd process crashes during Microsoft Volume Shadow Copy Services (VSS) snapshot cleanup.
3292292	Various Sybase defects.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3293625	An Exchange GRT restore may fail with a NetBackup 7.5.0.6 client if the backup image was created by and duplicated by NetBackup 7.1 to 7.1.0.2, and Exchange 2010 SP1 or later had created the mailbox.
3295967	An Exchange granular restore fails with the following error when the mailbox name contains a forward slash (/): "no entity was found".
3300573	A core dump issue occurs while running the nrbutil -dumptables command when the NetBackup Enterprise Media Manager (nbemm) is down.
3303030	A VxMS error occurs in reading a logical volume manager (LVM) disk if the disk also contains a master boot record (MBR) magic number.
3303205	In some cases, temp files are left on the computer that is the backup host for VMware backups.
3306691	NetBackup 7.5.0.6 EEB bundle for SAN Client Fibre Transport media server.
3306840	SAN Client EEB bundle for NetBackup 7.5.0.6.
3306949	The NetBackup Backup-and-Archive Manager (bpbkar) crashes as a result of invalid data in the following registry key: "SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management\PagingFiles".
3307885	Performance improvements for backups of Distributed File System Replication (DFSR) systems.
3308782, version 1	The Activity Monitor continually reports "Unknown Job Type" following an upgrade of the master server.
3308932	The active node does not assign the correct name when the cluster name is a different case in the policy.
3309127	The "bpimage -update -keyword" command does not work with NetBackup 7.5.0.x.
3310111	Incremental backups are much slower in NetBackup 7.5 than they were in NetBackup 7.1.
3311027	The 'ndmp_end_notify' script is not called when using NDMP multiplexing.
3311495	When a catalog backup fails, the NetBackup Database Manager (bpdbm) crashes while preparing to run the disaster recovery email script.
3315287	Memory leak issue in the NetBackup Service Layer (nbsl).
3315572	A one-time script was created to remove an unwanted master server entry from the Enterprise Media Manager (EMM) database. The script will not be included in any other release vehicle.
3315839	Enterprise Vault partition backups fail with status code 156 for mounted partitions.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3316213	During snapshot deletion sessions, nbdelete may start many unnecessary bpdm processes for snapshot deletion. This issue can cause deletion performance problems.
3316947	The NetBackup Remote Administration Console for Windows overflow displays incorrect kilobytes written to media for a large backup of approximately 5.5 TB.
3317235	The dbbackup.exe program uses incorrect image sets when building a MOVE script for restore.
3318540	The VMware Intelligent Policy (VIP) Test Query button returns an error message for some queries.
3320504	Trap recipients are removed after a copy of an alert policy has been made.
3320755	The NetBackup Enterprise Media Manager (nbemm) appears to hang and stop logging.
3321609, version 2, 1	A VxMS error occurs in reading a logical volume manager (LVM) disk if the disk also contains a master boot record (MBR) magic number.
3322779	After job and image collections start, the NetBackup Service Layer (nbsl) uses thousands of handles, causing the master server to run low of memory and become unresponsive.
3323789	A core dump issue occurs with the mmcrawl command.
3330255	An AIX client bundle import fails due to the failure of the lsjfs and lsjfs2 commands that are related to journaled file system (JFS).
3331244	A one-time script was created to address a server that was set to the wrong type. The script will not be included in any other release vehicle.
3332389	Error log recycling that occurs while a catalog backup is active can lead to the backup ending with status code 1, affecting subsequent Vault operations.
3332493	Windows Open File Backup jobs take much longer in NetBackup 7.6 than in version 7.1.
3333479	The 'ndmp_end_notify' script does not get called when multiplexing (MPX) is selected in the policy schedule and on the destination storage unit has MPX greater than 1.
3335013	The All Failed Backups report is invalid when the success rate Metric Type is set to Stream.
3335192	The Backup, Archive, and Restore program for Windows crashes when the 'Backup' window is closed using the Close button (X) on the application window.
3335748	Unable to back up the clients that have hostnames that contain a trailing dot (period).
3336584	Restore jobs finish with status code 1: "(utimes() failed with EOVERFLOW)".

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3336909, version 3, 2, 1	Bundle for the NetBackup Policy Execution Manager (nbpem) that contains various fixes.
3338332, version 1	A long-running pruning phase of a cleanup job prevents catalog compression from running.
3342070	The tar32.exe process can crash during a system state restore on Windows Server 2003.
3345427	The parent job (informational job) spawned by the SQL backups that were initiated from NetBackup client-side fail with status code 23 after all child jobs complete successfully when NBSERVER does not match the SQL server's first server entry.
3348281	A backup of Enterprise Vault databases that are hosted by an SQL server that is configured to use an alias fails with status code 130 or 72.
3348788	The "bpimage -update -keyword" command does not work with NetBackup 7.5.0.x.
3349473	A VMware backup with Replication Director selected fails with status code 20. The NetBackup Database Manager (bpdbm) looked at the wrong path for the bpfis state files while in a clustered setup. An incorrect macro was used for the path to look for.
3350227	The Backup, Archive, and Restore interface shows an incorrect file size when an Exchange backup has failed.
3352924	For a dissimilar system restore (DSR) to a newly-created virtual machine (ESXi 5.x) that has empty disks, thick/thin provisioning results in the following Bare Metal Restore (BMR) recovery failure: "The restore has stopped due to the following error:?".
3353267	BMR restores of Windows 2008 and newer clients fail with error messages in the BMR Restore utility (bmrst) log that are similar to the following: "butils.cpp:RestoreASRData() Failed to move file [C:\BMR\SCC\Automated System Recovery\bootmgr] --gle=2".
3353834	A non-GRT SharePoint backup fails with status code 71 when an SQL-server alias is used.
3358567	The Backup, Archive, and Restore interface shows an incorrect file size when an Exchange backup has failed.
3358796	A storage lifecycle policy (SLP) Status report does not appear to correctly display image and copy data. The SLP Backlog report also appears to be incorrect.
3361490	Adding media ID to a jobs report restricts the output to only successful jobs.
3362498	Poor performance of Distributed File System Replication (DFSR) data backups. Even small DFSR data sets on the order of several million files can take multiple days to complete a full backup.
3363390	An Exchange database restore fails if the original drive path does not exist on the target client.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3363459	NetBackup OpsCenter issue.
3364605	SharePoint backups fail in a clustered SQL server environment, where SharePoint is configured with an alias to the virtual cluster name.
3365627	An SQL query that closes with a semicolon (;) generates a report that shows page 1 data being repeated on subsequent pages of the report.
3365980, version 1	The Backup, Archive, and Restore interface displays the 'Time Backed up' as one hour off for a backup image from before DST change.
3367129, version 2, 1	Jobs incorrectly display status code 50 in the Activity Monitor after a large number of NetBackup Job Monitor (bpjobd) updates have been serviced.
**3369720	Virtual machine (VM) selection query results may be reused for longer than expected, and in some cases indefinitely. When older query results are used, VMs that have been created since that query will not be protected. http://www.symantec.com/docs/TECH212564
3369797	The /usr/opensv/db/bin/nbdb_backup -online 'dir' -truncate_tlog command gives a syntax error.
3372109	Various performance improvements for Distributed File System Replication (DFSR) backup and restore. The primary improvement is to increase DFSR backup performance to be approximately the same as a normal file system backup.
3373514	The Images on Disk report returns "No Entity Found" for the Cloud storage type.
3376043	Restoring a Granular Recovery Technology (GRT) mailbox item that contains invalid XML characters can fail.
3378874	During Auto Image Replication of a catalog backup, another catalog backup occurring on the production server may fail.
3380239	Point-in-time configuration creation fails with "rc=20" if the backup image that is chosen is older than 6 months.
3380282	Snapshot rotation can fail when duplications are in progress. This issue leads snapshot backups to fail with status code 228.
3382432	A backup of a Windows Server 2003 cluster results in the NetBackup Backup-and-Archive Manager (bpbkar) crashing at the start of the backup.
3382446	Bare Metal Restore (BMR) recovery of clients that have boot volumes on SAN multi-path (using EMC PowerPath and native Linux multi-path) has limited support. Follow the procedure in Tech Note TECH214071 to get it to work.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3382835	The nbdb_backup command does not accept the -truncate_tlog option for non-remote databases.
3383267	The Backup, Archive, and Restore program for Windows crashes when the 'Backup' window is closed using the Close button (X) on the application window.
3383303	For a dissimilar system restore (DSR) to a newly-created virtual machine (ESXi 5.x) that has empty disks, thick/thin provisioning results in the following Bare Metal Restore (BMR) recovery failure: "The restore has stopped due to the following error:?".
3383320	A VMware backup with Replication Director selected fails with status code 20.
3385055	The NetBackup Backup-and-Restore Manager (bpbm) encounters a core dump issue on the backups of certain VMware guests.
3385076	Archived images are no longer identified as such in the NetBackup Backup, Archive, and Restore interface. The file lists of the archived images are also not browsable even though the bpcatrm command has not yet deleted them.
3385162	A Windows Server 2003 client file system backup fails with status code 13 after an upgrade from NetBackup 7.5.0.5 to version 7.5.0.6.
3385322	SAN Client EEB bundle for NetBackup 7.6.0.1.
3387593	The NetBackup Enterprise Media Manager (nbemm) appears to hang and stop logging.
3387595	Unknown jobs showing in the Activity Monitor.
3387621	NetBackup Replication Director issue.
3387634	The schedules that are deleted from a policy that has a synthetic schedule defined are not pruned from the streams file by the NetBackup Job Manager (nbjm) when stream discovery is performed.
**3387635	The schedules that are deleted from a policy that has a synthetic schedule defined are not pruned from the streams file by the NetBackup Job Manager (nbjm) when stream discovery is performed. http://www.symantec.com/docs/TECH216322
3389794	Windows Open File Backup jobs take much longer in NetBackup 7.6 than in version 7.1.
3390861	While restoring VMware block-level incremental backups when the full backup is on a Media Server Deduplication Pool and the incremental on tape, restoring the full backup attempts to allocate resources for the incremental portion instead of the full.
3391357	A SharePoint 2013 backup fails with the following error: "IsClientValid".

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3394809	In the Client Coverage report, the import of a CSV file fails.
3395313	SQL script to remove an invalid master server entry from the database.
3397132	Backup to BasicDisk with relocation and handling of incremental backup images with zero length fragments.
3398015	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3398037	In some cases, disks are incorrectly mapped to the wrong physical disk path.
3398210	After NetBackup restores a previously-deleted public folder item, Outlook shows the restore time rather than the original time as the posting time.
3400300	A single file restore from a FlashBackup backup that is greater than 2 TB fails when the NetBackup master and client are on different Linux systems.
3402090, version 2, 1	NetBackup Catalog issue.
3403411	The NetBackup Administration Console for Windows displays an incorrect device host name in the 'Change Robot' display.
3404485	NetBackup installation hangs on AIX 7.1 TL3 and AIX 6.1 TL9.
3404879	Incomplete backups of Distributed File System Replication (DFSR) data occur when the DFSR data is distributed across more than one volume.
3405913, version 1	Modified parsing of fstab to allow comments after entry.
3406817, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406818, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406820, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406821, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406822, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406823, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3406824, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406825, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406826, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406831, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406832, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406833, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406834, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406835, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406837, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406839, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3406840, version 1	The NetBackup Deployment Utility (nbdeployutil) inaccurately calculates traditional licensing reporting for the number of clients.
3408066	Enterprise Vault partition backups fail with status code 156 for mounted partitions.
3408087	When restoring of virtual machines (VMs) to vCloud Director, guest OS customizations are not restored.
3413692	The bpbkar.exe program crashes taking a SharePoint backup.
3414994	Restore jobs fail with status code 1. The restore log shows the following message: "utimes() failed with EOVERFLOW".
3415503	A NetBackup Backup-and-Archive Manager (bpbkar) core dump issue occurs intermittently with SAN backups when using a Linux VMware backup host.
3415539	Storage lifecycle policy (SLP) images are purged before they are expired.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3415558	Replication operations that contain many small files take an abnormally long time.
3415751	SAN Client Fibre Transport media server EEB bundle for NetBackup 7.6.0.1.
3415800	With VMware backups using SAN transport, the NetBackup Backup-and-Archive Manager (bpbkar) may receive a signal 13 which causes the process to abort. A bpbkar core dump issue may occur on Linux VMware backup hosts.
3416633	Introduction of the new keyword 'FORCE_BACKUP_CLIENT' in the db2.conf file allows for backup from an alternate client.
3419633	The Fibre Transport (FT) client process (nbftclnt) crashes if the service owner is in a Windows Server 2008 R2 domain.
3420208	If NetBackup Access Control (NBAC) is enabled and the NetBackup database has been migrated to a different location using nbdb_move, the installation fails.
3423517	A large number of stale NetBackup proxy service (nbproxy) processes remain and do not get cleaned up.
3424853	An Exchange Granular Recovery Technology (GRT) event on NetBackup 7.5.0.6 returns the following error when the mailbox name contains a '/' or '~': "no entity was found".
3425070	NetBackup Resource Management issue.
3426646	The NetBackup Backup-and-Restore Manager (bpbm) crashes if a client has files on it that have newline characters in the file names.
3427024	On Red Hat Enterprise Linux (RHEL) 6.2 with storage area network (SAN) multi-path boot volumes, the output format of the multipath -l command changed. Therefore, the Bare Metal Restore (BMR) parser fails to capture the correct disk name.
3432369	When an OpenStorage (OST) storage unit is credentialed for a NetBackup clustered master server, selecting the 'Only use the following media servers' and the cluster name on the storage unit results in status code 213.
3432390	Fix for bpjobd process performance improvements in NetBackup 7.5.0.7.
3433335, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3436564	NetBackup OpsCenter issue.
3443448	An Accelerator backup fails with the following error: "ERR - failure getting fingerprint list".
3447761	In VMware backups with SAN transport, the NetBackup Backup-and-Archive Manager (bpbkar) receives a signal 13 which causes the backup to abort. This issue then causes a core dump issue with bpbkar on Linux.

Table 7-1 NetBackup 7.6.0.2 EEB listing (*continued*)

Etrack Number	EEB Description
3447860, version 1	A bundle to address multiple issues that relate to Enterprise Media Manager (EMM), including long Media-and-Device-Selection queries, slow tape-drive assignment, unavailable storage units, and backups queued behind a stuck SQL thread.
3447902	NetBackup installation hangs on AIX 7.1 TL3 and AIX 6.1 TL9.
3451027	The network listing with the NetBackup Plug-in for VMware vCenter does not list available networks.
3451991	MSDP to PDDO duplications fail with a status code 191 when the PureDisk (PDDO) storage pool contains three or more nodes.
3454492	After an Oracle backup, a temporary RMAN script file (runman.XX.XX.tmp) is not deleted. This .tmp file is created on the client at the following location: /usr/opensv/netbackup/logs/user_ops/dbtemplates/oracle.
3456512	Installation fails when NetBackup Access Control (NBAC) is enabled and the NetBackup database was migrated to a different location.
3459506	NetBackup Agent for MS Exchange issue.
3464221	NetBackup is unable to compress catalog .f files larger than 4 GB.
3465192	Upgrading from a previous release to NetBackup 7.5 fails if the server name contains '-ua'.
3470734	If there is an exclude_list entry for /usr/opensv then the xml control file is skipped for VMware backups. This issue results in a status code 0 and a 32kb backup image with no data protected. www.symantec.com/docs/TECH215894
3471853	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3473884	VMware backups may sometimes have a critical stop in the bpfis process, resulting in a signal 6.
3491827	NetBackup Relational Database issue.
3495292	NetBackup Catalog issue.

NetBackup 7.6.0.2 release content listing

This topic contains a list of some of the known issues that were fixed and included in the NetBackup 7.6.0.2 release.

Etrack Incident: 3274308

- Associated Primary Etrack: 3259146
- Associated Service Request Etrack(s): 3259124
- Description:
 If a logical volume manager (LVM) disk has a master boot record (MBR) signature, the backup fails with status codes 6 and 11. However, those error messages did not convey that the backup was unsuccessful due to a misconfiguration. A clearer error message was added if the disk is LVM and has an MBR signature.

Etrack Incident: 3291327

- Associated Primary Etrack: 3230729
- Associated Service Request Etrack(s): 3230706
- Description:
 NDMP restores created endless `read_data: waited for empty buffer` messages in the NetBackup tape management process (`bptm`), which then locked up the **Activity Monitor**.

Etrack Incident: 3291970

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 The catalog information contained incorrect modification times that were created by a **Lotus-Notes** type of policy. As a result, the **Time Modified** field displayed the incorrect date and time in the Backup, Archive, and Restore interface.

Etrack Incident: 3296679

- Associated Primary Etrack: 3293579
- Associated Service Request Etrack(s): 3293541
- Description:
 If any inode is corrupted in the Windows OS, then there is a chance that there is no attribute present in the Master File Table (MFT) index. Now if there is no attribute present in any MFT index, then VxMS should return the error for that particular index. VxMS bypasses that particular MFT index.

Etrack Incident: 3347506

- Associated Primary Etrack: 3336082
- Associated Service Request Etrack(s): 3336058
- Description:

If Windows Server 2008 is upgraded from Server 2003, then the `boot.ini` file may still be present. If the `boot.ini` file was present in Windows Server 2008, then NetBackup used it instead of Boot Configuration Data (BCD). In this case, NetBackup was unable to find the system root.

Etrack Incident: 3357396

- Associated Primary Etrack: 3293599
- Associated Service Request Etrack(s): 3306888
- Description:
Upgraded Microsoft Visual C++ 2010 run-time DLLs. The new version of Visual C++ was included to correct an issue with symbolic links on Windows platforms. For more information on the symbolic link issue, refer to the following article on the Microsoft Support website: <http://support.microsoft.com/kb/2889080>

Etrack Incident: 3358631

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The NetBackup plug-in for vCenter installer would fail to register the plug-in with the vCenter server if the vCenter server password contained special characters (such as \$, @, and !).

Etrack Incident: 3372892

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The NetBackup Administration Console on Windows crashed when an SLP window copy operation was canceled. This issue was related only to the NetBackup Administration Console SLP windows node. The console only crashed in the case where the copy operation was started and canceled in between. The console does not crash if the copy operation completes.

Etrack Incident: 3374016

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The **Exclude Days** tab for storage lifecycle policy (SLP) windows was truncated in locales other than English. This issue occurred when an SLP window was added during SLP creation and when an SLP window was created directly through the SLP windows node.

Etrack Incident: 3380407

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 Old storage lifecycle policy (SLP) versions would expire or be removed only automatically when there were no incomplete (SLP) images referencing it, and a two-week grace period had elapsed since the version was used the last time.

Etrack Incident: 3383082

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 For tape storage units, once the fragment size was changed it could not be configured back to the default value of 1048576. In this case, the `bpsturep` command was needed to change the value of the fragment size.

Etrack Incident: 3393648

- Associated Primary Etrack: 3384760
- Associated Service Request Etrack(s): 3384228
- Description:
 The **Preview Media** function in the Backup, Archive, and Restore interface gave an error when the image was on disk.

Etrack Incident: 3405857

- Associated Primary Etrack: 3402176
- Associated Service Request Etrack(s): 3402139
- Description:
 NetBackup upgrades failed when a server had `CLUSTER_NAME` or `REQUIRED_INTERFACE` defined and `ANY_CLUSTER_INTERFACE = yes`, but did not have `PREFERRED_NETWORK` defined.

Etrack Incident: 3406888

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 A core dump issue could occur when you ran the `bpplclients` command with no options when an Oracle policy was present that contained an instance group.

Etrack Incident: 3439426

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
For certain configurations, the `nbdeployutil --report --traditional` command would fail and issue a message similar to the following: `Can't call method "storage_type" on an undefined value at PERL2EXE_STORAGE/Copy.pm line 56.`

Etrack Incident: 3439719

- Associated Primary Etrack: 3445247
- Associated Service Request Etrack(s): 3439335
- Description:
The `setupWmc.bat` batch script failed to start the NetBackup Web Services when a password containing special characters was used. Examples of special characters include asterisk, space, double quotes, etc.

Etrack Incident: 3453193

- Associated Primary Etrack: 3393576
- Associated Service Request Etrack(s): 3392778
- Description:
Alerts were not received for failed VMware parent jobs in OpsCenter. This issue first appeared in NetBackup 7.5.0.6 for VMware policy type parent jobs.

NetBackup 7.6 GA EEB and release content listings

This chapter includes the following topics:

- [NetBackup 7.6 GA EEB listing](#)
- [NetBackup 7.6 GA release content listing](#)

NetBackup 7.6 GA EEB listing

[Table 8-1](#) contains a listing of known issues with NetBackup that were identified, fixed, and made available to customers in the form of an emergency engineering binary (EEB). NetBackup 7.6 GA resolves the issues that were fixed with each of these EEBs.

More information on the Etracks that are listed in this topic (and any other service request Etrack) can be found using the Symantec Operations Readiness Tools (SORT) website.

See [“About Symantec Operations Readiness Tools”](#) on page 203.

