

Veritas[™] Disaster Recovery Advisor Release Notes

AIX, ESX, HP-UX, Linux, Solaris,
Windows Server

6.1.1

Veritas Disaster Recovery Advisor Release Notes

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j-Interop: Pure Java - COM Bridge

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Introduction

This document provides important information about Veritas Disaster Recovery Advisor (DRA) by Symantec.

Before you install DRA, review this entire document and read the Late Breaking News TechNote for the latest information on updates, patches, and software issues for this release:

www.symantec.com/docs/TECH68401

DRA features

DRA is a data protection risk assessment solution that lets you diagnose high availability (HA) and disaster recovery (DR) problems (also called gaps) and optimize data protection. DRA enables enterprises to effectively manage business continuity implementations, to ensure that their critical business data is protected. DRA automatically detects and alerts you to any potential gaps, best practice violations, or service level agreement (SLA) breaches.

DRA is an agentless enterprise discovery and monitoring tool that automatically scans your infrastructure and detects gaps and infrastructure vulnerabilities in your HA/DR implementation.

DRA gathers information about your environment and does the following:

- Provides automated insight into your data replication environment to create an online, detailed, and up-to-date HA/DR topology
- Automatically detects and analyzes gaps and unprotected production areas using a signature knowledge base of over 5,000 signatures
- Discovers the current data protection status of your critical applications and compares it to the state needed to comply with HA/DR SLAs

DRA uses this information to provide the following:

- Detailed recommendations on how you can improve your environment, based on best practices and recovery objectives.
- Detailed lists and information about current data protection and HA/DR risks and the prioritized actions for fixing them. DRA also provides a variety of tools that let you drill down and analyze your environment using detailed tables and topology maps. You can use this information to fix the problems that DRA detects.
- Auditing and compliance documentation, including a map of your production environment, disaster recovery configuration, and dependencies.
- Identify differences between production, standby, and DR hosts.

System requirements and software limitations

Upgrading the DRA database to Oracle 11g is mandatory.

For more information about system requirements and software limitations, see *Veritas Disaster Recovery Advisor Support Requirements*.

New features

This DRA release introduces new features in the following categories:

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">■ Password rotation mechanism:<ul style="list-style-type: none">■ Adds a new credential type for automatic password rotation■ Lets you control rotation frequency■ Secure Active Directory (AD) support with Lightweight Directory Access Protocol (LDAP) Secure Socket Layer (SSL)■ Active Directory Authorization allows user authorization based on the AD domain group membership■ Granular ESX server selection for scanning let you choose whether to scan all ESX servers managed by each vCenter or select each server individually |
| Performance | <ul style="list-style-type: none">■ Shorter risk analysis run time■ Improved user interface response time for topology and configuration |
| Gaps | <ul style="list-style-type: none">■ New gap signatures |

Fixed issues

This DRA release fixes the following issues.

DRA collector installation may fail

If installation files are in a directory that has spaces in the directory name, the collector installation fails. [5950]

DRA may alert you about Hitachi/IBM physical volumes that do not have storage volumes

DRA may open a scanning issue about Hitachi/IBM direct-attached storage (DAS) volumes that do not have storage volumes. [5494]

Known issues

This DRA release has the following known issues. They should be fixed in future releases.

If you contact Symantec Technical Support about one of these issues, refer to the incident number in brackets.

Ticketing and reporting issues

Tickets reopen in the SQL Server backup files location gap

A bug in the SQL Server backup files location gap causes these tickets to reopen after each scan. [6704]

Workaround: Install DRA 6.1.1.1 Hot Fix 1.

For Windows hosts, the HBA Summary report may show used HBAs as unused

For Windows hosts, the Host Bus Adapter (HBA) Summary report may show that HBAs are not in use when they actually are. [6654]

Workaround: None.

DRA may generate false tickets about database files stored on a mixture of RAID types

When rollback segments and data files are separated, DRA may generate false tickets about database files stored on a mixture of RAID types. [3314]

Workaround: Suppress the tickets.