Table 8-1 NetBackup 7.6 GA EEB listing

Etrack Number	EEB Description
1077887	This fix treats the Loopback File System (LOFS) as a local drive for Solaris 10 Zone support.
1155270	This fix treats the Loopback File System (LOFS) as a local drive for Solaris 10 Zone support.
1165573	Zeta file systems on a Solaris 10 client are not backed up when the ALL_LOCAL_DRIVES directive is used in the policy configuration under NetBackup. The client is modified to treat it as a cross mount point backup.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
1204968	When the Loopback file system is on a client, NetBackup treats it as a local file system. When the system is not on a client, NetBackup treats it as a Network file system. The fix for the client is a touch file <code>openv/netbackup/TREAT_LOFS_LOCAL</code> .
1377572	The Zeta file system (ZFS) is not backed up when the <code>ALL_LOCAL_DRIVES</code> directive is used.
1603726	When the Loopback file system is on a client, NetBackup treats it as a local file system. When the system is not on a client, NetBackup treats it as a Network file system. The fix for the client is a touch file <code>openv/netbackup/TREAT_LOFS_LOCAL</code> .
1679111	The NetBackup Policy Execution Manager (nbpem) allows two FULL schedule backups to run on the same day from the same policy.
1789904	A one-time script was created to address a deassigning issue. The script will not be included in any other release vehicle.
1917878	The NetBackup Policy Execution Manager (nbpem) allows two FULL schedule backups to run on the same day from the same policy.
1919347	The NetBackup Policy Execution Manager (nbpem) allows two FULL schedule backups to run on the same day from the same policy.
1977458	The time that is taken to shut down NetBackup services is high if the network goes down.
2063360	The time that is taken to shut down NetBackup services is high if the network goes down.
2063802	The <code>bbpkar</code> process core dumps when FlashBackup is run on HP-UX IA64 11.23, and finishes with a status code 130.
2073735	Multiple FULL backups can run at the same time on the same client.
2091100	The <code>bbpkar</code> process core dumps when a FlashBackup backup is run with the <code>VxFS_Snapshot</code> snapshot method on an HP-UX IA64 11.23 system.
2115317	The Veritas Mapping Service returns an error 4109 when Block Level incremental backups are enabled. The error occurs for incremental backups with the vStorage Application Programming Interface (API) on a large <code>vmk</code> file.
2138872	An issue occurs when <code>all_local_drives</code> is used on Solaris 10 zones with a Loopback file system. The file system mount is identified as a separate mount and as part of the root file system. The issue conflicts with multiple entries for the same file.
2144264	In Windows 2008 and 2008 R2, backups of <code>All_Local_Drives</code> , System State, and Shadow Copy fail with a status code 156 on cluster servers.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2149421	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2165121	Regardless of configuration, a Disk Staging Storage Unit (DSSU) backup schedule only runs once per day.
2171774	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2174275, version 2	The file bpbkar32.exe causes the Virtual Disk service to stop improperly.
2178146	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2184011	The time that is taken to shut down NetBackup services is high if the network goes down.
2185079	The bpbbrm program may freeze if BPCD_GET_NB_VERSION_RQST does not complete. Other jobs freeze and cannot be cancelled.
2189585	Backups of 'EV_INDEX_LOCATION' return a partially successful status code 1 and the following message: 'WIN32 87: The parameter is incorrect'. The issue occurs when the index path that is configured in Enterprise Vault is manually modified.
2193082, version 1	This bundle contains many fixes for VMware.
2206134, version 4, 3, 2	This is a bundle of fixes for NetBackup Windows client backups and restores.
2206140, version 6, 5, 4, 3	This is a bundle of fixes for NetBackup Windows client backups and restores.
2207676, version 1	This bundle contains many fixes for VMware.
2212121	Synthetic full backup schedules do not get scheduled when all previous full backups have expired.
2219360	Windows Server 2008 System state backups can fail with a status code 1. That is caused by the implementation of an Extensible Firmware Interface(uEFI) boot partition.
2227103	The schedule recalculation after image expiration can skip a day.
2228059	The bpbkar process core dumps when a FlashBackup backup is run with the VxFS_Snapshot snapshot method on an HP-UX IA64 11.23 system.
2229220	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2244089, version 3, 2	This is a bundle of fixes for Windows client backups and restores.
2253416, version 1	This is a bundle of fixes for Windows client backups and restores.
2256525, version 4, 3, 2, 1	This is a bundle of fixes for Windows client backups and restores.
2271378	In Windows 2008 and 2008 R2, backups of All_Local_Drives, System State, and Shadow Copy fail with a status code 156 on cluster servers.
2273391	A VMware backup hangs if a virtual machine is behind a firewall.
2278840	The time that is taken to shut down NetBackup services is high if the network goes down.
2299772, version 3, 2	This bundle contains many fixes for VMware.
2331090	In NetBackup 6.5.5, Bare Metal Restore experiences problems where the 'bpbrm -collect_bmr_info' command freezes on Windows media servers, although the import process successfully completes.
2331633	In OpsCenter 7.1, a Custom Tabular report does not sort the Client Name column.
2351900, version 3, 2	This is a bundle of fixes for Windows client backups and restores.
2355921	In the NetBackup console, the vStorage query builder corrupts queries when they consist of operands like "OR" and "AND".
2358033	The time that is taken to shut down NetBackup services is high if the network goes down.
2367085	In NetBackup 7.1, the bpbkar32.exe executable faults on a Mapped Linux Virtual Machine backup with the logical volume manager (LVM) configured.
2376845	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2378477	Allow users to add a keyword to Microsoft SQL Server backups so that the images can be searched based on keyword from the Backup, Archive, and Restore interface.
2381571	Some OpsCenter reports require the media ID field to be populated in the job database for all child jobs of multiplexed backups and duplications. Otherwise, the reports cannot determine the type of storage unit in use.
2385825	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2393120	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2394770, version 1	This bundle is a 7.1 hotfix combination of ET 2299772, ET 2256525, ET 2145207, and ET 2281357.
2414463	In Bare Metal Restore, the 'bpbrm -collect_bmr_info' command freezes on Windows media servers, although the import process successfully completes.
2416944	Some OpsCenter reports require the media ID field to be populated in the job database for all child jobs of multiplexed backups and duplications. Otherwise, the reports cannot determine the type of storage unit in use.
2429807	Root login to jbpSA is unable to perform an immediate backup/restore of Oracle.
2433801	The NetBackup request daemon (bprd) does not support the following bprestore command line option for tape: -disk_media_server.
2434869	A restore of a copy 2 from Optimized Duplication fails because the buffer size is different than copy 1 in the image header file.
2436160	Required to detect the exit status after client-initiated MS SQL jobs.
2436324	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2441838	The Tape Mount Request alert is not generated for restore jobs.
2478683, version 1	Large virtual machines cannot be restored because of a disconnected idle socket between the bprd and bpbrm processes.
2480123	New keyword 'MEDIASERVER' for MSSQL batch file is needed to allow the user to specify the media server from where the restore should happen.
2484565	In both Windows and Java consoles, volume information displays incorrectly for disk sizes larger than 1 terabyte.
2485432	Exchange Granular Restore Technology backups end with a status code 1.
2489363	The Drive Utilization shows lesser utilization for jobs with a large number of fragments that run for a long time.
2492139	The bpsetconfig command does not preserve a symbolic link path to the bp.conf file.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2493517	Allow users to add a keyword to the Microsoft SQL Server backups that get initiated by the client.
2513073	The File Count Variance report does not accurately calculate the average number of files that are backed up when the backups are multistreamed.
2519076	When two backups start on the same Windows client, both bandwidths are halved.
2529191	The NetBackup service group does not go offline after a network link goes down.
2532142	NDMP backups to an OpenStorage (OST) device can cause restore failures in some cases.
2532199	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2534647	NetBackup services take a long time to shut down when the IP address goes down. This issue causes long delays in cluster failover.
2535076, version 3, 2, 1	This is a NetBackup 7.1.0.2 Data Mover EEB Bundle.
2535095	Dbbackex.exe does not wait on the command prompt until the backup operation completes for the client-initiated MS SQL jobs.
2557732	The Advanced Success Rate report does not include multiple stream backups.
2559533	An HP-UX 11.31 client with a large bundle.dat size fails to import.
2562179	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2562242	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2562537	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2563662	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2565104	The bandwidth throttle freezes when a second backup starts on the same Windows client.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2567947	If multistream and multiplexing backups are configured to a deduplication storage unit, a disk pool down situation results because too many connections are open.
2580249	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2580250	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2583566	This fix enables the use of the touch file, USE_BACKUP_MEDIA_SERVER_FOR_RESTORE for restore jobs. The touch file allows the media server that was used to perform the backup operation to be selected.
2583875	After an upgrade from 7.0 to 7.1, a browse for the SQL client fails with a status code 23 and causes a bpdbm application fault. The following error message appears: 'unexpected return value from db_FLISTreceive'.
2586848	Backups can cause the bpbkar32.exe executable to core dump in the MSVCR80.dll module.
2591566	Unnecessary string conversions during the creation of the preview list can cause large delays in NetBackup Vault jobs.
2595168	Column headers are covered up when EXPORT_MESSAGE_TEXT headers are used on exported reports.
2597039	The Backup, Archive, and Restore Java interface does not restore the files that are contained in a directory that has an asterisk meta-character (*) in the name.
2597829	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.
2600512	OpsCenter does not generate Media Required For Restore alerts.
2601560	After an upgrade from 7.0 to 7.1, a browse for the SQL client fails with a status code 23 and causes a bpdbm application fault. The following error message appears: 'unexpected return value from db_FLISTreceive'.
2603300	Attempting to restore from a large Network Data Management Protocol (NDMP) backup can cause the NetBackup Database Manager (bpdbm) to fail with status code 220 and "memory map failed."
2603921	1) The Microsoft SQL Agent requires a parameter similar to the NB_ORA_DISK_MEDIA_SERVER parameter that is available in the Oracle agent. 2) The NetBackup request daemon (bprd) must support the following bprestore command line option: -disk_media_server.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2605325, version 2	This is a SAN Client EEB bundle for the NetBackup 7.1.0.2 release.
2611554	If the SQL database has excessive Filegroups associated with it, the restore fails with the error 'socket write failed'.
2612736	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2614754	Required to detect the exit status after client-initiated MS SQL backups.
2619988	Restore Audit Records do not contain the alternate client restore information.
2622505	Some OpsCenter reports require the media ID field to be populated in the job database for all child jobs of multiplexed backups and duplications. Otherwise, the reports cannot determine the type of storage unit in use.
2632959	Added a retry that will wait 60 seconds between each retry for the Deport command.
2634956	Virtual machines with multiple Windows installs do not map all volumes. Changes have been made to allow correct mapping for multi-boot virtual machines. This fix only fixes virtual machines that use boot.ini.
2634978	Snapshots are sometimes not cleaned up correctly. The bpfis -delete command is called even though the bpbkar process still runs. The disk lease release happens after the snapshot removal call.
2635645	Directory index AllocatedSize attribute problem.
2636625	The bpdbm process can cause duplications that run for a long time to timeout from apparent inactivity.
2637606	When the close_server command is not called for a multiplexed backup to a PureDisk Deduplication Option storage unit, severe resource leaks result.
2638897	A FlashBackup restore on a Solaris 7.0.1 master server fails with a core dump issue and a SIGBUS error due to unaligned memory access.
2639354	The Deduplication Manager (spad) process sometimes fails during backup and duplication jobs.
2640975	On a UNIX client, Bare Metal Restore fails when the media server is on a subnet other than that of the master and client servers.
2641347	For Microsoft Cluster Server (MSCS), the NetBackup Cluster API enumerates node IDs from 1. If NODE ID 1 is not present, the cluster API fails to detect nodes in the cluster and returns with error 30014.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2641589	When the IP address goes down and a cluster tries to shut down NetBackup services, it takes a large amount of time. This issue causes a delay in failover.
2643743	NetBackup can have performance problems due to heavy use of stats on config and license files.
2644017	A Verify of Exchange Info Store backup fails because of a raw partition size mismatch in the catalog and the tar header.
2645285	Throttling is sometimes not followed when it is set.
2648559	The default instance is skipped from a backup. The issue occurs when a 32-bit MSSQL default instance is installed on a 64-bit server and SQLINSTANCE \$ALL is specified in an MSSQL batch file.
2649093	Bare Metal Restore (BMR) experiences occasional problems where the 'bpbrm -collect_bmr_info' command hangs on Windows media servers even though the import process completes successfully.
2649165	If a backup is performed with a large user.dat file while that user is logged into the system, a successful backup may not be restorable.
2649340	On a HP-UX 11.31 system, Bare Metal Restore shared resource tree creation fails if the system host name is longer than 8 characters.
2649695	The kilobytes per second field in the NetBackup Job Monitor shows impossibly high values.
2650641	OpsCenter does not generate Media Required For Restore alerts.
2650649	An alert is not generated when a restore job is in the waiting state because of unavailable media.
2651159	Performance issues occur when views are exported.
2653356, version 2, 1	Bare Metal Restore (BMR) experiences occasional problems where the 'bpbrm -collect_bmr_info' command hangs on Windows media servers even though the import process completes successfully.
2653530	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2654222	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2655015	The Media Required for Restore alert is not generated.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2655171, version 1	Verify jobs and optimized duplications from a PureDisk Deduplication Option (PDDO) storage unit fail with the following error: "media open error (83)".
2655967	The File Count Variance report does not accurately calculate the average number of files that are backed up when the backups are multistreamed.
2657085	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2657218	The NetBackup Service Layer queue gets filled up, which causes data collection to fail with a socket 25 error. The issue occurs when a large number of events occur that fill up the queue.
2657515	An "unmap all" command fails on configurations that have Solaris zones on Veritas Volume Manager. Also, disk groups fail to map because of a lack of available space.
2658267	A one-time script has been created to address when a disk storage unit is full. The nbdevquery report shows negative numbers for the raw size when the High Water Mark is exceeded and there is insufficient disk space.
2658486	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2658500	Log messages longer than 1024 characters can cause problems for setup.exe.
2659374	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2659936	A Verify of Exchange Info Store backup fails because of a raw partition size mismatch in the catalog and the tar header.
2660424	The nbstserv process fails sometimes while it stops. An ImpMgrDBPoller thread has been fixed that polls to update the import job statuses in the database.
2660588	For a VMware Intelligent Policy, the bpperror process reports a client name as the media server instead of the virtual machine that failed.
2660635	An issue occurs on a clustered master server when nbemmcmd -changesetting is run for a setting that does not exist. If a cluster name is passed, it shows an invalid host name and the setting is not added. The command works if an active node name passes.
2660720	Disk staging storage unit schedules are deleted and scheduled relocations do not automatically run if some extra files are present in the db/sched directory.
2660733	Image Verify and Optimized Duplications from a PureDisk Deduplication Option storage unit fail while the storage unit reroutes. The following error occurs: "media open error (83)".

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2660807	The bpduplicate process receives a malformed message that causes it to freeze. The bpduplicate process properly handles the error message and stops the job. The issue occurs because an OpenStorage plugin problem causes the bptm process to core dump.
2661041	Files cannot be restored from the virtual machine backup images that are duplicated to the ndmp drive (Physical Tape Library) through an ndmp DirectCopy.
2661815	Some clients get marked as 'Deleted' even though they are part of an active policy.
2662754	On an HP system, media shared resource tree creation fails if the volume group size is greater than 64 megabytes.
2662992	The Job Collector fails to restart after a failure.
2663636	The nbrb call to ListMachineConfig() to read nbrb-specific configuration settings fails. The nbrb process does not honor the user-specified nbrb settings and uses the default settings.
2663639	Oracle exports fail with a status code 41 if too many columns are in the table.
2665453	Image Verify and Optimized Duplications from a PureDisk Deduplication Option storage unit fail while the storage unit reroutes. The following error occurs: "media open error (83)".
2665486	This fix enables the use of the touch file, USE_BACKUP_MEDIA_SERVER_FOR_RESTORE for restore jobs. The fix allows the media server that was used to perform the backup operation to be selected.
2668324	Oracle snapshot backups that use the Hitachi_ShadowImage method fail when there are more than 128 configured devices. The bprd process does not allocate enough buffer to handle a complete spec string while it sends to the XBSA process.
2670867	A Volume Shadow Copy Service (VSS) import on a common alternate client for two different hosts fails due to a VSS limitation in the ImportSnapshot. Tried to serialize the two processes at VxFI level.
2672447	A Sybase engine fails to use all physical processors that are available on the machine.
2672578	The Virtual Client Summary report lists the same client multiple times, and with 'Exists in Policy' equal to 'No'.
2673580	OpenStorage Direct Copy duplications of non-NDMP images can be corrupt under certain tuned buffer size settings.
2673742	'OpsCenter's 'Backup Log' data collection incorrectly skips some of the NetBackup Error Log records. As a result, the 'Drive Utilization' report does not report all the drive activity.
2674199	An error occurs while the following script is executed: "/usr/opensv/netbackup/bin/cluster/util/cluster_mvnbdb".