DRA may generate false tickets about an EMC Symmetrix device

DRA may generate false tickets about EMC Symmetrix device ID 000. [4440]

Workaround: Suppress the tickets.

When the Oracle DataGuard standby server is scanned, DRA may generate false tickets

When both the primary and standby Oracle DataGuard servers are scanned, DRA may generate false tickets about the standby database server. [6411]

Workaround: Suppress the tickets.

After an Oracle failover, DRA may generate false tickets

When an Oracle failover occurs, DRA may generate false tickets about image storage replication errors. [6342]

Workaround: Suppress the tickets.

If the collector's time is not synchronized, DRA may generate false tickets

When cluster nodes are scanned using different collectors, DRA may generate false tickets if the collector's time is not synchronized. [6141]

Workaround: Suppress the tickets.

Cycle issues

In specific scenarios, when a replication source becomes the target and the target becomes the source, DRA does not calculate the data age for the replication

This error may occur when, between two scans, the source is changed to be the target and the target was changed to be the source. [4410]

Workaround: None.

Topology view issues

The Topology search for relationships may take too long to complete

When DRA searches for *stored on* between a physical volume and a Symmetrix device, the results may not appear for 15 minutes. [2757]

Workaround: Symantec recommends that you use the Topology module, browse to the selected host, and review the associations between the host's physical volumes and Symmetrix devices. This process is more focused, efficient, and significantly shorter.

Service Level Agreement (SLA) issues

In certain circumstances, the SLA module is only partially updated

Adding a business entity partially updates the SLA module. [4172]

Workaround: After you add a business entity, run a full cycle so the changes take effect.

Configuration issues

Setting an SLA in the Edit Business Entity wizard might fail in Internet Explorer (IE) 6

JavaScript errors may pop up when setting an SLA in the Edit Business Entity wizard using Internet Explorer 6. [5819]

Workaround: Try again or use the **Edit Role & SLA Definition** button.

Scanning issues

Error when displaying storage array scanning errors

Storage array scanning errors are not displayed. [6678]

Workaround: Install DRA 6.1.1.1 Hot Fix 1.

The comparison module shows ESX clusters that were not marked for scanning

When you choose which ESX clusters to scan, the comparison module shows all the ESX clusters, even those that you did not mark for scanning. [6712]

Workaround: Install DRA 6.1.1.1 Hot Fix 1.

The vCenter scan fails when you choose the ESX servers to scan

When there is more than one vCenter, choosing which ESX server to scan causes the first vCenter to be scanned twice. [6691]

Workaround: Install DRA 6.1.1.1 Hot Fix 1.

Dashboard displays incorrect data when you choose the ESX clusters to scan

When you choose which ESX clusters to scan, the dashboard displays incorrect data in the scan coverage summary. [6701]

Workaround: Install DRA 6.1.1.1 Hot Fix 1.

When DRA scans a suspended DB2 database, queries may fail

If DRA scans a database when the database is suspended, most queries may fail. [4439]

Workaround: None.

DB2 discovery fails on a host scanned using a proxy

DRA cannot discover DB2 on a UNIX host that is scanned through a proxy. [5201]

Workaround: Scan the host directly and not through the proxy.

DRA may identify unsupported devices incorrectly

DRA shows unsupported storage array devices as direct-attached storage (DAS) devices, which may open false tickets. [4310]

Workaround: Ignore or remove the tickets, or avoid scanning hosts that use storage that DRA does not support.

While a scan operation is running, users are not blocked from certain operations

While a scan operation (connectivity verification, discovery, or scan) is running, a user can edit and delete a host or database. [4312]

Workaround: While you run a scan, do not delete or edit the host or database.

Only active network interface cards (NICs) are collected on Solaris

DRA does not collect NICs which are unplumbed. [6100]

Workaround: None.

HBAs are not collected for HP-UX hosts

DRA does not collect HBA data for HP-UX hosts. [6653]

Workaround: None.

IBM DS GlobalMirror replication might not be presented correctly

DRA may fail to present IBM DS GlobalMirror replication. [6652]

Workaround: None.

IBM DS/XIV LUN discovery might be incorrect for UNIX hosts

DRA may fail to discover the correct LUN for UNIX hosts accessing IBM DS or XIV storage. [6651]

Workaround: None.

The collector configuration file is not updated

When you update the DRA server configuration file, the change might not populate to all the collectors. [6650]

Workaround: Restart the DRA server and then restart all the collectors.

Notes

- To avoid false positive tickets about storage access or storage area network (SAN) I/O configuration inconsistency that involves backup servers, configure the backup servers inside a business entity and assign the role Backup.
- After an upgrade, some tickets may be closed and reopened in a different form.

Policy issues

Cannot assign a policy to Windows hosts

You cannot assign a policy to Windows hosts in “Manage Host Connectivity Policies” even when the policy does not contain a rotating password credential. [6670]

Workaround: Install DRA 6.1.1.1 Hot Fix 1.

Dashboard issues

Dashboard displays incorrect data when you configure business entities hierarchies

When you configure business entities hierarchies, the dashboard and the business entity coverage report show data only for the top business entity. [6708]

Workaround: Install DRA 6.1.1.1 Hot Fix 1.

Limitations

Oracle database discovery

To discover Oracle databases, start the Oracle process or make sure that the `/etc/oratab` or `/var/opt/oracle/oratab` file should be present.

Recovery point objective (RPO)/service level agreement (SLA)

DRA also has the following RPO/SLA limitations:

- RPO/SLA is not supported in Hitachi Data System (HDS)
- RPO/SLA for NetAPP works only for direct replication from primary devices
- RPO/SLA for CLARiiON works only for direct replication from primary devices
- RPO/SLA is not calculated for EMC CLARiiON MirrorView/S
- RPO/SLA is not calculated for IBM DS and XIV

No topology images in Ticket Details report

Ticket Details report might be generated without topology images if many tickets are included. [3690]

Workaround: Run the report on selective tickets or increase the `Ticket details report topology number of tickets limitation` system property.

System API views changes

The System API views (SAPI) are an internal CMDB representing the IT environment.

New views

- SAPI_SITE
- SAPI_LABEL
- SAPI_LAST_SUCCESSFUL_SCAN
- SAPI_CONNECTIVITY_POLICY
- SAPI_SCAN_STATUS
- SAPI_SCAN_GROUP
- SAPI_ITEM_TO_POLICY
- SAPI_ITEM_TO_SCAN_GROUP
- SAPI_TICKET_TO_HOST
- SAPI_TICKET_TO_LABEL
- SAPI_CLUST_TO_BUSINESS_ENTITY

- SAPI_VMWARE_STORAGE_MAPPINGS
- SAPI_NETAPP_AGGREGATE
- V_HDS_ARRAY
- V_IBM_DS_ARRAY
- V_IBM_XIV_ARRAY
- V_IBM_SVC_ARRAY
- V_CLARiiON_ARRAY
- V_SYMMETRIX_ARRAY
- V_NETAPP_FILER

New columns

- SAPI_HOST.SITE_ID
- SAPI_STORAGE_ARRAY.SITE_ID
- SAPI_NETAPP_NAS.AGGREGATE_ID
- SAPI_NETAPP_NAS.AGGREGATE_NAME
- SAPI_MULTIPATH.LUN_NUMBER
- SAPI_MULTIPATH.SA_TYPE_PLUGIN
- SAPI_STORAGE_VOLUME.TOTAL_SIZE
- Rename SAPI_HOST.SITE to SAPI_HOST.SITE_NAME
- Rename
- SAPI_STORAGE_ARRAY.SITE to SAPI_STORAGE_ARRAY.SITE_NAME

Getting help

If you have a current support agreement, you may access Symantec Technical Support information here:

www.symantec.com/business/support/contact_techsupp_static.jsp

Customer service information is available here:

www.symantec.com/support/assistance_care.jsp

Note: If you forget or lose the DRA administrator password, contact Symantec Technical Support.