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2674385	A missing field in an image database fragment record causes NetBackup Vault to core dump because it tries to copy data from a NULL pointer.
2675034	With NetBackup Access Control (NBAC) enabled, a non-root user that does not have write permission in its home directory cannot log in and operate NetBackup.
2675339	The file system of a Linux virtual machine cannot be mapped, yet backups show a status code 0.
2675346	PowerShell commands time out when the Exchange Web Services (EWS) permissions of the admin user are checked.
2676032	The nbsl event queue becomes full if the job update influx is too large. This issue causes a job collection failure in OpsCenter.
2676500	The 'Rename hard links' and 'Rename soft links' functions do not work during a single file restore from a mapped FullVM backup.
2677495	Some VMware backups to MSDP fail and return status codes 13 and 84.
2677632	Simple Network Management Protocol alerts are logged, but they are not seen on systems with external tools.
2680044	Mapped FullVM backups intermittently report the following error: 'ERR - Unable to read next index. VFM error = 4109'. Virtual machines with multiple Windows installs do not map all volumes.
2680699	On Solaris, a Veritas Volume Manager disk group fails to map because of a lack of available space.
2680782	Long-running SAP backups fail with status code 6.
2681086	The bprd process tries to send a large xml file to the bpvutil process through the bpcd process. Changes have been made so that the bpvutil process can handle large files.
2681770	Half-inch Cartridge media is not reported correctly for Backup Exec.
2682953	High CPU utilization occurs if the bpgtconfig -s client name -l A command is called for a 6.5 client. The command waits for a response from the bprd process, which is trapped in an infinite loop because of corrupt data from the bpcd process.
2682994	The nbcatsync process does not recognize compressed image catalog files.
2683975	After an upgrade to NetBackup 7.1.0.3, high CPU utilization occurs from a number of bpdbm processes.
2684057	The nbsl process fails during a shutdown.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2684218	On a UNIX client, Bare Metal Restore fails when the media server is on a subnet other than that of the master and client servers.
2685232	An unnecessary statement has been removed that causes an error message in the log file.
2685598	The Commit_CallAtPostInstallDll custom action fails during a NetBackup client installation on Windows.
2686819	The nbsl process does not send the image updates that are subsequent to initial data collection for OpsCenter.
2687832	A restore on a Microsoft SQL clustered master database sporadically fails, although the master database is restored and recovered successfully. The SQL Agent interface fails when the SQL server connection properties are set.
2689373	Apache Tomcat 6.0.35 patch for NetBackup OpsCenter 7.1.x and version 7.5.
2689850, version 3, 2, 1	This fix addresses an issue related to the catalog and Disk Staging Storage Unit after an upgrade to the 7.5 release.
2689973	The nbstserv process fails sometimes while it stops. An ImpMgrDBPoller thread has been fixed that polls to update the import job statuses in the database.
2690308	A Network Data Management Protocol (NDMP) restore fails with status code 27 and a NetBackup tape manager core dump issue after the end of tape is detected.
2690734	This fix resolves an issue where the Content Router containers are not properly released to the OS when thresholds are reached.
2690849	A new synthetic schedule fails with a status code 200. The issue occurs because deleted schedules are not removed from the streams file.
2691423, version 1	7.1.0.3 EEB bundle for VMware. The bundle contains following Etracks: ET 2700841 ET 2670418 ET 2651598 ET 2651598 ET 2634978 ET 2694026 ET 2694027
2691902	A System State restore finishes with status 1 due to a GUID mismatch.
2692323	The database freezes and the dbsrv11.exe program does not terminate when services are stopped.
2694003	An unnecessary statement has been removed that causes an error message in the log file
2696232	The nbsl process fails when OpsCenter connects to it.
2697416	The NetBackup Job Manager core dumps in the Xerces library, which causes backups to fail with a status code 50.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2698501	A SharePoint redirected restore to another farm fails with license errors.
2698601	VMware backups of two larger Linux virtual machines intermittently fault the NetBackup Backup-and-Archive Manager (bpbkar).
2698772, version 2, 1	Prerequisite for using Replication Director feature with NetBackup 7.5.
2698773, version 1	This EEB is a prerequisite to use the Replication Director feature with NetBackup 7.5 General Availability.
2698895	A restore to an alternate path is successful, but the file is restored to its original location.
2699258	LIMIT_BANDWIDTH does not work as expected for Windows clients.
2699739	The "SeedMSG" does not get created during a successful restore.
2700371	During VMware backups, the nbpem process fails because an assert consistence check fails.
2701424	Node names are presented in an invalid format on Veritas Cluster Server (VCS) clusters with the Global Cluster Option (GCO), which prevents cluster installation.
2703802	Job Data Collection goes into a queued state.
2703874	AIX master server and media servers send DNS queries to the top www domain.
2704490	The script BMR-FirstBoot errors out to a command line. The issue occurs if it cannot communicate with the master server to update the task status and stays active for any reboots.
2704580	If the Windows Remote Administration Console is not connected to the first server on the list, it gives the following error message: '(46) server not allowed access'.
2704902	Oracle exports that run for a long time fail with a status code 41. The issue occurs if the Oracle user's .profile or .rc files have statements that write to STDOUT.
2705452	Cannot perform a backup with file mapping on a Linux virtual machine because the NetBackup Database Manager (bpdbm) crashes.
2705693	The console limit is 200 collectors per agent.
2705855	Simple Network Management Protocol traps are no longer sent after a server upgrade to Windows 2008 R2 x64.
2706969	Restore Audit Records should contain the alternate client restore information.
2707600	The FORCE_RESTORE_MEDIA_SERVER entry is not honored during a virtual machine restore from a set of backup images.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2708292	Fibre Transport Media Server configuration scripts nbftsrv_config and nbftserver have been modified to fix kernel identification issues for RHEL 5.x OS versions with patches.
2708799	A SharePoint 2010 backup fails with the following error: "status 13. ERR - failure reading file: Microsoft SharePoint Resources:\Services\SPUserCodeV4/Metadata".
2708817	Drive unloads may be unsuccessful when the drive is not ready in time. The access bit is still 0 at that time.
2709105	The nbfsd process receives the same in-progress image multiple times from the bpbdbm process.
2710406, version 2, 1	This is a bundle of NetBackup 7.5 Catalog EEBs.
2711805	Wildcard expansion does not sort the file list. As a result, a checkpoint restart job skips the files that get sorted before the CPR files.
2713034	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2713179	The master server enters a partially connected state when OpsCenter is unable to parse non-English localized messages that are returned from the Sybase database engine.
2714729	In the NetBackup-Java Administration Console, the password cannot be changed. This issue occurs when credentials of an existing configured volume client server are modified from the credentials node.
2714742	Cannot map volumes on one Windows virtual machine; VxMS shows errors; the backup and archive manager (bpbkar) shows "Found 0 virtual volume(s)" and does not map any volume.
2714761	Drives take too long to become ready for the access bit to be set to 1.
2715340	An XML export of an Oracle table fails if Oracle's reserved keywords are used as column names.
2715544	The bpbkar socket gets closed by the media server firewall when the bpstart_notify process runs for too long.
2715878, version 1	When an AIR import needs to be retried, the ImageWriteMetadata query freezes and causes EMM to freeze as well.
2715916	The bpererror process reports a client as the media server in a VMware Intelligent Policy that uses a query for client name selection.
2716950	VMware backups appear to hang after "Begin Writing" in the job details.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2717097	A non-root user cannot perform virtual machine restores from the NetBackup Java Administration Console with NetBackup Access Control (NBAC) enabled.
2717337	A restore on a Microsoft SQL clustered master database sporadically fails, although the master database is restored and recovered successfully.
2717447	NetBackup services do not shut down in a timely manner when an IP resource becomes unavailable.
2717950	OpsCenter's 'Low Available Media' alert policy counts only the media actively used by NetBackup and thus generates false alerts.
2718308	A NetBackup for Oracle restore fails after all the data is restored with a client read timeout.
2718315	Unable to connect to Backup Exec servers if the password contains HTML characters.
2719131	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.
2719194	After an upgrade to NetBackup 7.5 from version 7.1.0.3, most SLPs are not running. The logs state that the media servers are not accessible.
2721045	The NetBackup Policy Execution Manager (nbpem) intermittently becomes unresponsive to nbpemreq commands and may schedule jobs later than expected.
2722564	When browsing for NDMP backup entities in the NetBackup-Java Administration Console, the interface displays the spinning clock and hangs.
2724681	For the bpcd and bpbrm processes, backups fail with the following message: 'status: 229: events out of sequence - image inconsistency'.
2726414	The Java ViewBuilder does not sort the list of unassigned objects like Veritas Backup Reporter does.
2726431	Disk staging storage units fail with a status code 228 after an upgrade to 7.5. The policy execution manager logs state that migration is not complete even though it is.
2727495	Simple Network Management Protocol traps are no longer sent after a server upgrade to Windows 2008 R2 x64.
2727602	OpenStorage Direct Copy duplications of non-Network Data Management Protocol images can be corrupt under certain tuned buffer size settings.
2727932	Mail stub items created by the Zantas EAS archive product were restored as normal mail items, which led to problems using them. Stubbed zero-byte attachments were also not restored.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2728069	NetBackup services do not shut down in a timely manner when the IP resource becomes unavailable.
2729052	The script BMR-FirstBoot errors out to a command line. The issue occurs if it cannot communicate with the master server to update the task status and stays active for any reboots.
2730066	In some instances, snapshots are left behind.
2730113, version 1	SAN client backups fail with status code 83. Errors report that shared memory cannot be allocated and all shared memory slots (pipes) are active.
2731766	Drive unloads may be unsuccessful when the drive is not ready in time. The access bit is still 0 at that time.
2732224	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.
2732327	AIX master server and media servers send DNS queries to the top www domain.
2732347	If either UpdateBars or UpdateDatabase permissions are added to the Media Resource, a non-existent Up permission is also added.
2732786	The nbsl process fails during a shutdown.
2733375	A multiplexed restore hangs as soon as a request for files from a backup comes when the first file is at a previous position on the tape.
2734894	The lbc or bpcd process may cause an exception during a granular restore from duplicated backup images. This issue occurs because of certain special characters that the NetBackup client does not handle correctly when it sends to the catalog.
2735618	NetBackup OpsCenter issue.
2738005	The file system of a Linux virtual machine cannot be mapped, yet backups show a status code 0.
2738041	The bplinfo process core dumps when the user tries to get index server information.
2738043	The Zeta File System root pool fails to mount during a restore.
2738296	VMware backups appear to hang after 'Begin Writing' in the job details.
2739820	The policy Schedule tab in the NetBackup-Java Administration Console hangs whenever a user overrides the storage selection with an SLP.
2740694	NetBackup Service Layer issue.
2740977	In the Device Configuration Wizard after selecting a media server and just one NDMP host to scan, the resulting screen shows the robots that are connected to all NDMP hosts.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2741249	No data is restored from a network data management protocol backup. The bptm process exits with a status code 0.
2742272	Virtual machine backups with parentheses in the display name fail with a status code 26 when block level incremental backups are enabled in the policy.
2742386	High CPU utilization occurs because multiple nbproxies wait for a response from the bprd process. The process gets stuck while it parses the version file contents of a client host.
2743111	After an upgrade to 7.5, Exchange granular activity logs more at a bpconfig debug level of 0. The issue occurs even when the ncfbc folder does not exist.
2744371	The backup history cannot be browsed after a backup of MS SQL with special multiple FILESTREAM data containers.
2744407	LIMIT_BANDWIDTH does not work as expected for Windows clients.
2744480	Drive unloads may be unsuccessful when the drive is not ready in time. The access bit is still 0 at that time.
2744563	After an upgrade to 7.1.0.4, snapshot completions are slower.
2745114	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.
2745523	The Day Window parameter selection criteria does not work correctly in some combinations for a custom report.
2746427	Calendar schedules run multiple times if retry after run day is set and the backup window spans midnight.
2747595	A one-time script was created to clean up orphaned storage lifecycle policy images. The script is not included in any other release.
2748575	The NetBackup Backup-and-Archive Manager (bpbkar) crashes when it maps a Linux virtual machine.
2748607	For Solaris, a Veritas Volume Manager disk group fails to map because of a lack of available space.
2748951, version 1	Bundle of fixes for NetBackup 7.1.0.4 SAN Client Fibre Transport media server issues.
2749290	No data is restored from a network data management protocol backup. The bptm process exits with a status code 0.
2750023	Several NetBackup commands that execute during installation return unexpected status codes.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2750024	Folders or files with non-ASCII characters (UTF8) such as German letters with an umlaut fail to restore from the NetBackup-Java Administration Console.
2750798	The NetBackup 7.5 Windows Installers cannot import hosts from a list on Windows Server 2008 and later.
2751496	Permissions that are set individually by the bpnbaz command do not always work as expected.
2751543	Root users on UNIX and the users that belong to local administrator groups on Windows can modify NetBackup Security settings. They can modify the settings even when they are not in the NBU_Security Admin group.
2752620	In a DAG with three nodes A1 (prod), P1(prod), and P2(DR), if passive then active is selected as the database source for backups, and if the P1 node is down, than backups would occur from P2, which is at a DR site, resulting in WAN traffic.
2752754	The NetBackup resource broker (nbrb) process does not honor the customer-specified nbrb settings. Instead it uses the default settings.
2754057	An Exchange restore fails with status code 37 if a fully qualified domain name is used. The problem can be seen in the bpbkar and the bpfis process logs during the backup time where the fully qualified domain name gets appended twice.
2754142, version 6, 5, 4, 3, 2, 1	Backup using SQLINSTANCE \$ALL on SQL2008R2 server fails; Master database restore fails on MSSQL cluster setup,"Error encountered trying to read database images" while browsing images; TRXLOG backup aborted when TRXLOG and diff backup run simultaneously.
2754186	NetBackup Enterprise Vault Migrator has improved migration performance. NetBackup Enterprise Vault Migrator backups are 22 times faster than the previous NetBackup Enterprise Vault Migrator.
2754769	Attempts to change the media access ports (MAPs) for NetBackup Vault results in Media Manager status code 42.
2755281	OpsCenter data collection for Fat Pipe data collector fails for some NetBackup servers with the error "Unknown reason".
2757013	VMware backups appear to hang after 'Begin Writing' in the job details.
2760065	The nbcatsync utility does not recognize any images that are stored somewhere other than a directory named "db/images".
2760478	On Windows platforms, a performance issue occurs when backups are run with a number of bpbdbm processes with NetBackup Access Control set to ON.
2761973	The bprd.exe file does not delete Veritas Unified Log files in a Windows x86 environment.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2762120	Full Text (FT) catalogs in databases that are skipped by dbbackup cause the restore image browse session to fail.
2762728	If the Windows Remote Administration Console does not connect to the first server on the list, it gives the following error message: '(46) server not allowed access'.
2762849	The nbsl process fails during a shutdown.
2763529	On a Linux client with an encrypted file system, a Bare Metal Restore backup fails with a status code 1.
2764452	A NetBackup 7.5 upgrade fails because bpup.exe delays starting Sybase.
2765089	AIX master server and media servers send DNS queries to the top-level www domain.
2766310	An Exchange GRT restore failed to restore user mailbox with a display name containing '[' and ']'. and ']'.
2767301	The media server name is not displayed after a tape mount request alert.
2767420	VMware jobs fail with a status code 1001. XML files that exceed 256 kilobytes truncate when retrieved from a Sybase database. The Sybase odbc driver sets the default maximum data size to 256 kilobytes. If the data is too large, the limit is overridden.
2768959	A part of the Windows registry backup can fail but still report a status code 0.
2769014	In NetBackup 7.5, an OpenStorage Direct Copy to a tape no longer works.
2769435	If a stream finishes more than 30 minutes before the parent job terminates, the policy execution manager may fail.
2769723	On an AIX client with a volume group that has multiple disks, and logical volumes spanning multiple disks, a restore may fail after all disks are unmapped and then mapped back again with the "Keep original disks" option enabled.
2769725	During VMware backups, the nbpem process fails because an assert consistence check fails.
2769877, version 1	This is a bundle of Windows client fixes for NetBackup 7.1.0.4.
2769890	A part of the registry backup on a Windows client can fail but still report a status code 0.
2769980	Virtual machine data collection creates an additional entry for clients, even if the client already exists in the database.
2770016	An SQL query for retrieveDSSUMigrationState needs to be case-insensitive.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2770628	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2770725	VxMS does not map one of the two volumes in a Linux virtual machine.
2771250	The nbgre.exe program encounters a core dump issue while a granular restore for a document is performed in NetBackup 7.5.0.1.
2771679	VMware incremental backups to an MSDP storage unit fail with status codes 13 and 84 because the same byteoffset is read for the same file more than once.
2772323	A non-root user cannot perform virtual machine restores from the NetBackup Java Administration Console with NetBackup Access Control (NBAC) enabled.
2772490	The NetBackup Access Control configuration is erased after a 7.5.0.1 patch installation on Windows.
2774914	Bpbkar32.exe faults on rvpntfs.dll during Mapped FullVM backup.
2776037	Active Directory granular backups fail when cumulative or differential backups are performed.
2776057	Incremental Microsoft Distributed File System Replication (DFSRL) backups through the Shadow Copy Component path are forced into full backups.
2776250	The last file of an OpenStorage Direct Copy duplication of a non-NDMP image can be corrupt under certain tuned buffer size settings.
2776251	The last file of OpenStorage Direct Copy duplications of non-Network Data Management Protocol images can be corrupt under certain tuned buffer size settings.
2776319	The Restore button within the NetBackup-Java Backup, Archive, and Restore utility does not open the 'Restore Marked Files' dialog box after searching backups unless the resulting directory structure is expanded.
2776387	The percentage (%) option is not available for the success rate calculation in a custom report.
2776687	LIMIT_BANDWIDTH does not work as expected.
2777580	The OpsCenter-generated 'Mount Request' alert does not show the Media server name.
2777715	The NetBackup Enterprise Vault agent leaves the Vault Stores in backup mode for the entire duration of the backup. It should be quiesced as soon as the snapshot is taken.
2777756	A Virtual Machine Intelligent Policy query returns incomplete results.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2778989	This EEB has a modified nbftsv_config script for cases when the script creates duplicate entries in driver_aliases. The issue causes excessively long configuration times on a Solaris 10 SPARC Fibre Transport media server.
2779140, version 1	NetBackup 7.5.0.1 SAN Client Fibre Transport media server EEB bundle.
2780489	The SLP Parameters interface in the NetBackup Administration Console does not pick up previous retention values.
2780624	A Sybase engine fails to use all physical processors that are available on the machine.
2780752	Issues with the verification of Exchange images on a UNIX media server when the Exchange images contain log files for a database that total over 1 GB in size.
2780818	The NetBackup SQL Agent does not display backed-up images as sorted by date.
2780825	A corrupt .f file causes the bpflist command to consume system CPU and memory resources until the NetBackup Database Manager (bpdbm) process is killed.
2782219	After an upgrade to 7.1.0.4, snapshot completions are slower.
2782418	NetBackup Service Layer issue.
2782546	Unable to renew the credential obtained by the bpnbat -Login command. A new "-RenewCred [-cf file]" option is needed.
2782621	Bpbkar sends incorrect file size to bpbm which results in Media Manager waiting for additional blocks to be sent by bkar while bpbkar waits for bpbm to send completion status. This results in a hung backup job.
2782901	Performance and scalability issues with the PureDisk Deduplication Option (PDDO) metabase.
2783537	The bpstinfo -comparedbandstu command does not detect the images that are confirmed to be 'ONLY ON STORAGE' because it is unable to handle the PureDisk metabase basename structure.
2783940	A VMware backup hangs if the virtual machine is behind a firewall.
2785439	Image cleanup fails with status code 174 when "incompatible segment size 1" is found on a corrupt disk object.
2785499	Disk staging storage unit relocation jobs end with a status code 190 and "Skipping backup id 'backup ID', it does not contain data".
2785535, version 7, 6, 4, 3, 2, 1	NetBackup Policy Execution Manager (NBPEM) crashes when it runs VMware Intelligent Policy (VIP) backups.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2786954	The NetBackup 7.5 bpimagelist CLI omits automatic images for stream-based backups that lack fragments. The Netbackup image listing code was fixed to allow the listing of 0 fragment images created by the automatic schedule of stream-based DB backups.
2787723	No data is restored from a network data management protocol (ndmp) backup with remote ndmp. The bptm process exits with a status code 0, but the job freezes.
2788379	Handle the migration to the 7.5 NetBackup relational database (NBDB) of archived images correctly. Correct bpcatlist logic to properly report the images that are online or offline.
2788495	Due to the SF limitation of 18 maximum characters on Windows, unique import DG name functions end up careting the same name for almost matching hostnames on different source clients.
2788622	If the bpexpdate -recalculate command is executed without an additional -d or -ret switch after changing retention levels, NetBackup might incorrectly recalculate the new expiration date to occur some time in the past, and immediately expire the image.
2789162	The Images on Media report does not show correct information when KMS-based drive encryption is used.
2790067	Jobs are missing during NetBackup OpsCenter job data collection.
2790719, version 1	When a transaction log backup image for restoring from the SQL Agent is clicked on, the agent crashes.
2792244	Attempts to change the media access ports (MAPs) for NetBackup Vault results in Media Manager status code 42.
2792286	Solaris iSCSI host bus adapters (HBAs) do not work with NetBackup.
2792621, version 4, 3, 2, 1	OpenStorage Technology (OST) DirectCopy duplication jobs from Quantum DXi-series to tape fail with status 85 on the second fragment. The last file of OST DirectCopy duplications of non-NDMP images can be corrupt under certain tuned buffer size settings.
2792733	The nbftsvr_config script does not check for EFI partitions when it looks for grub.conf and does not use correct image file when running the mpp kernel.
2792796	KMS-encrypted backups do not update the KMS tag field in the image header in the catalog. The bpimagelist command output of a KMS-encrypted backup image shows the KMS key tag as NULL.
2794722	The nbsl process fails during a shutdown.
2795138	Orphaned .po files in the catalog generate false 'fakeFPCheck' messages.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2795505	'Folders or files with non-ASCII characters (UTF8) such as German letters with an umlaut do not restore properly from the NetBackup-Java Administration Console on a Windows client.
2795917	SharePoint objects cannot be enumerated using the Backup, Archive, and Restore interface if an extended ASCII character is used in the password for the NetBackup SharePoint credentials.
2796691	Prepare To Restore fails to properly load drivers for lsi_sas2.sys and megasas2.sys.
2796777	Cannot restore folders or files with non-ASCII characters (UTF8), such as German letters with an umlaut.
2796782	Cannot restore folders or files that have non-ASCII characters (UTF8), such as German letters with an umlaut.
2797031	NetBackup 7.5.0.1 VMware backups return status code 84 when sent to MSDP storage.
2797547	The 'PEM_USE_SAME_HOST_BY_NAME' environment variable is not honored. After the fix, the 'PEM_USE_SAME_HOST_BY_NAME' environment variable can be disabled to stop the alias name lookups.
2797723	A tmp file for Sybase grows too large.
2798823	OpsCenter's 'Backup Log' data collection incorrectly skips some of the NetBackup Error Log records. As a result, the 'Drive Utilization' report does not report all the drive activity.
2798954	The Tabular Backup Report does not filter on active policies.
2799152	The behavior of Expiration Manager (expmgr) was fixed so that it now takes into account all the nodes of the cluster which has the Disk Staging Storage Unit (DSSU) attached for the disk clean-up activity.
2799891	When using the NetBackup Administration Console to decrease the 'job priority' of active/queued jobs, the console loses job details and shows a "Not connected, check if services are up" message.
2800657	NetBackup Job Manager (nbjm) core dump issue.
2800797	OpenVMS backups fail with status code 229 for the NetBackup client service (bpcd) and the NetBackup Backup-and-Restore Manager (bpbm).
2802239	The NetBackup nbdecommission utility can core dump when bad characters are found in a disk pool name.
2802242	A SharePoint 2010 backup fails with the following error: "status 13. ERR - failure reading file: Microsoft SharePoint Resources:\Services\SPUserCodeV4/Metadata".

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2803245	Folders or files with non-ASCII characters (UTF8) such as German letters with an umlaut do not restore properly from the NetBackup-Java Administration Console on a Windows client.
2804973	A deadlock that is detected in SQL Anywhere leads to a NetBackup Database Manager (bpdbm) core dump issue.
2805156	Auto Image Replication issue where a replication occurs during a refresh. The replication triggers an import event on the target but its payload file has not been committed to the cache due to the previous cache refresh.
2806900	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2806917	NetBackup OpsCenter issue.
2807345	An Oracle RMAN partial restore on Solaris fails after the data is sent because of a timeout waiting for the final server status.
2807509	Storage lifecycle policy (SLP) duplications do not use Network Data Management Protocol (NDMP) direct copy.
2807759	The nbgre.exe program crashes while a granular restore for a document is performed.
2808183	Exchange Granular Recovery Technology (GRT) backups end with a status code 1.
2808424	The SharePoint 2010 granular backups failed with status 1.
2808669	NetBackup OpsCenter Reports issue.
2809569	OpsCenter incorrectly invokes the bpretlevel command while collecting data from a NetBackup 6.5.x master server.
2809760	The NetBackup job daemon (bjjobd) tags successful catalog image cleanup jobs as ABANDONED with status activity monitor status 50.
2810453, version 1	EEB bundle of ETs 2780818 2410258 2182602 2653114 2762120 2687832 2249223.
2810891	Active Directory granular backups fail when cumulative or differential backups are performed.
2811230, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
2811916	The creation of a logical volume never completes on a Red Hat Enterprise Linux (RHEL) 6.2 client during Bare Metal Restore (BMR) recovery time.
2812351	NetBackup OpsCenter issue.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2813345	When MS SQL server database batch files are run, at least one database fails on each server when the VDI timeout is reached.
2814178	NetBackup OpsCenter Alerts issue.
2815287	Cannot perform a backup with file mapping on a Linux virtual machine because the NetBackup Database Manager (bpdbm) crashes.
2815395	NetBackup OpsCenter issue.
2815697	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2817435	The Quantum plug-in returns a short read when a read is issued on an offset that is not aligned to the 256K boundary.
2817753	Problem creating an ATT cloud storage server when the Logical Subunit (LSU) object is not available.
2818069	This EEB addresses memory leaks in the NetBackup Enterprise Media Manager (nbemm) process.
2818297	NetBackup Java User Interface issue.
2818305	If the media server is behind a firewall, a backup can fail when it takes a long time due to timeouts on the data socket.
2818929	Active Directory granular backups fail when cumulative or differential backups are performed.
2819788	KMS-encrypted backups do not update the KMS tag field in the image header in the catalog. The bpimagelist command output of a KMS-encrypted backup image shows KMS key tag as NULL.
2819853	For Fibre Transport (FT), the AIX cfgmgr command may fail to discover the FT ARCHIVE Python target devices that are presented by the NetBackup appliance.
2820447, version 2, 1	NetBackup OpsCenter shows the wrong tape drive state for the drives that are attached to an inactive cluster node of Veritas Cluster Server (VCS).
2820840	In NetBackup 7.5, a differential incremental catalog backup may not back up all of the data that it should.
2823072	On Windows, SAP backups of files larger than 4GB fail.
2823451	Virtual Machine Intelligent Policy VMware jobs fail with status codes 196 and 200 when the parent starts before midnight and the child attempts to run after midnight.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2823643	Expiring compressed images fails to remove the compressed file's file data.
2823784	NetBackup OpsCenter View Builder issue.
2824058	NetBackup Java User Interface issue.
2824075	VMware backups fail with status code 6 after an upgrade to NetBackup 7.5.0.x because the VDDK path to pick DLLs was not loaded.
2824098	Communication issue between PureDisk and NetBackup storage server API.
2824456, version 1	Detection of the exit status after client-initiated Microsoft SQL jobs. Allow users to add a keyword to Microsoft SQL Server backups.
2824762	Active Directory granular backups fail when cumulative or differential backups are performed.
2825320	The nbgre.exe program crashes while a granular restore for a document is performed in NetBackup 7.5.0.1.
2825330	An alternate farm restore of a web app fails with the following tar error: "0xE000FE3C Before you can back up this resource, you must purchase and install a license key for the appropriate Backup Exec agent".
2825411	The GRT restores of emails that have been archived using Enterprise Vault are not restored with the correct Message Class property.
2825590	VMware backups that use multiplex with load balancing option fail with status 58.
2825685	In NetBackup 7.5, a differential incremental catalog backup may not back up all of the data that it should.
2825785	Restores of Hitachi NDMP data from a Quantum DXi device that uses the OpenStorage (OST) solution fail to read image and report status code 85.
2827326	Restoring to an alternate database causes a check for the original file system drive letter on the target system. This check is not needed and can fail the job.
2827460	When a listing of backups is performed with the NetBackup MS SQL Client, a pop-up message is presented that states "Error encountered trying to read database images". When the date range is shrunk, a list of backup images is presented.
2827485	Duplication jobs end with status code 190 and the following message is reported in logs: "Skipping backup id 'backup ID', it does not contain data".
2827505, version 2, 1	The NetBackup Policy Execution Manager (NBPEM) core dumped as one of its components waited for the last backup data call to finish and another component terminated the child job.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2828281	Status 84 errors fixed and client-specific debugging provided.
2829051	An Exchange 2010 GRT restore does not correctly set the attributes of messages. That occurs because the EAS stub is not set.
2829119, version 3, 2, 1	A differential incremental catalog backup may not back up all of the data that it should. Expiration of the compressed catalog images does not delete the compressed catalog data.
2830369	When the nbdeployutil utility capacity report is run against multiple master servers, the Summary tab has incorrect values for capacity figures.
2831181	The NetBackup Job Manager (nbjm) may sometimes encounter a core dump issue when NetBackup Access Control (NBAC) is enabled.
2832342	After an upgrade to NetBackup 7.5.0.3 from version 7.1.0.4, multiple NetBackup Database Manager (bpdbm) processes appear to use excessive CPU time.
2832647	The Images on Media report does not show correct information when KMS-based drive encryption is used.
2833122	During Windows push installs, specifying a custom service account causes the account to not be granted the 'log on as a service' privilege on remote hosts. As a result, services do not come up following installation.
2833187	On Windows with NetBackup Access Control (NBAC) enabled, anyone who is a part of local security administrators groups automatically gets rights to modify NetBackup security settings.
2833456	Some VMware backups to MSDP fail and return status codes 13 and 84.
2833549	Disk storage units are not cleaned up properly, even though image duplications are done and the images are swept.
2834231	The Images on Media report does not show correct information when KMS-based drive encryption is used.
2834734	The NetBackup Capacity Licensing report shows the wrong size after an upgrade to NetBackup OpsCenter Analytics 7.5.0.1.
2834967	NetBackup Java User Interface issue.
2835124	The bpbkar process on an alternate client reads from the local drive instead of the snapshot volume for an off-host alternate client backup. This issue occurs when the source client and the alternate client have the same drive letter as the data volume.
2835941	The bpVMreq program does not run under a non-root account.
2836252	NetBackup Service Layer issue.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2836564	Auto Image Replication issue where a replication occurs during a refresh. The replication triggers an import event on the target but its payload file has not been committed to the cache due to the previous cache refresh.
2836629	Issue with low deduplication rates on Network Data Management Protocol (NDMP) EMC client backups that have files with an Alternate Data Streams (ADS) header type.
2836642, version 1	OpenStorage (OST) direct copy duplication jobs from Quantum DXi storage devices to tape fail with status 85 on the second fragment. The last file of OST direct copy duplications of non-NDMP images can be corrupt under certain tuned buffer size settings.
2837588	Exchange database availability group (DAG) GRT restores for certain mailboxes fail with the following error: "can't find e-mail addr".
2837758	NetBackup Java User Interface issue.
2837865	NetBackup OpsCenter Custom Reports issue.
2838857, version 4, 3, 2, 1	Problems with '196 error' even though backup window is not closed. Calendar schedules rerun multiple times within the backup window.
2839225	Storage server reset has issues of event from PureDisk.
2839340	Unusual DNS queries to the top domain occur on AIX 5.3 and 6.1 when NetBackup is running.
2839925	The bpfis process on an alternate client fails with a socket error.
2841676	When using the NetBackup Administration Console to decrease the 'job priority' of active/queued jobs, the console loses job details and shows a "Not connected, check if services are up" message.
2842356	The nbac_cron -SetupCron command fails with the following error: "nbuadm.crat: No such file or directory".
2842604	When you attempt a restore of a virtual machine, the NetBackup Java Administration Console fails to browse the data stores and does not return any data.
2842657	On Linux, if an extended partition is present, then after an 'unmap all and map' operation, the partition gets set to W95 Ext'd (LBA).
2842910	Storage lifecycle policy (SLP) duplications do not use Network Data Management Protocol (NDMP) direct copy.
2843138	NetBackup OpsCenter Alerts issue.
2845277	Image cleanup fails with status code 174 when "incompatible segment size 1" is found on a corrupt database object that is associated with the .info file.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2845830	The NetBackup Capacity Licensing report displays the wrong size.
2846239	When FULL type MS-SQL server database batch files are run, at least one database fails on each server when the VDI timeout is reached.
2846809	Multiple jobs hang when Fibre Transport is used. The jobs hang with the following entry seen in the bptm process or plug-in log: "Enter into sessionFCSetup: CR session ip xxx.xxx.xxx.xxx". Eventually the concurrent job limit is reached and blocks all jobs
2847177	NetBackup OpsCenter Custom Reports issue.
2847745	On a Linux client that has an encrypted file system, a Bare Metal Restore backup fails with status code 1.
2848043	The bpvmutil process crashes while it browses vCenter to select virtual machines for the policy.
2848281	NetBackup OpsCenter issue.
2848883	NetBackup OpsCenter Data Collection issue.
2848890	SQL Server backups are successful, however, bphdb reports errors and dbbackex.exe crashes with c0000005 (access violation).
2849844	Synthetic backups using SLP storage do not use the correct image retention period.
2851012	The backup images that have KMS encryption enabled do not list the encryption key tag in reports.
2851032	The Images on Media report does not show correct information when KMS-based drive encryption is used.
2851098	With NetBackup Access Control logging enabled, jnbSA displays Backup, Archive, and Restore interface as nbazd dumps core on login.
2851412	Issues can occur with TIR fragment duplication if a fragment is larger than 2 GB in size.
2851888	Wildcard expansion does not sort the file list. As a result, a checkpoint restart job skips the files that get sorted before the CPR files.
2851981	NetBackup Job Manager (nbjm) core dump issue.
2852225	Memory unaligned data members in structure caused a SIGBUS failure.
2853179	Bpdbm crashes on certain corrupt catalog files.
2853409	Setting the snapshotprovidertype backup option on a 32-bit Windows client does not change the provider at backup time.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2854954	Issue with low deduplication rates on Network Data Management Protocol (NDMP) EMC client backups that have files with an Alternate Data Streams (ADS) header type.
2855910	Cannot perform a backup with file mapping on a Linux virtual machine because the NetBackup Database Manager (bpdbm) crashes.
2856434	Accelerator backups fail if the file size is between 2032 MB and 2047 MB.
2856652	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console incorrectly shows all backup media instead of showing only the media that is required to restore the selected files or directories.
2857559	The SLP Parameters interface in the NetBackup Administration Console does not pick up previous retention values.
2858130	Optimized duplications failing with error code 174 because of two .info files being present. The second .info file appears due to a case-sensitivity issue on the duplication resulting entries on the destination pool being stored in upper and lowercase.
2858615	Issues exist with allowing an alternate read server to be included in an SLP with optimized duplication-capable devices even though that server is not used. This behavior is by design. MDS should determine which media server runs the optimized duplication
2860243	The NetBackup Storage Lifecycle Manager (nbstserv) service does not start after an upgrade to NetBackup 7.5.0.3.
2860482	The LIMIT_BANDWIDTH parameters do not limit as expected for Windows clients.
2861752, version 1	When a transaction log backup image for restoring from the SQL Agent is clicked on, the agent crashes.
2862297	NetBackup Service Layer issue.
2862841	NetBackup Service Layer issue.
2863709	If the system has more than 110 IP interfaces, then legacy NetBackup daemons fail to register with Private Branch Exchange.
2863834	Policy views are not listed in the view filter for OpsCenter Custom Reports.
2864075	With NetBackup Access Control (NBAC) enabled, anyone who is a part of local security administrators groups automatically gets rights to modify NetBackup security using the command line by logging in as local host.
2864629	An Exchange 2010 GRT restore does not correctly set the attributes of messages. That occurs because the EAS stub is not set.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2864713	Backups fail when a file "NULL" exists on the file system.
2864973	Hyper-V backups would fail with a status 156 and a status 1542.
2865123	The <code>bpdbm -consistency</code> command experiences a core dump issue when it encounters image corruption.
2865313	An incorrect RMLIB is being loaded by 64-bit NetBackup due to hardcoded libpaths used during <code>dlopen()</code> . The path was modified to refer to 64-bit Solaris version of RMLIB.
2865861	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
2866591	The <code>bpsetconfig</code> command does not preserve a symbolic link path to the <code>bp.conf</code> file.
2867207	Network Data Management Protocol (NDMP) restores hang when using media server drives.
2867910	Module <code>rvpntfs.dll</code> or <code>ntdll.dll</code> causing the NetBackup Backup-and-Archive Manager (<code>bpbkar</code>) to fault during virtual machine backups.
2868293	Long-running image cleanup jobs (more than 60 minutes) get flagged as abandoned in the job activity monitor, even though cleanup was successful.
2868381	A one-time script was created to address an issue with image cleanup. The script will not be included in any other release vehicle.
2869070	The NetBackup Administration Console for Windows shows an incorrect number of unique clients.
2869708	A one-time script was created to address a negative disk pool size. The script will not be included in any other release vehicle.
2869805	The <code>bmprep</code> process creates an empty <code>diskdata</code> file for a RedHat 4.8 client.
2870110	If simultaneous duplications of Exchange GRT backups are initiated from a staging disk storage unit (DSU), one of them fails with status 191.
2871441	Added SLES 10 SP4 drivers for Fibre Transport Media Server.
2871476	Solaris SAS-2 host bus adapters (HBAs) do not work with NetBackup.
2872233	Optimized duplications failing with error code 174. The issue appears to be a case-sensitivity issue on the duplication. Results in component entries on the destination pool being stored in upper and lowercase.
2873363	A PureDisk Deduplication Engine (PDDE) package is not upgraded when NetBackup 7.5.0.3 is installed.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2873735, version 1	NetBackup Policy Execution Manager (NBPEM) bundle: contains various fixes related to performance issues and process crashes.
2873943	When backing up a UNC path on a NAS device from a Windows 2003 NetBackup client, performing an incremental backup immediately after a full backup results in another full backup when True Image Restore with Move Detection is enabled.
2874026, version 1	The NetBackup Policy Execution Manager (NBPEM) core dumps during an Exchange backup for an Application Protection-enabled job.
2874098	Tabular reports show columns in a different order every time when they are emailed.
2875138	AIX master server and media servers send DNS queries to the top www domain.
2875719	Duplications for FULL VMware backup images are partially successful and reporting 'Error unlocking backupid'.
2876244	This EEB corrects issues where VMware incremental backups to MSDP storage unit would fail with status 13 and 84 due to saving extents on an embedded file.
2876322	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console incorrectly shows all backup media instead of showing only the media that is required to restore the selected files or directories.
2876501, version 1	SLP EEB bundle for NetBackup 7.5.0.3.
2878491	Hyper-V backups would fail with a status 156 and a status 1542.
2878591	Optimized duplications failing with error code 174 because of the case-sensitivity issue for duplication. The issue results in component entries on the destination pool being stored in upper and lowercase.
2879211	Windows push installations fail during Virtual File Filter (VFF) driver installation.
2879821	On a UNIX client, Bare Metal Restore (BMR) fails when the media server is on a different subnet than the master server and clients.
2879881, version 1	Synthetic backups do not get scheduled when the previous backups that are needed to form the synthetic backups are not found.
2880341	NetBackup OpsCenter Reports issue.
2881600	NetBackup OpsCenter Data Collection issue.
2882171	On a Windows x86-32 master server, processing of very large Network Data Management Protocol (NDMP) image (greater than 50 million files) for verification, duplication fails with status code 220 and "memory map failed."

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2882702	The restart jobs action looks for 'delete' permission. Restart fails if 'delete' permission is not granted to the jobs object even though a restart permission is granted.
2883301	Client name contains a space (most commonly found with VMware guest names) which causes nbrmms.exe to crash every 3-5 minutes on the target MSDP media server. Consequently, Auto Image Replication Imports never run.
2883669, version 3, 2, 1	The backup jobs that queue across the midnight hour (calendar schedule) that then fail, do not retry.
2884702	When several state files are present on the master server, snapshot cleanup takes a long time to complete.
2884775	NetBackup Policy Execution Manager core dumped as one of its components waited for the last backup data call to finish and another component terminated the child job.
2886224	In some cases during a Network Data Management Protocol (NDMP) restore, a NetBackup Tape Manager (bptm) core dump issue occurs after end of tape is detected.
2886257	SAP backups of files larger than 4GB fail.
2886696	VMware backups to deduplication storage fail with Status 13/84. Type 6 84/13 on VMware backups to MSDP/any deduplication option.
2886785	NetBackup Service Layer issue.
2886811	A one-time script was created to address an issue with machine configuration. The script will not be included in any other release vehicle.
2887060	The Variance Reports are enhanced to support incremental jobs, deduplication jobs, and fractional variance values.
2887372	NetBackup 7.5 bpimagelist omits automatic images for stream-based backups that lack fragments.
2892912	An option is requested to set the number of times a snapshot is re-attempted.
2893439	Cannot browse the backup history after a backup of the MSSQL is performed with special multiple FILESTREAM data containers.
2895055, version 1	There are issues with VSS snapshots and 156 errors.
2895476	A backup of an Enterprise Vault partition that resides on a volume mount point fails with status code 71.
2896008	Windows\SYSVOL files do not get properly restored during Bare Metal Restore recovery.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2896508	This EEB addresses memory leaks in the NetBackup Enterprise Media Manager (nbemm) process.
2897157	This binary causes bpfis to communicate with bpbrm with every retry. If a job is canceled on the master server, the next attempted snapshot causes bpfis to start to shut down.
2897642	Database backups fail in bpdbrm with the following message: "16 ReadVxDBMS_ConfFile: Cannot acquire lock path_to_lock vxdbms_conf.lock, problem:-1, error:(No such file or directory) 2".
2898214	OpsCenter database process (dbsrv11) is consuming nearly 100% of CPU on multiple processors.
2898741	In NetBackup 7.5.x, if retain snapshot is enabled and a snapshot exists from previous backup, when bpfis verify is triggered due to a policy change, the policy validation operation may fail.
2899844	The job daemon service (bpjobd) tags successful catalog image cleanup jobs as ABANDONED with the status activity monitor status 50.
2901119	A catalog cleanup job that runs for more than 60 minutes is flagged as abandoned (status 50) in the activity monitor.
2902839	NDMP restores are failing consistently with 'unimplemented error code 114'.
2903182, version 1	When attempting to browse backup images from one virtual SQL server, dbbackup.exe crashes with an access violation.
2903307	Create snapshot takes long time with non-default port.
2903596	OpsCenter's 'runstoredquery.bat' command line utility adds an extra trailing comma to the output when the report data gets exported in the Comma Separated Value (CSV) file format.
2903819	NetBackup OpsCenter issue.
2904606	When the priority of a queued or active job is changed, the STATE field of the job becomes blank and gets updated only when the job moves to the next STATE.
2906025	If BATCHSIZE is set to larger than 2, dbbackex.exe crashes with an access violation.
2906797	Auto Image Replication duplications do not import properly. The issue causes orphan images by looking for the event payload in the metabase if not found in the cache and eliminating extra cache refreshes.
2907417	Storage server reset has issues of event from PureDisk.
2909247	Bpdbrm crashes after failed synthetic backups.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2909871	The tapes are not imported into the robot and inventoried automatically when the AUTO_UPDATE_ROBOT touch file is set.
2910415	Memory corruption occurs in bpbkar during media server copy. The issue is identified through out of scope memory access or a dangling pointer that is accessed and initialized after a free call in a previous iteration.
2911731	NetBackup Service Layer issue.
2912729	An unexpected error was encountered when the 'nbac_cron -SetupCron' command was run.
2912901	Windows push installations fail during Virtual File Filter (VFF) driver installation.
2915992	The image cleanup job is marked as abandoned in the Activity Monitor if it runs more than 60 minutes.
2916230	Attempts to restore some individual files from a Hyper-V backup fail.
2916262	The bpvmutil process crashes during a VMware backup.
2916430	A 'BUS_ADRALIN' core dump issue occurs with the backup and archive manager (bpbkar) due to unaligned memory access.
2917618, version 1	NetBackup Policy Execution Manager (NBPEM) bundle: multiple fixes related to VMware intelligent policy (VIP) backup failures and others.
2917706	The Backup, Archive, and Restore interface does not show the volume path if the volume has a period (.)in name.
2917954	Cleaning tapes do not unload after cleaning is complete if the robot does not set the drive access bit to 1.
2918205	The KMS tag is not displayed in the Windows or Java interfaces, even though it is displayed in bpimmedia/bpimagelist.
2918691	On startup, the SQL Agent interface is unable to retrieve SQL server properties from the registry to create an Open Database Connectivity (ODBC) connect string.
2920362	After an upgrade to 7.1.0.4 with NetBackup Access Control (NBAC) enabled on Windows, access denied errors are presented.
2920972	Linux media boot restores fail if ICMP is disabled on the network.
2921761, version 1	Contains a group of fixes for MSDP package not properly installing when NetBackup 7.5.0.3 is applied and other PDDO reliability issues.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2921811, version 1	Backups with multiple copies can have the wrong expiration date when copy 1 has a later expiration date than the other copies.
2921893	The command <code>bpexptime -deassignempty -force</code> fails if one of the media fails to deassign, which then causes all to fail to deassign.
2924638	On startup, the SQL agent interface is unable to retrieve the SQL server properties from the registry in order to create an Open Database Connectivity (ODBC) connect string.
2924806	Path validation fails if there are wildcards, directives, or keywords for SharePoint or Exchange and those entries are skipped. Index and backup from snapshot fails for alternate host scenario.
2924809	NetBackup Java User Interface issue.
2925091	Credentials containing '\Xyy' get converted to special characters (hex equivalent) in <code>bpVMutil</code> and therefore they fail authentication.
2925102	When you attempt a restore of a virtual machine in the NetBackup Java Administration Console, the 'Change' button fails to bring up a list of ESX servers. Instead, it shows an error message.
2925327	<code>Bpdbm</code> and <code>nbstserv</code> run slow and/or consume 100% CPU.
2926164	High CPU consumption by the NetBackup Database Manager (<code>bpdbm</code>) occurs when NetBackup Access Control (NBAC) is enabled and a lot of user jobs are initiated at the same time.
2926499	Storage server reset has issues of event from PureDisk.
2926500	Auto Image Replication issue where a replication occurs during a refresh. The replication triggers an import event on the target but its payload file has not been committed to the cache due to the previous cache refresh.
2926582	The schedule recalculation after image expiration can skip a day.
2926792	Auto Image Replication imports consistently fail with status code 191.
2926887	The 'Tapes Expiring Now' report displays an error when it is run after you remove a column from the reports display.
2927983	Duplicate mount points in an NDMP policy can lead to failed restores.
2928051	Multiplexed Network Data Management Protocol jobs hang.
2928342	Excessive Accelerator track log growth occurs on 32-bit Windows clients when a suspended checkpoint-restart job is resumed.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2929433, version 5, 4, 3, 2, 1	This is a bundle of fixes and improvements for Automatic Image Replication when used with deduplication.
2929594	The Virtual Client Summary Report incorrectly displays virtual machine IP addresses instead of host names.
2931076	Improvements were made to image fragment query performance.
2931422	VMware backups for various Red Hat Enterprise Linux servers fail with error 'db_FLISTsend failed'.
2931949	If the system has more than 110 IP interfaces, then legacy NetBackup daemons fail to register with Private Branch Exchange.
2932703	An Exchange database availability group (DAG) redirected restore to recovery database fails with the error 'MS-Exchange-Server policy restore error(2810)' because the restore looks for the path from where the backup was done.
2933044	VMware Backups are hung up in the beginning during the 'IsSystemBootedUsingEFIFirmware()' call, causing backups to fail with Status 41.
2934089	Bpbkar sends incorrect file size to bpbrm which results in Media Manager waiting for additional blocks to be sent by bkar while bpbkar waits for bpbrm to send completion status. This results in a hung backup job.
2934312	VMware backups fail with status 196 due to delays in getting the last backup data.
2935511	Setting a storage lifecycle policy (SLP) storage unit across multiple policies appears successful but it has changed to empty. When you change the storage unit from SLP to disk STU, the interface shows error: "status:223 an invalid entry was encountered".
2935722	In some cases when a snapshot job is canceled, the snapshot process continues on the client.
2935809	A catalog backup runs much slower than a standard backup of the same data.
2936080	Retention Level is reported incorrectly by the NetBackup Administration Console for inline copy when the copy spans to another tape.
2936258	An attempt to create a point in time configuration for a Windows client fails with status 114.
2936380	Allows restores of VMs even if there are no networks returned from the VM query.
2936555	An Exchange 2010 DAG directive that uses an asterisk wildcard selects too many databases via bpresolver.
2936751	Unable to create an ATT cloud storage server using the wizard.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2937175	A clustered NetBackup 7.5 master server installation fails on Windows 2003 x86 within a Microsoft Cluster Server (MSCS) environment.
2937818	Status code 1001 is reported for VMware backups using VIP policy. The issue is due to a failure in the NetBackup Policy Execution Manager (nbpem) in reading an XML message of length greater than 256KB from a Sybase database.
2938527	NetBackup Service Layer issue.
2939805	The disk storage units are not cleaned up properly even though the image duplications are done and the images are swept.
2939816	The job daemon service (bpjobd) tags successful catalog image cleanup jobs as ABANDONED with the status activity monitor status 50.
2940636	Bpjobd tags successful catalog image cleanup jobs as ABANDONED with status activity monitor status 50 when the job runs for more than 60 minutes.
2941256, version 7, 6, 5, 4, 3, 2, 1	This is a bundle of fixes and improvements for Automatic Image Replication when used with deduplication.
2941748	ZFS config prevents recovery of the entire system if the mount point value is 'legacy' or 'none'.
2942423, version 1	A restored virtual machine cannot boot up and reports the following error: "A Disk Read Error Occurred, press CTRL+ALT+DELETE to continue."
2942560	On the RHEL6U3 client, due to changes in the lvdisplay and dmsetup command output, BMR backup (and sometimes restore) fails.
2943335	VMware backups that use multiplex with load balancing option fail with status 58.
2943386	Unable to create an ATT cloud storage server using the wizard.
2944946	On NetBackup 7.1.0.4, bpfis gets stuck intermittently in WaitForFilterUpdates and never finishes.
2945098	Storage Unit Group round-robin selection algorithm does not perform as round-robin.
2946053	Phase 2 of the import using the 'fix_encrypt' option fails in tar with status code 13.
2946684	The bpverify command reports failure on UNIX media servers when the backed-up file names include carriage returns.
2946704	If, while one component of the Policy Execution Manager (nbpem) waits for the last backup data call to finish, and another component terminates the child job, nbpem ASSERTs in CompoundJob::run.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2946718	Network Data Management Protocol (NDMP) restores fail consistently with 'unimplemented error code 114'.
2946947	Network Data Management Protocol (NDMP) restores fail consistently with 'unimplemented error code 114'.
2947555, version 3, 2, 1	This is a bundle of fixes and improvements for Automatic Image Replication when used with deduplication.
2947677	The NetBackup Job Manager binary service (NBJM) does not select the cluster interface to communicate from when certain media servers request resources, which causes status 811 failures.
2948427	After the upgrade to OpsCenter 7.5.0.3, various OpsCenter reports show the IP addresses of virtual machine clients instead of the host names.
2948522	A Network Data Management Protocol (NDMP) tapes import ends with error 220.
2948740	A Storage Lifecycle Policy with snapshots fails if the client is at back level (before 7.5).
2949567, version 3, 2, 1	Fixes in NetBackup policy execution manager (nbpem) for memory leak. Symptoms includes nbpem stops and starts without generating a core.
2950203	The bmrprep process creates an empty diskdata file for the RedHat 4.8 client.
2950392	On the RHEL6U3 client, due to changes in the lvdisplay and dmsetup command output, BMR backup(and sometimes restore) fails.
2950460	The Virtual Client Summary Report incorrectly displays virtual machine IP addresses instead of host names.
2950805	A Single File Restore of a FlashBackup did not restore with status 0 in a certain condition.
2951479	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console fails to show the tapes that are needed for a restore. It instead presents an error message pop-up window.
2951780	The bpresolver process takes a long time to respond when backing up an Exchange 2010 Database Availability Group.
2951943	An Exchange 2010 DAG directive using an asterisk wildcard selects too many databases via bpresolver.
2951960	When you attempt a restore from a Distributed File System Replication (DFSR) backup, the NetBackup Java Administration Console does not browse or show files correctly.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2952065	The bpbkar process sends incorrect file size information to the bpbmr process which results in Media Manager waiting for additional blocks to be sent by bpbkar while bpbkar waits for bpbmr to send completion status. This results in hung backup job.
2952408	In OpsCenter version 7.5.0.3, 'Add comment' pop-up window for adding a comment to alerts, does not focus the text box inside it by default.
2954084	ZFS config prevents recovery of the entire system if the mount point value is 'legacy' or 'none'.
2954511, version 5, 3, 2, 1	Some Automatic Image Replication imports fail with the error 'fragment already exists'.
2954551	Incremental backups fail with status 84 on Linux virtual machines when Media Server Deduplication Pool is used.
2954756	This binary fixes memory leak issues reported in the NetBackup Enterprise Media Manager (nbemm) process.
2954958	Fixes the compaction issue in crchk where compaction fails if CRC error .bin file. Also fixes Content Router Queue Processing race condition between DEL and MARK_CORRUPT spooler entry causing 'fingerprint doesn't exist' errors in cache during the CRQP.
2955271	Oracle backups intermittently hang after they are activated and write data for 10+ minutes, which results in the bptm receive queue filling up and not emptying.
2955469, version 1	The bpbkar process crashes doing an Oracle proxy copy VxVM snapshot backup. An SLP-based off-host snapshot fails with status 49 and 43. Snapshot creation fails with 'pfi_find_active: Cannot find available snapshot'.
2956198, version 1	VMware backups fail with 'status 196' nightly due to a very long backlog of requests to get the last backup data.
2956310	OpsCenter data purging is changed so that it purges image records based on the expiration date of images. In previous versions of OpsCenter, image data purges were tied to job data purge settings.
2957733	An issue with AUTO_UPDATE_ROBOT where the robot mailslot changes would not be recognized.
2957751	Backups can fail due to Error Database (errorbdb) .lock contention on a busy Master server.
2957776	NetBackup Service Layer issue.
2958278	When several VMware snapshot state files are present on the Master server, snapshot cleanup takes a long time to complete.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2958674	A one-time script was created to address an issue with deleting a client alias. The script will not be included in any other release vehicle.
2959750	In the tabular reports that are created using the Custom Reports Wizard, the 'Image Fragment Size' column always displays 0 (zero), even when the corresponding backup job is successful.
2961274	Image cleanup is not able to clean up the backup images that reside on the node of 'APP_CLUSTER'.
2961697	Multiplexed backups of VMware clients import as 'VM_Type 0' instead of 'VM_Type 2'.
2961971	On HP/UX IA64 11.31 clients, the bmrsavecfg process changes the owner/group settings of existing disk special files.
2962424	At the source, if the retention is set to 3 days for replication to a remote master, then at the target the retention is always set to one week.
2962480	The KMS tag is not displayed in NetBackup Administration Console reports.
2962978	With NetBackup Accelerator enabled, all backups of Shadow Copy Components (SCC) are forced as full backups. A Distributed File System Replication (DFSR) backup by SCC path is always a full backup.
2966213	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console fails to show the tapes that are needed for a restore. It instead presents an error message pop-up window.
2966256	Bare Metal Restore (BMR) experiences occasional problems where the 'bpbrm -collect_bmr_info' command hangs on Windows media servers even though the import process completes successfully.
2966284	With NBAC enabled, some jobs fail intermittently and the JobID does not appear in the Activity Monitor. The NetBackup Policy Execution Manager (nbpem) logs indicate that the JobID may be lost due to communication problem with NetBackup Job Manager (nbjm).
2966680	Unable to recover Linux clients with a bnx2x adapter (Broadcom NetXtreme II 5771x/578xx 10/20-Gigabit).
2966787	The Bare Metal Restore (BMR) Client Configuration Backup Failure report is not always accurate.
2966954	A one-time script was created to address grant EMM_MAIN permissions to update DBM_MAIN Client keys. The script is not included in any other release vehicle.
2967364	OpsCenter's 'Backup Log' data collection incorrectly skips some of the NetBackup Error Log records. As a result, the 'Drive Utilization' report does not report all the drive activity.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2967780	Backups can fail due to Error Database (errordb) .lock contention on a busy Master server.
2967948, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
2968146	A one-time script was created to address an issue with deleting a disk pool. The script will not be included in any other release vehicle.
2968147	Issues with 100% CPU utilization on Linux when virtual machines are restored.
2969026	For NetBackup 7.5.0.4, if a customer tries to perform a Prepare To Restore operation on SFW clients using the FastBoot Shared Resource Tree on a Windows 2008/2008R2 system, an error occurs during disk discovery.
2969133	Microsoft SQL restores fail with the following error if the media server is running Windows and the restore takes longer than one hour: "restored image image_name - (socket read failed (23))".
2970130	Browsing images in the Backup, Archive, and Restore interface is slow. The interface takes lot of time to load images.
2970466, version 9, 8, 7, 6, 5, 4, 3, 2, 1	Increases the performance of Auto Image Replication imports on the destination server when you use Media Server Deduplication Pool (MSDP).
2970741	SharePoint cross-farm redirected restore fails.
2974228	NetBackup OpsCenter issue.
2975594	Backups with multiple copies can have the wrong expiration date when copy 1 has a later expiration date than the other copies. The issue was fixed so that the expiration date of the image record is set to the lowest expiration date of the copies.
2977342	A one-time script was created to address an issue with SLP duplications on a cluster. The script is not included in any other release vehicle.
2977659	A fix for an Accelerator issue where Accelerator-enabled backups fail to verify.
2977914	OpsCenter data collection for storage lifecycle policy (SLP) causes the NetBackup Enterprise Media Manager (EMM) process of the NetBackup server to become unresponsive.
2978501	All VMware block-level incremental backups were expired prematurely when Copy 1 of FULL was removed and if all copies of FULL were created by Inline Tape Copy(ITC).
2979563, version 2	When multistream policies are present, NetBackup Job Manager (NBJM) can get deadlocked. Backups jobs stop running and the jobs that were running appear to be hung.
2979618	A Single File Restore from a FlashBackup image of a Linux client fails to restore a selected file if a FIFO file and the affected file are gathered in one file header block.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2980240	Solaris SAS-2 host bus adapters (HBAs) do not work with NetBackup.
2980571	Restore of a client having VxVM version 5.1 SP1 RP2 results in failure with shared resource tree (SRT) having VxVM 5.1 installed.
2980919	Incremental backup of UNC path backs up all files when True Image Restore with Move Detection is enabled.
2981390	Restores of virtual machines are allowed even if there are no networks returned from the virtual machine query.
2982308	Virtual Machine Disk (vmdk) bitmap files are not removed from /tmp following a VMware backup cancellation.
2982803	Improves the reporting accuracy in NetBackup Deployment Utility (nbdeployutil) Capacity and Traditional reports.
2982809	Improves the reporting accuracy in Capacity and Traditional reports.
2982810	Improves the reporting accuracy in Capacity and Traditional reports.
2982811	Improves the reporting accuracy in Capacity and Traditional reports.
2982812	Improves the reporting accuracy in Capacity and Traditional reports.
2982813	Improves the reporting accuracy in NetBackup Deployment Utility (nbdeployutil) Capacity and Traditional reports.
2982814	Improves the reporting accuracy in Capacity and Traditional reports.
2982815	Improves the reporting accuracy in Capacity and Traditional reports.
2982816	Improves the reporting accuracy in Capacity and Traditional reports.
2982817	Improves the reporting accuracy in Capacity and Traditional reports.
2982818	Improves the reporting accuracy in Capacity and Traditional reports.
2982819	Improves the reporting accuracy in Capacity and Traditional reports.
2985032	On NetBackup 7.1.0.4, bpfis gets stuck intermittently in WaitForFilterUpdates and never finishes.
2985395	During Distributed File System Replication (DFSR) backups, bpbkar32.exe can cause an application fault issue.
2987107	VMware backups fail to map the NTFS Dynamic Disk of a Windows 2008 virtual machine.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
2987333	During a backup, the NetBackup Tape Manager (bptm) gets timed out with the underlying error in spad '[_handle_find] catalog is busy' caused by a large number of backups in a client and policy combination.
2988317	When using a custom retention level configured for 30 years resulting in an expiration date after 2038, the SLP expires duplicate copies after the duplication completes.
2990106	The command bpexpdate -deassignempty -force fails if one of the media fails to deassign, which then causes all to fail to deassign.
2990617	When you click on a transaction log backup image for restoring from the SQL Agent interface, the agent crashes. This issue occurs when you click on images under the *DATABASE PLACEHOLDER* node.
2991238	BMRsavecfg fails with status 26 for a few clients after an upgrade to NetBackup 7.5.0.4.
2991262	OpsCenter data collection for Fat Pipe (FT) Data collector fails with 'Unknown reason' as error for some NetBackup servers.
2996317	The NetBackup Event Manager (nbevtmgr) process hangs and experiences CORBA timeout errors on initial startup.
2996468	A one-time script was created to address Auto Image Replication import failure for 13 images. The script is not included in any other release vehicle.
2996548	The Apache Tomcat package that is bundled with OpsCenter was upgraded to version 6.0.35 to address the security vulnerabilities 'CVE-2012-2733' and 'CVE-2012-3439'.
2996766	If the system has more than 110 IP interfaces, then legacy NetBackup daemons fail to register with Private Branch Exchange (PBX).
2996859	During a Granular Recovery Technology (GRT) browse, the modified timestamp of mail items in the Backup, Archive, and Restore interface show 5 hours off.
2998135	A one-time script was created for Automatic Image Replication images exiting with a status 83 because the Image Cleanup could not find the Volume. The script is not included in any other release vehicle.
2999074	When you browse for backups in the NetBackup for SQL Agent you get a pop-up that displays 'error encountered trying to read database images'.
3001723	Reports that are generated using the Custom Report Wizard do not show failed jobs in the report output when Image Expiration is selected as one of the columns in the report.
3002231	The bpfis process hangs during a Hyper-V backup due to a stale snapshot.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3002480	VMware backups for various Red Hat Virtual Machine servers fail with the error: db_FLISTsend failed.
3003371	Numerous backups failed due to /usr/opensv/netbackup/db/error/errordb.lock contention and O_SYNC performance.
3003719	An Exchange GRT restore fails to restore a user mailbox when the display name contains any square brackets ("[" or "]").
3004512	Disabled the User Account Control (UAC) pop-up on LiveUpdate that runs on the NetBackup 7.5.0.4 maintenance release.
3005312	Cannot restore from a Network Data Management Protocol backup image of more than one path - it is a duplicate copy that was written by EMC DL4200 embedded media server.
3006448	Disk Staging Storage Unit (DSSU) staging fails with status code 228 due to the NetBackup Enterprise Media Manager (nbemm) returning too many entries.
3006964	A backup fails because the SQL Agent can't get the SQL Server backup timestamp from the SQL system database within the default wait timeout window.
3008786	A one-time script was created for Auto Image Replication images exiting with status 83 because the image cleanup could not find the volume. The script will not be included in any other release vehicle.
3008907	A one-time script was created to address an SLP issue after an upgrade to NetBackup 7.5.0.4. The script will not be included in any other release vehicle.
3009921	Starting with NetBackup 7.5.0.4, media which has expired can get deassigned even when it is frozen. In NetBackup 7.1, frozen media never gets deassigned. Frozen media should not get deassigned.
3010049	The GRT restores of emails that have been archived using Enterprise Vault are not restored with the correct Message Class property.
3011949	The NetBackup Enterprise Media Manager database encounters issues on a ZFS file system.
3011950	When the SQL images get browsed for restore using the SQL Agent interface, a pop-up message is presented that states "Error encountered trying to read database images".
3012205	Linux media boot fails with the following message: "ERROR: No device listed in /proc/sys/dev/cdrom/info".
3012773	The virtual machine with P2V conversion cannot boot up after a restore and displays 'Error loading operating system'.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3013157	Use the pass-through driver to determine if a tape has been successfully mounted and is ready to use.
3013181	The W2KOption -backup -ignore_unresolved_volumes command does not prevent status code 156 errors during Windows backups.
3014874	OpsCenter data collection for storage lifecycle images from NetBackup version 7.1.0.4 causes NetBackup Enterprise Media Manager (EMM) process to become unresponsive.
3016551	The NetBackup Administration Console does not allow the editing of media type mappings.
3016768	During backup, the backup tape manager (bptm) times out with the following underlying error in the deuplication manager (spad): [_handle_find] catalog is busy. This error is caused by a large number of backups in a client/policy combination.
3016776	If the /etc/vx/VxICS/VxPBX.cfg file is modified, a Private Branch Exchange (PBX) upgrade fails during an upgrade from NetBackup 7.1 to 7.5.
3017201	When trying to do a Bare Metal Restore (BMR) dissimilar disk restore of a Solaris client, the mapping utility is unable to map the system disk.
3017765	During a backup of a client that has a symbolic link in the database and images directory, the NetBackup Database Manager (bpdbm) fails to get the image key. That causes the backup to fail with status code 227.
3018058	The NetBackup Service Layer (nbsl) process unexpectedly stops and exits because of a memory leak issue on the HP-UX IA64 platform.
3019161	Using the NetBackup Administration Console to browsing for the backup images that are written to certain media servers takes too long.
3019163	Browsing images is very slow in the NetBackup Backup and Restore Console. Its takes long time to load images.
3019537	A corrupt '.f' file causes the NetBackup Database Manager (bpdbm) to consume a lot of memory.
3019944	A bmrrep core dump issue for a Prepare to Restore operation.
3020859	The bpverify command reports failure on UNIX media servers when the backed up file names include carriage returns.
3021832	Added Capacity-based Licensing Data Collection support for appliance Master servers.
3022030, version 1	The nbdecommission utility fails to decommission a media server because some backup image fragments still exist for that media server.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3024221	A Network Data Management Protocol (NDMP) restore of a backup that was taken with NetBackup 6.5.4 and earlier fails with status code 27 and a NetBackup Tape Manager (bptm) core dump issue.
3024932	On a NetBackup Appliance with Software version 2.5.1, VMWare backups sometimes fail with an error code 62 or 130.
3024983	Improves the reporting accuracy in Capacity and Traditional reports.
3025947	The NetBackup Live Browse Client (ncflbc) and the NetBackup client service (bpcd) may cause an exception during granular restore from duplicated backup images. Certain special characters are not handled correctly by the NetBackup client.
3026132	Issues reading images from the PureDisk Deduplication Option (PDDO) disk pool where the characters in a client or a policy name has had a change in case. This issue can affect backups, restores, and duplications.
3026227	Some Windows client logs have an extension which ends in uppercase 'LOG'. The UNIX log gathering program (bpgetdebuglog) expects and only sees lowercase 'log' extensions. Therefore, uppercase logs cannot be found.
3026290	Block-level backup (BLIB) incremental jobs back up as a full backup if the virtual machine has spaces in the name.
3026624	NetBackup Policy Manager (nbpem) crashes if NetBackup is upgraded from 7.5.0.3 to a later release while jobs are active at the time of upgrade.
3026930	A SharePoint GRT backup of databases that have non-English characters fails with status code 13.
3027395	BMR client discovery fails on passive node of a cluster if it encounters unmounted volumes.
3027562	Improves the reporting accuracy in Capacity and Traditional reports.
3028111	Restore and verify operations for large SharePoint content databases fail with the following error: "Raw partition size gigabytes does not match".
3028468	Unable to switch from one NetBackup domain to the other using the Windows NetBackup Administration Console, NetBackup Access Control, and VxSS.
3031070	Lotus restore takes a very long time on NetBackup 7.5.x.
3033625	A backup of Enterprise Vault databases fails with status codes 72 and 1542 when the Enterprise Vault SQL server is configured to use a non-default port number.
3034022	The 'Initialize' option for a BMR client configuration causes the interface to enter an unresponsive state.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3034648	Duplications for FULL virtual machine backup images are only partially successful and reporting 'Error unlocking backupid'.
3034651	Lotus restore takes a very long time on NetBackup 7.5.x.
3035621, version 1	Backup jobs dependent on a snapshot cause multiple queries for storage server details. Large numbers of this type of backup job cause many queries to Disk Service Manager (DSM), which can lead to all DSM threads working that task.
3038049	The NetBackup OpsCenter MeteringCollector sync fails with the following error: "AgentException: ErrorCode - 228".
3038817	Authorization and CLI failures occur due to an inability to connect to the authorization server.
3038944	A one-time script was created to remove a decommissioned media server from Enterprise Media Manager (EMM) database. The script will not be included in any other release vehicle.
3039453	The current NetBackup command line interface is limited in its ability to modify a VIP policy. Two new options have been added to the command line interface.
3040627	An issue for OpenStorage Technology (OST) DirectCopy where the true image restore (TIR) fragment file is not closed.
3041436	BMR experiences occasional problems where 'bpbm -collect_bmr_info' hangs on Windows media servers.
3042003, version 1	Cluster, AppCluster, and bprd credential requests can overwhelm Disk Service Manager.
3042170	A VMware backup with a display name ending in a dot (.) causes all '.f' files to be deleted and results in the inability to restore from the backup.
3042184	Database backups fail due to a race condition of locking a configuration file. This EEB is a 7.5.0.4 compatible version of ET 2897642.
3042624	After it reads the cloudstore.conf file, the NetBackup Cloud Storage Service Container service (nbcssc) creates a log file under the root directory.
3044188	Unable to recover from copy 2 of a catalog backup that was taken on tape created by a storage lifecycle policy.
3044819	An Exchange GRT restore that is redirected to a different folder in the original mailbox fails with server status = 2810, but still works correctly when restored to the original mailbox location.
3044870	After caching was enabled in the configuration file that was passed to the Virtual Disk Development Kit (VDDK) API VixDiskLib_InitEx(), the backup speed of VMware virtual machines decreased.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3045792	The bpmount utility reports duplicate mount point entries on a UNIX server if one or more mount points are excluded through an entry in the exclude_list file.
3047391	An issue for OpenStorage Technology (OST) DirectCopy where the true image restore (TIR) fragment file is not closed.
3047514	Issues reading images from the PureDisk Deduplication Option (PDDO) disk pool where the characters in a client or a policy name has had a change in case. This issue can affect backups, restores, and duplications.
3048461	Containers (.bin files) that are 4 GB or larger can affect performance and not allow the containers to shrink. In addition, data can become lost or corrupted when container hits the 4GB boundary.
3048499	The NetBackup 7.5 bpimagelist CLI omits automatic images for stream-based backups that lack fragments. The Netbackup image listing code was fixed to allow the listing of 0 fragment images created by the automatic schedule of stream-based DB backups.
3048813	Attempts to create a client alias fail when the alias name is already assigned to a real client.
3049680	A one-time script was created to delete a Fujitsu OpenStorage (OST) disk pool. The script will not be included in any other release vehicle.
3050260	A defunct bpfis process is created when the parent bpfis process does not read the status of the exited child process.
3050708, version 1	Bundle that contains fix for a ZFS and a VxVM issue.
3051191	Maximum data streams not honored for Exchange clients.
3051344	A custom retention level that is less than seven days does not get honored by the Auto Image Restore target master.
3051747	Reports that are generated using the Custom Report Wizard do not show failed jobs in the report output when Image Expiration is selected as one of the columns in the report.
3051990	A one-time script was created to delete a disk pool. The script will not be included in any other release vehicle.
3052029	If the system has more than 110 IP interfaces, then legacy NetBackup daemons fail to register with Private Branch Exchange (PBX).
3052163	A segmentation fault occurs during NetBackup Deduplication Service (spoold) startup when large amounts of RAM are present on the system.
3052288	Unnecessary string conversions during the creation of the preview list can cause large delays in NetBackup Vault jobs.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3053132	Intermittent deadlock in the NetBackup Database Manager (bpdbm) results in backup and duplication job failures.
3054391	The preview button in the Backup, Archive, and Restore NetBackup Java Administration Console fails to show the tapes that are needed for a restore. It instead presents an error message pop-up window.
3055194	Due to the fixed length of the 'Select Configuration for Restore' dropdown of a generic restore, the user is unable to see some lengthy client names and cannot select the desired configuration to proceed with the restore.
3055227	A one-time script was created to delete a Network Data Management Protocol (NDMP) server which cannot be deleted by using the nbemmcmd -deletehost command. The script will not be included in any other release vehicle.
3055370	A Microsoft SharePoint node is not visible during enumeration.
3055838	Unable to remove duplicate DBM_ClientAlias entry.
3056622	OpsCenter does not generate 'Job Finalized' alerts when Job ID is reset in NetBackup. The Job ID reset happens in NetBackup as part of disaster recovery (DR) testing, Catalog restore, or manual edit of the Job ID file.
3058293	SAP backups of the databases are taken from an ext4 file system fail to restore with the error 'Read access to .LoNg_VaLuEs.2 was denied'.
3058395	The Job Details dialog in Activity Monitor does not save the size of the dialog after it gets closed.
3058454	Maximum data streams not honored for Exchange clients.
3059678	An SQL server backup fails because the agent cannot get the backup timestamp within the default timeout period.
3060445	An incremental backup of a universal naming convention (UNC) path backs up all files when true image restore (TIR) with Move Detection is enabled.
3060629	For computers running AIX in the Turkish locale, scheduled SAP backups fail with status code 13 and the bphdb process encounters a core dump issue.
3062543	NetBackup OpsCenter Data Collection issue.
3063654	An update of the DBM_MAIN.DBM_ImageFragment table takes a long time. It blocks all other exclusive access to the NetBackup relational database (NBDB) in the Enterprise Media Manager database (nbemm).

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3064454	Storage lifecycle policy (SLP) managed duplications fail when writing to a storage unit group that is set to Failover where the first storage unit was full or unavailable.
3065140	The Bare Metal Restore (BMRDB) relational database fails to validate because of invalid or duplicate index entries in tables, which cause dbsrv11 to abort with "Attempting to normalize a non-continued row".
3065633	When backing up Windows Server 2008 virtual machines in a VMware policy, the backups sometimes hang if the virtual machine powers on using an EFI partition.
3066838	For NetBackup 7.5, the NetBackup Administration Console does not show the Media server tab in the Host Properties interface for media server and client hosts.
3066904, version 1	The SQL Agent crashes when the restore job fails.
3067967	NetBackup Service Layer issue.
3068763	Vmware and Hyper-V policy types are missing from the 'Capacity by Policy Type' section on the Summary tab.
3069121, version 1	Bundle fix for storage lifecycle policy and Auto Image Replication performance.
3070024	A one-time script was created to delete a disk pool which cannot be removed. The script will not be included in any other release vehicle.
3071572	A self-restore fails on a Sun Fire X4270 M2 server with 'ERROR Incorrect Label information for \$diskLocation is written in PREP_DISKDATA File'.
3073489	Importing images containing sparse files can result in incorrect size information.
3073850	GRT restore of a message that has empty attachments may fail if the Microsoft Exchange attachment table does not have the standard name. For example, this issue could occur if there has been a database schema change for a local configuration.
3074196, version 1	The NetBackup Deployment Utility (nbdeployutil) report fails with the error 'Can't locate utf8.pm'.
3074804	OpsCenter generates a 'master server unreachable' alert even when the master server's connectivity is only momentarily affected because of transient network issues.
3076505	NetBackup OpsCenter issue.
3076793	Linux clients with non-system VxVM disks fail to be recovered using system-only restores.
3078609	Maximum data streams not honored for Exchange clients.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3079370	Error messages 'JFS log was not found in volume group (vgName)' and 'A JFS log must exist in volume group (vgName) before a JFS logical volume can be created' seen when PTR or DDR are performed on AIX client's configuration with VG not having JFSlog LV.
3079378	Catalog cleanup deletes image folders when there are still images in them.
3079476	An optimized synthetic backup fails with status code 84. An image cleanup job fails when it runs for more than 60 minutes.
3079971	During VMware backups, snapshots occasionally fail with a status code 3014 after 10 attempts.
3080574	OpsCenter does not generate 'Job Finalized' alerts when Job ID is reset in NetBackup. The Job ID reset happens in NetBackup as part of disaster recovery (DR) testing, Catalog restore, or manual edit of the Job ID file.
3081314	A replicated image fails to import a BMR configuration of Windows clients on a UNIX/Linux master server.
3082881	A Client Direct backup fails when the media server is set to 'USE_VXSS = AUTOMATIC' and 'VXSS_NETWORK = media_server_name REQUIRED' when the client is set to 'USE_VXSS = PROHIBITED'.
3083269	Application faults occur in the Setup.exe and VxLogServer.exe programs during NetBackup 7.5 installation.
3083558	Estimating the size of backups during image validation takes a long time.
3084976, version 4, 3, 2, 1	NetBackup Relational Database issue.
3086344	NetBackup OpsCenter Custom Reports issue.
3087760, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3090552	Dbbackup.exe is unable to retrieve SQL server properties from the registry in order to create an Open Database Connectivity (ODBC) connect string.
3091012	The NetBackup Database Manager (bpdbm) fails to connect to the database with the following connection error: "Found server but communication error occurred".
3092156	A corrupt image file causes the NetBackup Database Manager (bpdbm) process to consume CPU and memory until the bpdbm process is killed.
3092283	For Microsoft Cluster Server (MSCS), the NetBackup Cluster API enumerates node IDs from 1. If NODE ID 1 is not present, the cluster API fails to detect nodes in the cluster and returns with error 30014.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3092538	An issue occurs when incremental backups of large multi-terabyte VMs are performed using the VMware policy type to a deduplication location, which causes bptm to fault (core dump) due to an error in the pdplugin regarding a negative number in the memory.
3093057	The OpsCenter user interface is very slow and the database process (dbsrv11) consumes nearly 100% of CPU on multiple processors.
3093205	EEB bundle addressing storage lifecycle policy and Auto Image Replication performance, as well as a problem with frozen media that is deassigned in error.
3093882	Restores of images written with the NetBackup Key Management System (NBKMS) enabled may fail with a status code 85.
3093976	VMware backups for various Red Hat Virtual Machine servers fail with the error 'db_FLISTsend failed.'
3095239	On Windows 2008 R2, restores change directory case naming from upper to lower case when using Fast Boot SRT.
3095961	The Exclude Data Disks option in a VMware policy does not work correctly for some virtual machines.
3096214	Mapped Full VM backups ending with Status 0; cannot restore individual files.
3097439, version 1	A backup fails because the SQL Agent cannot get the SQL Server backup timestamp within the default wait timeout window, and Dbbackup.exe is unable to retrieve SQL server properties from the registry to create an ODBC connect string.
3098858	VMware Application State Capture image expires before the parent image expires.
3099258	During backups of Distributed File System Replication (DFSR) data, bpbkar32.exe experiences faults.
3099662, version 1	NetBackup OpsCenter issue.
3101514	A restore or duplication of a Network Data Management Protocol (NDMP) image fails with an error reading: 'create_ndmp_frag_info: The size of this backup image (n) xxx has been modified' or 'create_ndmp_frag_info: Internal error - count mismatch Error.'
3102190	When a VMware guest has many IPv6 addresses associated with it, backups sometimes fail due to a limitation.
3103018	Image collection eventually stops and the OpsCenter web interface becomes unresponsive.
3104818	A one-time script was created to remove an MSDP setup on the master server that cannot be deleted by using nbemmcmd -deletehost and instead fails with error (Please Delete Disk Objects First). The script will not be included in any other release vehicle.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3105184, version 1	Backups of Windows virtual machines with a 5220 2.5.1 appliance backup host fail with a status code 130.
3105316	On a RedHat 6.X client, Bare Metal Restore enters the discovery phase with the following error: "The disks in this system do not meet the minimum requirements for recovery."
3105408	During a backup, the NetBackup Tape Manager (bptm) gets timed out with the underlying error in spad '[_handle_find] catalog is busy' caused by a large number of backups in a client and policy combination.
3106076	Importing images containing sparse files can result in incorrect size information.
3106104	Importing images containing sparse files can result in incorrect size information.
3106690	A cancellation or failure of a VMware backup job leaves temporary VMDK files in /tmp.
3106719	The Activity Monitor reports inconsistent results of backups and restores. It shows less than 100% completed, but the Detailed Status tab shows processes closed with a status code 0. The Job State remains Active.
3108240	A VMware Exchange GRT browse fails when volumes are required on a system with more than 10 volumes on the system.
3108642	Incremental backups are not marked eligible for true image restore (TIR) pruning.
3108661	The Exclude Data Disks option in a VMware policy does not work consistently for Windows 2008 virtual machines.
3111591	The pbx_exchange service aborts with a core dump if a pbx-dependent service with a heavy load from incoming client connections is terminated.
3112672	The dbbackup.exe process crashes while browsing backup images on an SQL mirroring configuration setup.
3113092	The NetBackup Backup and Restore Java Console gives 'Invalid destination Path' error message while restoring data at alternate location for Windows clients.
3114155	Setting a storage lifecycle policy (SLP) storage unit across multiple policies appears successful but it has changed to empty. When you change the storage unit from SLP to disk STU, the interface shows error: "status:223 an invalid entry was encountered".
3114741	Cannot modify OpenVMS client host properties through the client Host Properties utility. Selecting OK causes a socket disconnect error.
3114977	The Exclude Data Disks option in a VMware policy does not work consistently for Windows 2008 virtual machines.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3115248	NetBackup OpsCenter data collection for images fails with a communication exception.
3117236	The 'nbdevquery -listdv' command did not show potential free space available for a given disk volume.
3117858	Attempts to browse images for a client result in the database system error code 220.
3118240	During multistreamed or Volume Snapshot Service (VSS) backup jobs, a Bpfs.exe core dump is seen on Amazon virtualized Windows hosts running on Red Hat Enterprise Linux (RHEL) machines.
3119164	Duplicate image cleanup events can cause duplicate backup image entries in the indexing queue, resulting in problems in processing further indexing requests.
3119197	The 'bpbaz -q -showbackulist' command fails when you perform a hot catalog backup.
3122425	PureDisk side repair tool for addressing NetBackup and PDDO case sensitivity issue. Requires NetBackup 7.5.0.6 to be installed.
3123001	Request for NetBackup Service Layer (nbsl) process memory leak issue fix on NetBackup version 7.5.0.5 for all the platforms.
3123414	Improves the reporting accuracy in NetBackup Deployment Utility (nbdeployutil) Capacity and Traditional reports.
3123528	Sybase hangs because of internal table growth.
3124098	A one-time script was created to remove a media server from the Enterprise Media Manager (EMM) database. The script will not be included in any other release vehicle.
3125103	The current command line interface (CLI) is limited in its ability to modify VIP policy. Two new options have been added to the CLI.
3126195	Client side backup fails when a media server is set to USE_VXSS = AUTOMATIC and VXSS_NETWORK = 'media server name' REQUIRED, when the client is set to USE_VXSS = PROHIBITED.
3126218	Network Data Management Protocol (NDMP) restore jobs from tape fail a status code 5. The bptm log shows the following: 'read_data: unknown ndmp_task 3; EXITING with status 5.'
3127522	When the previous snapshot is not cleaned up from the catalog, subsequent snapshot creation fails with the following error: 'pfi_find_active: Cannot find available snapshot mirror.'
3128448	SCSI pass-through driver scripts for SAS-2 drive on Solaris.
3130147	The registry entries are ignored.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3131418	VMware backups fail with a status code 41. The logs show that the process hangs on the function IsSystemBootedUsingEFIFirmware.
3131900	A multiplexing restore job may hang due to timing issues.
3132521	When cluster node names starts with CLUSTER in all upper case, the user is unable to browse for Hyper-V virtual machines.
3133654	During VMware backups, snapshots occasionally fail with a status code 3014 after 10 attempts.
3133752	After an upgrade of an Open Virtual Memory System (VMS) client from version 6.5.5 to version 7.5, modifying and saving the client properties results in the error 'file read failed (23)'.
3134161, version 2, 1	Bundle of fixes to resolve the various issues of jobs status not being reflected correctly in the Activity Monitor.
3134396	On AIX media servers that use load balancing, MPMS avg_freemem is calculated properly while load_avg is calculated as 0 regardless of the actual load.
3134510	SQL Server backups fail because the SQL Agent cannot get the SQL Server backup timestamp within the default wait timeout window.
3135460	The bpnbaz -q -showbackuplist command fails when performing hot catalog backup.
3135774	When a cold backup is performed using the NetBackup Oracle Intelligent Policy with the database in a MOUNTED state, shutdown and startup mount commands are issued even though the database is already in a MOUNTED state.
3136591, version 1	The PureDisk wrapper 'pd_getaddrinfo' does not retry on EAI_AGAIN when DNS is busy.
3136787	Unable to save 'Scheduled Jobs' filters in the 'Planning Activity - Scheduled Job - All Jobs' report.
3138156	The NetBackup robot daemons may miss unit attentions, which causes AUTO_UPDATE_ROBOT to fail.
3139464	The registry entries are ignored.
3139674, version 1	SQL backups are not seen in the SQL Agent, but are seen by the bplist process. In addition, after an upgrade to NetBackup 7.1.0.4, the SQL Agent does not display backed-up images as sorted by date.
3139802	For virtual machines with greater than 10 disks, VMware Virtual Disk Development Kit (VDDK) returns unordered disk IDs. The disks are added to the catalog in an incorrect order and cause an issue when a restore to multiple datastores is performed.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3139929	Browsing for backups with the SQL Agent skips backups and fails with the following error: "because it contains metadata not recognized by the current version of NetBackup".
3141193	After clicking OK for browsing SQL backups for restore, a pop-up appears with the following message: "error encountered trying to read database images."
3142128	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3142388	A DB2 restore fails with 'SQL2062N' if the backup spans three days or more.
3142588	An OpsCenter Capacity Licensing Report does not display data for VMware policies in the summary tab.
3142835	Allows Common Object Request Broker Architecture (CORBA) communications across a static Network Address Translation (NAT) firewall without requiring a FIREWALL_IN configuration entry.
3142846	Allows Common Object Request Broker Architecture (CORBA) communications across a static Network Address Translation (NAT) firewall without requiring a FIREWALL_IN configuration entry.
3143477	A DB2 restore fails with 'SQL2062N' if the backup spans three days or more.
3143716	Linux clients with non-system VxVM disks fail to be recovered using system-only restores.
3144564	VMware incremental backups sometimes back up all data like a full backup.
3144618	The GRT phase of an Exchange backup fails if a database name contains a colon (:) character.
3145524	Issues with the 'nbdecommission' utility for decommissioning media servers.
3146318	Performance issues with Auto Image Replication imports on the destination server when Media Server Deduplication Pool (MSDP) is used.
3146364, version 1	NetBackup Agent for Windows Client issue.
3147647	Intermittently, media server name and media server ID values are not passed to OpsCenter for the jobs that retry.
3147711, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3147730	The bpvmutil.exe application faults intermittently.
3147934	After it reads the cloudstore.conf file, the NetBackup Cloud Storage Service Container service (nbcssc) creates a log file under the root directory.
3148160	The nbstserv service may encounter a core dump issue when it stops.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3149106	Amazon cloud backup jobs periodically fail with the following potentially retryable error: "HTTP code 500 2060022".
3149184	The dbbackup.exe process crashes while browsing history.
3150238	A combination of performance problems on the master server result in a failure to return the media server name during resource request processing. This error is a retryable error, but a defect causes it to not be retried.
3150274	Filters in the NetBackup Backup and Restore Java Console do not display the correct files when browsing for restore.
3151347	The bpVMutil process fails to completely restore a virtual machine; only two of the three disks are created. The tar32 process core dumps when it tries to restore data to the third disk.
3153058	A one-time script was created to address thousands of storage lifecycle policy (SLP) images that are stuck in state 10 - inactive. The script will not be included in any other release vehicle.
3154497	In the NetBackup 7.5.0.4 NetBackup Administration Console Host Properties tab, the 'Add to All' button goes missing from the media server tab after an EEB for Host Properties missing media server tab is installed.
3155662	The BMR client configuration backup failures report in NetBackup OpsCenter is not always accurate. Failed backups are either missing or are reported as a status -999.
3155722	On AIX NetBackup master servers, the 'Test Query' button for 'VMware Intelligent Policy (VIP)' does not return any result.
3155728, version 1	A user is unable to browse images from the restore SQL interface. The following error is displayed: "Error encountered trying to read database images".
3155883	A restore fails with the error 'Failed to create ZFS file systems' when the same hot spare disk is assigned to two different ZFS pools.
3155981, version 1	NetBackup OpsCenter issue.
3156174, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3156212, version 1	EEB bundle: A Network Data Management Protocol (NDMP) restore hang problem; an NDMP restore problem with restoring from disk and tape.
3156374	The NetBackup Event Manager (nbevtmgr) process hangs and experiences CORBA timeout errors on initial startup.
3156426, version 1	Incremental backups are not marked eligible for true image restore (TIR) pruning.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3156468	A one-time script was created to mark old backups eligible for pruning. The script will not be included in any other release vehicle.
3157563	A one-time script was created to address the disk pool deletion issue. The script will not be included in any other release vehicle.
3157844	Corrects and changes the NetBackup Storage Lifecycle Manager (nbstserv) recovery session processing.
3158041	Issues with the NetBackup storage lifecycle policies utility (nbstlutil) report for: 1) copy count 2) size of copies to be created 3) performance.
3160753	Corrects and changes Storage Lifecycle Manager service (nbstserv) recovery session processing.
3161604	Under certain conditions, FlashBackup problems occur following 7.5.0.5 patch installation on Windows, due to VxMS binaries being moved during installation.
3162773	A mapped full virtual machine backup completes with a status code 0, but the VxMS log shows: buildLdmPartitions:pLdm.cp:235 - File Recovery is not possible after backup.
3162955	The NetBackup Domain Network Analyzer (nbdna) is unable to execute with some versions of sudo.
3163213	OpsCenter report emails with PDF format show incorrect time frame.
3163522	The bpvmutil process crashes.
3163701	PureDisk side repair tool for addressing NetBackup and PDDO case sensitivity issue. Requires NetBackup 7.5.0.6 to be installed.
3165589	Cloud data collection fails with the following error: "ErrorCode - 228 : unable to process request ()".
3177454	After a Hyper-V backup, the virtual hard disk (VHD) file fails to show up in the browser and cannot be restored. Backup is successful and other files can be browsed and restored.
3177858	An Oracle snapshot backup fails with status code 31.
3178628	A one-time script was created to remove an old MSDP disk pool. The script will not be included in any other release vehicle.
3178727	SharePoint resources are not visible in the Backup, Archive, and Restore interface during a backup.
3179023	The NetBackup Domain Network Analyzer (nbdna) is unable to execute with some versions of sudo.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3179698	A one-time script was created to remove a media server and the records that are related to it from the user's master server database. The script will not be included in any other release vehicle.
3180090	Hot catalog backups fail with status code 67 (client backup failed to read the file list) because .f files are larger than 4GB.
3180682	On AIX NetBackup master servers, the 'Test Query' button for 'VMware Intelligent Policy (VIP)' does not return any result.
3180805	A redirected Exchange granular restore fails if the Client Access Server (CAS) is not also a mailbox server.
3182935, version 2, 1	Bundle of fixes to resolve the various issues of jobs status not being reflected correctly in the NetBackup Activity Monitor.
3182981	A pipe is always granted the physical node. However, when a backup with the app_cluster is registered with Enterprise Media Manager (EMM), the backup always goes by local area network (LAN).
3184036	The NetBackup Policy Execution Manager (nbpem) stops scheduling jobs, but immediate and user backups still work. The nbpem process must be restarted to get scheduling started.
3184319	Intermittent core dump issues with the NetBackup Job Daemon (bpjobd).
3184662	True image restore (TIR) fragment files are not closed during OpenStorage (OST) Direct Copy.
3184773	Exchange application backups fail with status code 196 even though the backup window is open.
3185297	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3185299	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3187365	When VMware backups are run a message will be seen in the Activity Monitor stating that the snapshot will not be deleted.
3187590	A race condition occurs while container references are added and removed.
3188793, version 1	The bpfis process does not call VixDiskLib_EndAccess() to unlock the virtual machine if the snapshot creation fails.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3189047	A one-time script was created to remove a disk pool with the name 'dp_pddo_poc' from Enterprise Media Manager (EMM) database. The script will not be included in any other release vehicle.
3189560	Backups for a Windows client experience delays in the call to 'IsSystemBootedUsingEFIFirmware()' in bpbkar, which causes the backup jobs to fail with a status code 41.
3189770	The NetBackup Robot Inventory screen shows duplicate robot entries when NetBackup is clustered.
3191110	A SharePoint Granular Recovery Technology (GRT) restore fails with the error "Failed to find document with SetUserDataByItemId".
3191336	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3191915	The NetBackup Java Administration Console in NetBackup 7.5.0.x takes very long time to load NetBackup policies.
3192221	If snapshot creation fails, bpfis does not call VixDiskLib_EndAccess() to unlock the virtual machine.
3192581	NetBackup OpsCenter View Builder issue.
3193376	Attempts to restore some individual files from a Hyper-V backup fail.
3194255	Hot catalog backups fail with status code 67 (client backup failed to read the file list) because .f files are larger than 4GB.
3194916	The Front-End Terabytes (FETBs) report shows the same value for multiple master servers.
3195038	Storage lifecycle policy (SLP) managed duplications fail when writing to a storage unit group that is set to Failover where the first storage unit was full or unavailable.
3195135	Granular Recovery Technology (GRT) restores do not correctly restore Enterprise Vault (EV) archived stubs of messages that had attachments.
3195197	Under certain conditions, FlashBackup problems occur following 7.5.0.5 patch installation on Windows, due to VxMS binaries being moved during installation.
3195296	Data loss issue in CRS.
3195398	Amazon cloud backup jobs periodically fail with the following potentially retryable errors: "HTTP code 500 2060022" and "HTTP code 400" with 'RequestTimeout'.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3195573	A one-time script was created to delete a media server and all related data records from the NetBackup database. The script will not be included in any other release vehicle.
3195705	A one-time script was created to remove MSDP defined on the master server. The script will not be included in any other release vehicle.
3195898	Alternate and self-restores of a Bare Metal Restore (BMR) Windows client in Citrix guest fail with the error message "Failed to create partition". This issue results from an incompatibility with Citrix Xen drivers in a BMR recovery environment.
3197166	Catalog cleanup deletes image folders when there are still images in them.
3197333	Adding a NetBackup 7.5 client to a Solaris 10 Update 11 shared resource tree (SRT) fails.
3198816	Incremental backups of 'EFI System Partition' failing with status code 1.
3198891	With NetBackup Accelerator enabled, all backups of Shadow Copy Components (SCC) are forced as full backups. A Distributed File System Replication (DFSR) backup by SCC path is always a full backup.
3200294	Running the bpchangeprimary command by pool name and policy name fails to change images.
3200840	Need secure version of Apache Tomcat.
3201791, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3202205	A SharePoint document library restore succeeds, but the associated informational columns are missing.
3203364	An individual VMware job restarts in NetBackup 7.6 Beta 2.
3203750, version 2, 1	Inconsistent job data is shown in the Activity Monitor.
3203969	A SharePoint Granular Recovery Technology (GRT) restore fails with "Unable to open source file" at SetUserDataItemById.
3204057	Content router performance issues when a large number of images are expired at the same time.
3204568	A one-time script was created to delete disk volume entries from AdvancedDisk pool. The script will not be included in any other release vehicle.
3204762	SharePoint child backups fail with status code 196 when a new stream is added.
3205042	There are millions of "vfm_extract_frag_info_VxFlv5: input_frag_id" messages in the NetBackup Database Manager (bpdbm) log file with VERBOSE = 0 or at default levels.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3206406	A one-time script was created to address a specific condition where a disk pool could not be deleted by NetBackup commands. The script will not be included in any other release vehicle.
3206889	BMR restores of Windows Server 2008 and newer clients fail with error messages in the bmrst log that are similar to the following: "butils.cpp:RestoreASRData() Failed to move file [C:\BMR\SCC\Automated System Recovery\le\bootmgr] --gle=2."
3208619	The expiration time of multiplexed (MPX) media may be incorrectly changed to an earlier date.
3209796	A Network Data Management Protocol (NDMP) restore fails with a status code 27, and the NetBackup Tape Manager core dumps after end of tape is detected.
3210601	Attempts to create a client alias fail when the alias name is already assigned to a real client.
3212208	A one-time script was created to address a condition where the deletion of a disk pool was not possible when the storage server was already removed. The script will not be included in any other release vehicle.
3212393	Enterprise Vault database snapshots fail with status code 130 when Enterprise Vault is configured to communicate with SQL on a non-standard port.
3214313	A one-time script was created to remove a Media Server Deduplication Pool (MSDP) storage server from a failed configuration attempt. The script will not be included in any other release vehicle.
3214359	A large Oracle database (13TB) backup failed with status code 6 and the following error message: "ORA-27192: skgfcls: sbtclose2 returned error - failed to close file".
3215794	A one-time script was created to address the removal of disk pool. The script will not be included in any other release vehicle.
3216828	VMware Backups of Linux servers using EXT4 may fail with a status code 12: db_FLISTsend failed: file open failed (12).
3216862	A one-time script was created to remove disk pools from an environment. The script will not be included in any other release vehicle.
3217089	An Oracle Volume Shadow Copy Service (VSS) snapshot SLP fails to rotate.
3217366	VMware backups experience long delays during the 'IsSystemBootedUsingEFIFirmware()' call, which causes backups to fail with a status code 41.
3218048	The PureDisk wrapper 'pd_getaddrinfo' does not retry on EAI_AGAIN when DNS is busy.
3218773, version 1	Improvement in the caching technique of the NetBackup Job Monitor (bpjobd).

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3219871	The Fibre Transport client process (nbfctInt) on AIX does not discover the 'ARCHIVE' Python devices that are associated with /dev/rmtXX device paths when XX is greater than 99.
3221316	A one-time script was created to address the condition where deletion of a disk pool was not possible when the storage server was already removed. The script will not be included in any other release vehicle.
3221651	In the NetBackup Backup, Archive, and Restore interface under the 'Restore' tab, the 'Source client for restores' list only contains the master server.
3222277, version 1	The Dbbackex.exe program is left running on the SQL client after a backup has failed, causing subsequent backups to fail.
3223163, version 2, 1	NetBackup for VMware issue.
3225647	A one-time script was created to remove a disk pool and deleted image fragments for a customer environment. The script will not be included in any other release vehicle.
3225929	A one-time script was created to remove a media server from the NetBackup database. The script will not be included in any other release vehicle.
3226695	Restoring to original location does not restore the hardware version when the box is checked in Backup, Archive, and Restore interface.
3227126	The nbdecommission utility failed to delete the media server.
3228489, version 2, 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3228809	On cluster installs when there is a "-u" in the host name, the install fails.
3230967	During replication, the NetBackup disk manager (bpdm) process intermittently exits with the following message: "bpbrm is gone".
3231114	A combined EEB fix for: 1. The NetBackup Java Administration Console takes very long time to load policies; and 2. An override of the policy storage unit in a schedule of a policy causes the retention level to reset to Level 1 (default 2-weeks).
3231391	The media server that is reported in top-left interface does not match with the job details. The job details have the correct media server information.
3234808	A one-time script was created to delete a PureDisk disk pool. The script will not be included in any other release vehicle.
3235139	A one-time script was created to remove an MSDP setup on the master server. The script will not be included in any other release vehicle.
3236302	An Oracle Volume Shadow Copy Service (VSS) snapshot SLP fails to rotate.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3236304	An Oracle snapshot backup fails with status code 31.
3237136	There are millions of "vfm_extract_frag_info_VxFIv5: input_frag_id" messages in the NetBackup Database Manager (bpbdbm) log file with VERBOSE = 0 or at default levels.
3237452	A one-time script was created to delete old disk pool. The script will not be included in any other release vehicle.
3238501	The Front-End Terabytes (FETBs) report displays incorrect data.
3238535	A one-time script was created to address a specific condition where an NDMP entry cannot be removed using the nbemcmd command. The script will not be included in any other release vehicle.
3238748	Image lock files have world-writable permissions.
3240050	In some cases, VMware backups cause semaphores to be left open.
3240151	A one-time script was created to address the media server deletion issue with the nbdecommission utility. The script will not be included in any other release vehicle.
3242705	A SharePoint Granular Recovery Technology (GRT) restore fails with "Unable to open source file" at SetUserDataItemById.
3244927	The capacity report for the NetBackup Deployment Utility (nbdeployutil) does not show the correct 'Flagged Capacity Figures' when reporting against multiple master servers.
3245196	The Java Windows Administration Console is unable to browse the backup history on master servers running earlier versions of NetBackup.
3245388	Cleaning tapes do not unload following a tape drive cleaning operation.
3248534	A one-time script was created to remove an incorrectly decommissioned media server of type 'foreign_media'. The script will not be included in any other release vehicle.
3253362	A one-time script was created to delete a disk pool because image fragments still exist. The script will not be included in any other release vehicle.
3253473, version 1	Catalog backups fail after several hours with status codes 25 and 50 due to the image expiration of a client that is no longer configured in the policy, or in the event of a policy change.
3255000	A Linux system shows a leak of one semaphore per backup job on the backup host.
3255087	Single file restores of an NDMP policy type from and OST_FIM snapshot fail with the following: 'DUMP: somefile.txt: No such file or directory'.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
**3256506, version 7, 6, 5, 4, 3, 2, 1	No error is reported, yet the virtual machine backup or restore operation may have failed when doing a VMware backup of an offline LUN or a read-only LUN. http://www.symantec.com/docs/TECH208628
3257184	A one-time script was created to remove a disk volume. The script will not be included in any other release vehicle.
3259441	Following an installation of the NetBackup 7.5.0.6 x64 client package for Windows 8/Server 2012, an alert displays that the NetBackup Bare Metal Restore (BMR) boot server service is not running.
3260582	Single file restores of an NDMP policy type from and OST_FIM snapshot fail with the following: 'DUMP: somefile.txt: No such file or directory'.
3260932	Apache Tomcat upgrade for security.
3262659	On an AIX client, if the lslv command output contains the 'DEVICESTYPE' value, then Bare Metal Restore (BMR) records the wrong file system type during backup which causes the restore to fail with invalid temporary mount point.
3262796	Restoring to original location does not restore the hardware version when the box is checked in Backup, Archive, and Restore interface.
3263461	NetBackup 7.5.0.6 Fibre Transport (FT) services on a Solaris 10 SPARC media server immediately shut down after startup.
3264408, version 1	NetBackup Service Layer issue.
3265176	There are millions of "vfm_extract_frag_info_VxFlv5: input_frag_id" messages in the NetBackup Database Manager (bpdbm) log file with VERBOSE = 0 or at default levels.
3270115	NetBackup Service Layer issue.
3273745	Running the bpchangeprimary command by pool name and policy name fails to change images.
3275166	The PureDisk wrapper 'pd_getaddrinfo' does not retry on EAI_AGAIN when DNS is busy.
3277737	An Oracle backup fails which causes the removal of unwanted images.
3281743	Content router queue processing issues with completing quickly in MSDP.
3282224	NetBackup OpsCenter Reports issue.
3282256	A System State restore on a Windows Server 2012 system fails with the following error: "FS_RECOVERY_PARTITION_NOT_FOUND".

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3282319	The dbbackup.exe process crashes when the user tries to browse the backup with the SQL server agent interface.
3284692	A one-time script was created to delete a PureDisk disk pool and one remaining image. The script will not be included in any other release vehicle.
3286399	A catalog cleanup runs while a catalog recovery is active, causing newly restored catalog files to be deleted prematurely.
3286500	A catalog cleanup runs while a catalog recovery is active, causing newly restored catalog files to be deleted prematurely.
3287240	VMware incremental backups with block level incremental backup (BLIB) enabled fail with status codes 40 and 13. The VMware session timeout and read timeout occur because creating a bitmap for modified sectors takes more time for the virtual disk.
3288413	A one-time script was created to address an issue where an MSDP storage server could not be deleted. The script will not be included in any other release vehicle.
3289804	Failed to remove a disk pool, media server, and NDMP server through commands.
3289890	True image restore (TIR) pruning fails due to fetching invalid image information from the NetBackup database (NBDB).
3290013	Windows push installations fail during Virtual File Filter (VFF) driver installation.
3292295	VMware backups leak semaphores on Linux backup hosts.
3293641	An Exchange mailbox is cataloged with an incorrect alias and a Granular Recovery Technology (GRT) restore fails.
3294558	A number of data collectors show a 'Not Started' status in NetBackup OpsCenter.
3299072	Snapshot backups on a Windows Server 2008 R2 computer with an EFI partition fail with status code 1.
3299739	A one-time script was created to delete an incorrectly decommissioned media server of type 'foreign_media'. The script will not be included in any other release vehicle.
3300058	Job status not being reflected correctly in the NetBackup Activity Monitor.
3304711	Shared Resource Tree (SRT) creation fails for Solaris SPARC 10 Update 10 with the following error message: "[Error] V-125-447 Unable to install Symantec NetBackup Client software into the SRT."
3307842	Support for GUID partition table (GPT) boot disk. This support addresses an issue with the error "Found 0 Virtual Volumes".

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3310421	A one-time script was created to remove three disk pools. The script will not be included in any other release vehicle.
3311757	Enhancements to the content router queue processing so that it completes more quickly in MSDP.
3313627	A SharePoint Granular Recovery Technology (GRT) restore fails with "Unable to open source file" at SetUserDataItemById in the ncfgre log.
3316858	A one-time script was created to delete an MSDP storage server. The script will not be included in any other release vehicle.
3321055	Unable to browse backup images using the MSSQL agent interface for clustered MSSQL databases that are configured for mirroring.
3324604	Hot catalog backups fail with status code 67 (client backup failed to read the file list) because .f files are larger than 4GB.
3325351, version 1	Bundle of fixes to address TIR (True Image Restoration) catalog data pruning and the NetBackup Database Manager (bpdbm) failing to connect to the database.
3325584	Unable to browse virtual machines for selection. The following is displayed in the bpVMutil logs: "CREATE_CONTAINER_VIEW_ERROR".
3327987, version 1	NetBackup OpsCenter issue.
3330467	When hosting a volume on an EMC array and attempting to perform a FlashBackup, a failure occurs if the EMC Volume Shadow Copy Service (VSS) provider is not installed.
3331197	A storage unit group that is set to failover does not correctly select storage units.
3331462	A one-time script was created to remove a disk pool that is no longer associated with any storage server. The script will not be included in any other release vehicle.
3332354	Unable to browse or discover virtual machines on vCenter 4.1.
3332510	During the cleanup step of a Bare Metal Restore (BMR) recovery, Domain Name Server does not get set properly on the Windows Server 2003 operating system.
3333575	Restores fail if the job ID is over 65534.
3333826	Failed to retrieve virtual hard disk (VHD) file during restore. However, file browsing available through Normal backup type.
3335725	The VMware ESX server search button fails during an alternate location restore.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3336238	A one-time script was created to remove an orphaned disk pool. The script will not be included in any other release vehicle.
3339508	Unable to browse or discover virtual machines on vCenter 4.1. The error "CREATE_CONTAINER_VIEW_ERROR" is seen in the bpVMutil logs.
3341375	The VMware ESX server search button fails during an alternate location restore.
3354892	A VMware GRT browse fails with status code 220 and a "FilterConnectCommunicationPort FILE_NOT_FOUND" error.
3356167	A one-time script was created to address a problem with decommissioning media servers when disk objects still exist. The script will not be included in any other release vehicle.
3356355	A one-time script was created to remove an MSDP NDMP storage server from three servers. The script will not be included in any other release vehicle.
3357356	A one-time script was created to address an issue where a host could not be deleted. The script will not be included in any other release vehicle.
3357437	A one-time script was created to remove an orphaned disk group and disk volume. The script will not be included in any other release vehicle.
**3357483	A restore fails for Exchange 2013 server due to a Microsoft bug that can result in backups that cannot be restored with the roll-forward option. http://www.symantec.com/docs/TECH211876
3357862	A SharePoint 2010 GRT backup fails with status code 13 on the host running the Chinese locale.
3358176	If a system has more than 25 IPv6 interfaces, then the Private Branch Exchange (PBX) server protocol in the PBX C library fails.
3358533	Backups may become inaccessible if the nbdecommission command is run incorrectly for the removal of an MSDP server.
3363393	During a backup, the bptm process times out with the following underlying error in the NetBackup Deduplication Manager (spad): "[_handle_find] catalog is busy". The issue results from a large number of backups in a client and policy combination.
3364896	A one-time script was created to delete two disk pools as the storage server has already been removed. The script will not be included in any other release vehicle.
3366160	NetBackup OpsCenter Custom Reports issue.
3376380	Turn the Sybase Adaptive Server Anywhere (ASA) monitor off.

Table 8-1 NetBackup 7.6 GA EEB listing (*continued*)

Etrack Number	EEB Description
3385159	Installation of the NetBackup 7.5.0.6 Windows Server 2012 client package fails due to the presence of PostgreSQL.
3394981	SQL script to remove traces of a disk pool and volume from NetBackup's database stemming from an incorrectly decommissioned storage server.
3404701	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3412295	NetBackup Resource Management issue.
3419129	NetBackup Open Storage issue.
3423911	NetBackup Resource Management issue.
3423924	NetBackup Resource Management issue.
3425253, version 1	NetBackup Systems Management (Policies, Scheduling, and so forth.) issue.
3426007	NetBackup Communication Protocol issue.
3427732	NetBackup Resource Management issue.
3435942	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3439798, version 1	NetBackup Service Layer issue.
3443056	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3447804	NetBackup Storage Lifecycle Policies issue.
3458066	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.
3460499	A one-time script was created to address a specific condition. The script will not be included in any other release vehicle.

NetBackup 7.6 GA release content listing

This topic contains a list of some of the known issues that were fixed and included in the NetBackup 7.6 GA release.

Etrack Incident: 3328275

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A
- Description:
The NetBackup OpsCenter installation failed with Error 1723.

Etrack Incident: 3329121

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
An error or loss of policy properties occurred when the Remote Administration Console on Windows was used to manage one or more NetBackup master servers.

Etrack Incident: 3349472

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Issues occurred with the NetBackup Plug-in for VMware vCenter installer if the vCenter server password contained special characters.

Etrack Incident: 1243720

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
If the `bpimage -newserver new host name` command was run without the `-oldserver` argument, then `bpimage` changed the media server in every fragment in the image database to the new server name.

Etrack Incident: 2251650

- Associated Primary Etrack: 2219175
- Associated Service Request Etrack(s): 2219128
- Description:
When a user was deleted, all user data such as **Public Reports**, schedules, and views were also deleted. An option is now available to preserve the data instead of having to manually copy it to other users.

Etrack Incident: 2273726

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A

- **Description:**
 On Windows, the NetBackup consistency check utility (`nbcc`) did not obtain the end user's currently configured "digit grouping symbol". This new method is used as part of the process of determining the amount of free disk space available in the output directory file system.

Etrack Incident: 2354100

- Associated Primary Etrack: 2091918
- Associated Service Request Etrack(s): 2091698
- **Description:**
 The `nbpem` process core dumps when duplicate client entries exist. The issue occurs after a policy client list is modified with manual edits to the client text file. A validation has been added to `pem2` to check for duplicate entries.

Etrack Incident: 2387433

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- **Description:**
 The NetBackup Support Utility (`nbsu`) for Mac OS X previously required Rosetta. Starting with the Mac OS X 10.6 client for the NetBackup 7.6 release, `nbsu` no longer requires Rosetta.

Etrack Incident: 2571388

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- **Description:**
 The volume pool in schedules could not be overridden unless the storage unit was overridden as well. Since overriding the storage unit is not necessary in this situation, the limitation was part of the NetBackup Administration Console on Windows.

Etrack Incident: 2586598

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- **Description:**
 The `nbdecommission` utility moves the media one-by-one by calling APIs that are similar to `bpmedia -movedb`. This method is slow and can take a lot of time. Therefore, the `-bulk_media_move` option was added to `nbdecommission` to move all of the media in a bulk operation. This method improves the performance

of the `nbdecommission` command. However, the `-bulk_media_move` option does not report which media are moved. Therefore, `-bulk_media_move` was added as an option to allow a user to pick whether to run with the new option or not.

Etrack Incident: 2604935

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
Deleting an OpsCenter user would also delete all descendant users.

Etrack Incident: 2646226

- Associated Primary Etrack: 2646121
- Associated Service Request Etrack(s): 2646112
- Description:
If an email address longer than 255 characters was configured in a NetBackup catalog backup policy on a master server, then the data collection of the master server for **Policy** and **Schedule** data failed with the following error: `SQL Anywhere Error -638: Right truncation of string data.`

Etrack Incident: 2659544

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
When the NetBackup consistency check utility (`NBCC`) was run with `-upgrade` it generated `Oper_17` inconsistency codes.

Etrack Incident: 2667108

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
If `REVERSE_NAME_RESOLUTION=PROHIBITED` is set, then NetBackup does not make reverse name lookups. However, some NetBackup components like PBX continued to make reverse name lookups even when this setting was in place.

Etrack Incident: 2676958

- Associated Primary Etrack: 2323269
- Associated Service Request Etrack(s): 2323125

- **Description:**
 An upgrade from NetBackup OpsCenter 7.0 to version 7.1 failed with a fatal error.

Etrack Incident: 2688690

- Associated Primary Etrack: 2688689
- Associated Service Request Etrack(s): 2688688
- **Description:**
 When a VMware backup job was canceled, `bpbkar` and VxMS kept running and `bpfis` got triggered to delete snapshot.

Etrack Incident: 2695938

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- **Description:**
 When Vault reports were run using the `vlteject -reports` command, unnecessary error messages were logged in the session log.

Etrack Incident: 2705727

- Associated Primary Etrack: 2700031
- Associated Service Request Etrack(s): 2700029
- **Description:**
 An issue exists when an image existed in a previous release in the **DBM_Image** table but the image header is not in the images directory. That causes the `bpdbm -upgrade_images` command to fail. The failure will not allow `nbstserv` to process the Storage Lifecycle Policy worklist because of an incomplete upgrade. The issue is resolved when the fix is applied and the `bpdbm - upgrade_images` command is re-run.

Etrack Incident: 2707258

- Associated Primary Etrack: 2697108
- Associated Service Request Etrack(s): 2697068
- **Description:**
 An issue occurred when an entry in the `DBM_Image` table existed in NetBackup 7.1, but the client directory had been manually removed. That caused the `bpdbm -upgrade_images` command to fail after an upgrade.

Etrack Incident: 2710165

- Associated Primary Etrack: 2704935

- Associated Service Request Etrack(s): 2704902
- Description:
An Oracle table export that ran for a long time would hang and end with status code 41.

Etrack Incident: 2713814

- Associated Primary Etrack: 2689945
- Associated Service Request Etrack(s): 2689538
- Description:
The elapsed time for synthetic backups displayed incorrectly in the NetBackup Administration Console for client backup reports.

Etrack Incident: 2722273

- Associated Primary Etrack: 2701862
- Associated Service Request Etrack(s): 2701828
- Description:
Replication, restore, and verification failures occur on backup copies. The issue occurs when the PureDisk Deduplication Option is used in an environment where a time mismatch exists between the source and the destination location.

Etrack Incident: 2743225

- Associated Primary Etrack: 2715718
- Associated Service Request Etrack(s): 2714746
- Description:
Many SLP jobs within NetBackup that had completed would report within OpsCenter with an In Process state despite also reporting a completed time.

Etrack Incident: 2744701

- Associated Primary Etrack: 2699740
- Associated Service Request Etrack(s): 2699669
- Description:
The Fibre Transport service (nbfdrv64) encountered a segmentation fault due to a buffer overrun issue.

Etrack Incident: 2757778

- Associated Primary Etrack: 2706291
- Associated Service Request Etrack(s): 2706292
- Description:

An import on a target server fails if the target server is below version 7.5. The issue occurs when Automatic Image Replication is used to replicate Catalog Backup images from one domain to another. The solution requires a patch on top of 7.1 before the import is successful.

Etrack Incident: 2758175

- Associated Primary Etrack: 2751795
- Associated Service Request Etrack(s): 2751761
- Description:
 The **Client Risk Analysis** report displayed incorrect entries (even for successful backups) of clients with snapshot backups that had multistreaming enabled in their NetBackup Policy. Therefore, even if these clients were backed up successfully, they were shown in the report.

Etrack Incident: 2760835

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 For Exchange backups, if the file name length exceeded the database limit then data collection would fail.

Etrack Incident: 2761661

- Associated Primary Etrack: 2748853
- Associated Service Request Etrack(s): 2748842
- Description:
 Because many virtual clients exist as entities with both the short name and long (FQDN) names, problems could occur with the **Virtual Client Summary** report. After a merge of clients, the old clients were deleted from the view and not replaced by the new clients.

Etrack Incident: 2777197

- Associated Primary Etrack: 2769048
- Associated Service Request Etrack(s): 2769009
- Description:
 Many SLP jobs within NetBackup that had completed would report within OpsCenter with an **In Process** state despite also reporting a completed time.

Etrack Incident: 2783980

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A
- Description:

An issue occurred where upgrades on AIX, Linux, and Solaris could fail if the `/usr/opensv/db/data` directory was a link. For Solaris, the issue affected all upgrades to NetBackup through version 7.5.0.4. For AIX and Linux, the issue only affected upgrades from NetBackup 7.5 through version 7.5.0.4. The installation problem did not affect HP systems. Additionally, this issue did not occur if the `/usr/opensv/db` directory was a link. The problem is the result of how the native package installers recognize symbolic links from `/usr/opensv/db/data` to an alternate location.

Etrack Incident: 2791839

- Associated Primary Etrack: 2736576
- Associated Service Request Etrack(s): 2736548
- Description:

A problem has been corrected where VMware Intelligent Policy incremental backups back up too much data.

Etrack Incident: 2793898

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:

Deselecting columns from the Tabular Backup Report did not alter the query being used. For example, a job with multiple files backed up showed only one record in NetBackup OpsCenter 7.6 if the **Job Directory** column was not selected. However, in NetBackup OpsCenter 7.5, the report showed multiple duplicate records for each file that was backed up.

Etrack Incident: 2795258

- Associated Primary Etrack: 2770411
- Associated Service Request Etrack(s): 2795254
- Description:

Accelerator validation failed for a valid storage unit when a policy was saved from the NetBackup Remote Administration Console.

Etrack Incident: 2817945

- Associated Primary Etrack: 2814656
- Associated Service Request Etrack(s): 2814629
- Description:

A single file restore from a virtual machine that has a vmdk size greater than 1 TB failed on an AIX master server with the following error: `get_bitmap: cant allocate bitmap.`

Etrack Incident: 2841044

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The NetBackup consistency check utility (NBCC) did not check for configurations where a master server or media server is incorrectly configured as an NDMP host.

Etrack Incident: 2852958

- Associated Primary Etrack: 2817912
- Associated Service Request Etrack(s): 2817292
- Description:
OpsCenter data collection would fail during an attempt to connect to a Hyper-V server that is offline but is still defined within an inactive backup policy.

Etrack Incident: 2909652

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
In a rare scenario, a NetBackup OpsCenter upgrade from version 7.1.0.2 to version 7.5 failed as the installer upgraded the OpsCenter database. The following error was reported: `fatal error during installation.`

Etrack Incident: 2919701

- Associated Primary Etrack: 2884767
- Associated Service Request Etrack(s): 2884700
- Description:
Installations of NetBackup OpsCenter could have failed on computers that run an OS in the French locale.

Etrack Incident: 2925588

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:

MSSQL 2012 database backups failed even though the parent backup job exited with status code 0. This behavior occurs if the `LocalSystem` account is specified in the NetBackup client service and the account doesn't have the system administrator role. Note: In MSSQL 2012, the `SYSTEM` account is not automatically granted the system administrator security role by default after install, but it is by default for MSSQL 2008.

Etrack Incident: 2929342

- Associated Primary Etrack: 2916179
- Associated Service Request Etrack(s): 2916152
- Description:
The Backup, Archive, and Restore interface allowed the virtual hard disk (VHD) restore option for all types of backup except database agent backups, instead of only Windows type backup.

Etrack Incident: 2936475

- Associated Primary Etrack: 2930877
- Associated Service Request Etrack(s): 2929563
- Description:
The NetBackup consistency repair utility (`NBCCR`) did not process the `MContents ExpireImagesNotOnTape` parameter correctly.

Etrack Incident: 2957099

- Associated Primary Etrack: 2952453
- Associated Service Request Etrack(s): 2952433
- Description:
Issues would occur when the value was set to 32272 days (about 88 years) for the following fields under **Clean-up** properties in the **NetBackup Administration Console: Keep logs, Keep vault logs, and Keep true image restoration (TIR) information**. NetBackup converted the value into number of seconds and that value generated an overflow. Higher values caused the backup to fail with status code 20. These fields now have a maximum value of 24855 days.

Etrack Incident: 2976001

- Associated Primary Etrack: 2927866
- Associated Service Request Etrack(s): 2927459
- Description:

SAN Client was unable to recognize the new default multipath device drivers on HP-UX machines and only worked with legacy tape devices. The Client now supports the multipath device drivers.

Etrack Incident: 2990696

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
An issue occurred where VMware backups would fail with status codes 50 and 84 and generate a backup-and-archive manager (bpbkar) core dump issue on a NetBackup appliance.

Etrack Incident: 2991668

- Associated Primary Etrack: 2696249
- Associated Service Request Etrack(s): 2696230
- Description:
Data collection failed if the database was manually rebuilt or reloaded to a file using a lower case database administrator account user. For example, dba instead of DBA.

Etrack Incident: 2995132

- Associated Primary Etrack: 2743860
- Associated Service Request Etrack(s): 2743709
- Description:
Because of a bug in the bpbjobd service, the current file being backed up was not getting updated. The current file could not be seen in the **Job Details** of the **Activity Monitor**.

Etrack Incident: 2996558

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
NetBackup had a hard-coded 8192 file handle limit on the NetBackup Backup-and-Archive Manager (bpbkar). This setting is now tunable.

Etrack Incident: 3019167

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:

The NetBackup consistency check utility (NBCC) did not normalize host names based upon Enterprise Media Manager (EMM) machine type. This issue caused NBCCA to report false-positive `Oper_17` and `Oper_19_1` inconsistency codes.

Etrack Incident: 3020502

- Associated Primary Etrack: 2896863
- Associated Service Request Etrack(s): 2896814
- Description:
OpsCenter users could not save reports in a multi-level hierarchy. For example, a report could not be saved to a folder within a folder.

Etrack Incident: 3030271

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The PureDisk-generated message "Task ended on server PureDisk xxxx" was incorrectly logged in the NetBackup disk error reports at Error level instead of as an informational message.

Etrack Incident: 3038895

- Associated Primary Etrack: 3037457
- Associated Service Request Etrack(s): 3037448
- Description:
A `SET` directive was being written to the `nb_JobFilesArchive` table.

Etrack Incident: 3072873

- Associated Primary Etrack: 3065660
- Associated Service Request Etrack(s): 3065644
- Description:
The **All Failed Backups** report did not or could not display any data for duplications.

Etrack Incident: 3098592

- Associated Primary Etrack: 3086360
- Associated Service Request Etrack(s): 3085841
- Description:
The **Encryption** column for the **Images on Media** and **Images on Disk** reports did not correctly display encrypted backups as **yes** in the NetBackup Administration Console.

Etrack Incident: 3104046

- Associated Primary Etrack: 3084768
- Associated Service Request Etrack(s): 3084743
- Description:
 Issues could occur with running NetBackup Snapshot Client Frozen Image Method (FIM)-based backups on computers where EMC Virtual Storage Integrator is installed. This situation also could occur when an incomplete uninstallation of EMC Solutions Enabler (SYMCLI) has left behind directory entries in the absence of any SYMCLI binaries.

Etrack Incident: 3108443

- Associated Primary Etrack: 3094585
- Associated Service Request Etrack(s): 3094572
- Description:
 Attempts to delete a master server from OpsCenter failed.

Etrack Incident: 3117892

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
 Spurious messages may have shown up in the NetBackup error log. The messages appeared in a format similar to the following: 1363190793 1 2 16 master-server-host-name 0 0 0 *NULL* bprd vnet_cached_getnameinfo() for client-ip-address failed, Unknown error 18446744073709551614 (-2). These messages should not have appeared in the error log.

Etrack Incident: 3121097

- Associated Primary Etrack: 3094188
- Associated Service Request Etrack(s): 3094108
- Description:
 The output of `bpdjobs` was modified to accommodate different time and date formats.

Etrack Incident: 3123534

- Associated Primary Etrack: 3121527
- Associated Service Request Etrack(s): 3121317
- Description:

If `RESILIENT_NETWORK` was enabled, the user was unable to use the `update_clients` command to push NetBackup software to a UNIX or Linux client.

Etrack Incident: 3136539

- Associated Primary Etrack: 3129526
- Associated Service Request Etrack(s): 3129524
- Description:
A NetBackup OpsCenter database upgrade failed with the following error when there was a space in the event name: `SQL Anywhere Error -131: Syntax error when doing CALL <EVENTNAME>;`.

Etrack Incident: 3147867

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The NetBackup consistency check utility (`nbcc`) did not complete due to the incorrect processing of the SAN Client application cluster definitions. The issue resulted from the processing of Enterprise Media Manager (EMM) application clusters and configured storage units or disk pools where Fibre Transport media servers were not excluded from the processing.

Etrack Incident: 3148748

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
The `bpimport -drfile` command failed with a status code 232 if the NetBackup Database Manager found a referenced deleted image.

Etrack Incident: 3178668

- Associated Primary Etrack: 3137320
- Associated Service Request Etrack(s): 3137180
- Description:
In a certain configuration, Bare Metal Restore (BMR) recovery failed with a Network Initialization error, due to an incompatible older version of a network driver.

Etrack Incident: 3232294

- Associated Primary Etrack: N/A

- Associated Service Request Etrack(s): N/A
- Description:
For a virtual machine (VM) restore, the media server or the proxy host name was displayed instead of the client name in reports and alerts. This issue occurred because the VM restore operation runs on the proxy host or the media server and not on the actual client.

Etrack Incident: 3237614

- Associated Primary Etrack: 3237263
- Associated Service Request Etrack(s): 3237221
- Description:
Import would never occur when users configured a Media Server Deduplication Pool (MSDP) storage server as an Auto Image Replication target and that storage server also had a machine alias configured. The machine alias would not properly resolve.

Etrack Incident: 3246539

- Associated Primary Etrack: 3227513
- Associated Service Request Etrack(s): 3227360
- Description:
The initial load time for the NetBackup Plug-in for VMware vCenter was slow when there were lots of backup events pushed by NetBackup to vCenter.

Etrack Incident: 3275170

- Associated Primary Etrack: 3270718
- Associated Service Request Etrack(s): 3269660
- Description:
All of the backups that used a specific media server would fail with status code 25 from the NetBackup tape management process (`bptm`) after an upgrade to NetBackup 7.5.0.6 or NetBackup Appliance 2.5.3.

Etrack Incident: 3306915

- Associated Primary Etrack: 3293599
- Associated Service Request Etrack(s): 3306888
- Description:
Upgraded Microsoft Visual C++ 2010 run-time DLLs. The new version of Visual C++ was included to correct an issue with symbolic links on Windows platforms. For more information on the symbolic link issue, refer to the following article on the Microsoft Support website: <http://support.microsoft.com/kb/2889080>

Etrack Incident: 403414

- Associated Primary Etrack: N/A
- Associated Service Request Etrack(s): N/A
- Description:
In the **Activity Monitor**, when viewing the **File List** of the **Job Overview** of a multistream snapshot or file-based backup, all jobs showed the same file path.

About SORT for NetBackup Users

This appendix includes the following topics:

- [About Symantec Operations Readiness Tools](#)
- [Recommended SORT procedures for new installations](#)
- [Recommended SORT procedures for upgrades](#)

About Symantec Operations Readiness Tools

Symantec Operations Readiness Tools (SORT) is a robust set of standalone and web-based tools that support Symantec enterprise products. For NetBackup, SORT provides the ability to collect, analyze, and report on host configurations across UNIX/Linux or Windows environments. This data is invaluable when you want to assess if your systems are ready for an initial NetBackup installation or for an upgrade.

Access SORT from the following webpage:

<https://sort.symantec.com/netbackup>

Once you get to the SORT page, more information is available as follows:

- **Installation and Upgrade Checklist**
Use this tool to create a checklist to see if your system is ready for a NetBackup installation or an upgrade. This report contains all the software and the hardware compatibility information specific to the information provided. The report also includes product installation or upgrade instructions, as well as links to other references.
- **Hot fix and EEB Release Auditor**

Use this tool to find out whether a release that you plan to install contains the hot fixes that you need.

- **Custom Reports**

Use this tool to get recommendations for your system and Symantec enterprise products.

- **NetBackup Future Platform and Feature Plans**

Use this tool to get information about what items Symantec intends to replace with newer and improved functionality. The tool also provides insight about what items Symantec intends to discontinue without replacement. Some of these items include certain NetBackup features, functionality, 3rd-party product integration, Symantec product integration, applications, databases, and the OS platforms.

Help for the SORT tools is available. Click **Help** in the upper right corner of the SORT home page. You have the option to:

- Page through the contents of the help similar to a book
- Look for topics in the index
- Search the help with the search option

Recommended SORT procedures for new installations

Symantec recommends new NetBackup users perform the three procedures that are listed for an initial introduction to SORT. The tool has many other features and functions, but these serve as a good introduction to SORT. In addition, the procedures provide a helpful base of knowledge for other SORT functionality.

Table A-1

Procedure	Details
Create a SymAccount profile on the SORT webpage	See "To create a SymAccount profile on the SORT page" on page 205.
Create generic installation reports	See "To create a generic installation checklist" on page 205.
Create system-specific installation reports	See "To create a system-specific installation report for Windows" on page 206. See "To create a system-specific installation report for UNIX or Linux" on page 207.

To create a SymAccount profile on the SORT page

- 1 In your web browser, navigate to:
<https://sort.symantec.com/netbackup>
- 2 In the upper right corner, click **Register**.
- 3 Enter the requested login and contact information:

Email address	Enter and verify your email address
Password	Enter and verify your password
First name	Enter your first name
Last name	Enter your last name
Company name	Enter your company name
Country	Enter your country
Preferred language	Select your preferred language
CAPTCHA text	Enter the displayed CAPTCHA text. If necessary, refresh the image.

- 4 Click **Submit**.
- 5 When you receive your login information, you can log into SORT and begin uploading your customized information.

To create a generic installation checklist

- 1 In your web browser, navigate to:
<https://sort.symantec.com/netbackup>
- 2 Find the **Installation and Upgrade Checklist** widget.

3 Specify the requested information

Product	Select the appropriate product from the drop-down menu. For NetBackup select NetBackup Enterprise Server or NetBackup Server .
Product version you are installing or upgraded to	Select the correct version of NetBackup. The most current version is always shown at the top of the list.
Platform	Select the operating system that corresponds to the checklist you want generated.
Processor	Select the correct processor type for your checklist.
Product version you are upgrading from (optional)	For new installations, do not make any selections. For upgrades, you can select the currently installed version of NetBackup.

4 Click **Generate Checklist**.

- 5 A checklist corresponding to your choices is created. You can modify your selections from this screen, and click **Generate Checklist** to create a new checklist.

You can save the resulting information as a PDF. Numerous options are available for NetBackup and many of them are covered in the generated checklist. Please spend time reviewing each section to determine if it applies to your environment.

To create a system-specific installation report for Windows

- 1 Go to the SORT website:
<https://sort.symantec.com/>
- 2 Select **SORT > SORT for NetBackup**
- 3 In the **Custom Reports Using Data Collectors**, select the **Data Collector** tab.
- 4 Select the radio button for **Graphical user interface** and download the correct data collector for your platform.

The data collector is OS-specific. To collect information about Windows computers, you need the Windows data collector. To collect information about UNIX computers, you need the UNIX data collector.

- 5 Launch the data collector after it finishes downloading.

- 6 On the **Welcome** screen, select **NetBackup** from the product family section and click **Next**.
- 7 On the **System Selection** screen, add all computers you want analyzed. Click **Browse** to see a list of computers you can add to the analysis. Symantec recommends starting the tool with an administrator or a root account.
- 8 When all systems are selected, review the **System names** section and click **Next**.
- 9 In the **Validation Options** screen, under **Validation options**, select the version to which you plan to upgrade.
- 10 Click **Next** to continue
- 11 The utility performs the requested checks and displays the results. You can upload the report to My SORT, print the results, or save them. Symantec recommends that you upload the results to the My SORT website for ease of centralized analysis. Click **Upload** and enter your My SORT login information to upload the data to My SORT.
- 12 When you are finished, click **Finish** to close the utility.

To create a system-specific installation report for UNIX or Linux

- 1 Go to the SORT website:
<https://sort.symantec.com/>
- 2 Select **SORT > SORT for NetBackup**
- 3 Change to directory that contains downloaded utility.
- 4 In the **Custom Reports Using Data Collectors**, select the **Data Collector** tab.
- 5 Download the appropriate data collector for your platform.

The data collector is OS-specific. To collect information about Windows computers, you need the Windows data collector. To collect information about UNIX computers, you need the UNIX data collector.
- 6 Run `./sortdc`

The utility performs checks to confirm the latest version of the utility is installed. In addition, the utility checks to see it has the latest data. The utility then lists the location of the log file for this session.
- 7 If requested, press **Enter** to continue.
- 8 Select the **NetBackup Family** at the **Main Menu**.

- 9 Select **Installation/Upgrade report** when prompted **What task do you want to accomplish?**
 You can select multiple options by separating your response with commas.
- 10 Specify the system or systems you want included in the report.
 If you previously ran a report on the specified system, you may be prompted to run the report again. Select **Yes** to re-run the report.
 The utility again lists the location of the log files for the session.
 The progress of the utility is displayed to the screen.
- 11 Specify **NetBackup** when prompted for the product you want installation or upgrade reports.
- 12 Enter the number that corresponds to the version of NetBackup you want to install.
 The utility again lists the location of the log files for the session.
 The progress of the utility is displayed to the screen.
- 13 The utility prompts you to upload the report to the SORT website if you want to review the report online. The online report provides more detailed information than the text-based on-system report.
- 14 When your tasks are finished, you can exit the utility. You have the option to provide feedback on the tool, which Symantec uses to make improvements to the tool.

Recommended SORT procedures for upgrades

Symantec recommends current NetBackup users perform the three procedures that are listed for an initial introduction to SORT. The tool has many other features and functions, but these serve as a good introduction to SORT for users who already use NetBackup. In addition, the procedures provide a helpful base of knowledge for other SORT functionality.

Table A-2

Procedure	Details
Create a SymAccount profile on the SORT webpage	See "To create a SymAccount profile on the SORT page" on page 205.

Table A-2 (continued)

Procedure	Details
Create a system-specific upgrade report	See "To create a system-specific installation report for Windows" on page 206. See "To create a system-specific installation report for UNIX or Linux" on page 207.
Review the future platform and feature plans. Review the hot fix and emergency engineering binary release auditor information.	See "To review future platform changes and feature plans" on page 209. See "To review hot fix and emergency engineering binary information" on page 209.

To review future platform changes and feature plans

- 1 In your web browser, navigate to:
<https://sort.symantec.com/netbackup>
- 2 Find the **NetBackup Future Platform and Feature Plans** widget.
- 3 Click **Display Information**.
- 4 Review the information provided
- 5 Optional - sign in to create notification - Click **Sign in and create notification**.

To review hot fix and emergency engineering binary information

- 1 In your web browser, navigate to:
<https://sort.symantec.com/netbackup>
- 2 Find the **NetBackup Hot Fix and EEB Release Auditor** widget.
- 3 Enter the hot fix or emergency engineering binary (EEB) information.
- 4 Click **Search**.
- 5 The new page shows a table with the following columns:

Hot fix of EEB Identifier	Shows the hot fix or EEB number that was entered on the previous screen.
Description	Displays a description of the problem that is associated with the hot fix or EEB.
Resolved in Versions	Provides the version of NetBackup where this issue is resolved.