

NetBackup Product Family Optimized Duplication and PDDO Interoperability

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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.

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

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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:

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Customer service

Customer service information is available at the following URL:

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

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- 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_apac@symantec.com

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

North America and Latin America supportsolutions@symantec.com

Contents

Technical Support	4	
Chapter 1	About optimized duplication and the PureDisk deduplication option (PDDO)	9
	About optimized duplication and the PureDisk deduplication option (PDDO) in the NetBackup product family	9
Chapter 2	Deduplication Appliance Software 1.4.5 support for optimized duplication with PureDisk deduplication option (PDDO)	12
	About Deduplication Appliance Software 1.4.5 support for optimized duplication and the PureDisk deduplication option (PDDO)	12
	Optimized duplication initiator requirements	13
	PureDisk deduplication option (PDDO) requirements	13
	Optimized Deduplication from PDDO to MSDP	13
Chapter 3	Deduplication Appliance Software 1.4.4 support for optimized duplication and the PureDisk deduplication option (PDDO)	14
	About Deduplication Appliance Software 1.4.4 support for optimized duplication and the PureDisk deduplication option (PDDO)	14
	Optimized duplication initiator requirements	15
	PureDisk deduplication option (PDDO) requirements	15
Chapter 4	Deduplication Appliance Software 1.4.3.1 support for optimized duplication and the PureDisk deduplication option (PDDO)	16
	About Deduplication Appliance Software 1.4.3.1 support for optimized duplication and the PureDisk deduplication option (PDDO)	16
	Optimized duplication initiator requirements	17
	PureDisk deduplication option (PDDO) requirements	17

Chapter 5	Deduplication Appliance Software 1.4.2 support for optimized duplication and the PureDisk deduplication option (PDDO)	18
	About Deduplication Appliance Software 1.4.2 support for optimized duplication and the PureDisk deduplication option (PDDO)	18
	Optimized duplication initiator requirements	19
	PureDisk deduplication option (PDDO) requirements	19
Chapter 6	Deduplication Appliance Software 1.4.1.1 support for optimized duplication and the PureDisk deduplication option (PDDO)	20
	About Deduplication Appliance Software 1.4.1.1 support for optimized duplication and the PureDisk deduplication option (PDDO)	20
	Optimized duplication initiator requirements	21
	PureDisk deduplication option (PDDO) requirements	21

About optimized duplication and the PureDisk deduplication option (PDDO)

This chapter includes the following topics:

- [About optimized duplication and the PureDisk deduplication option \(PDDO\) in the NetBackup product family](#)

About optimized duplication and the PureDisk deduplication option (PDDO) in the NetBackup product family

The compatibility information in this technical article pertains to the following products:

- NetBackup
- NetBackup 52xx appliances, which run NetBackup Appliance Software
- NetBackup 50xx appliances, which run Deduplication Appliance Software
- PureDisk ROE

[Table 1-1](#) provides an overview of optimized duplication and PDDO interoperability.

Table 1-1 Optimized duplication and PDDO guidelines

Feature	General guidelines
Optimized duplication	<p><i>Optimized duplication</i> sends unique, deduplicated backup segments from a NetBackup media server deduplication pool to another NetBackup media server deduplication pool within the same NetBackup domain.</p> <p>An optimized duplication <i>initiator</i> is a NetBackup media server that manages a duplication job between two deduplication pools, as follows:</p> <ul style="list-style-type: none"> ■ For optimized duplication between two deduplication pools in a single NetBackup domain, the initiator is chosen at random from the target storage unit's media server list. ■ For optimized duplication between two deduplication pools in two different NetBackup domains, the initiator is chosen at random from the source storage unit's media server list. <p>To enable optimized duplication, create a NetBackup storage lifecycle policy. For more information about optimized duplication and storage lifecycle policies, see one of the following:</p> <ul style="list-style-type: none"> ■ <i>Symantec NetBackup Deduplication Guide</i> ■ <i>Symantec NetBackup Administrator's Guide, Volume 1</i> <p>The following general compatibility statements apply to optimized duplication:</p> <ul style="list-style-type: none"> ■ Symantec does not support optimized duplication from higher PureDisk revisions to lower PureDisk revisions.
PDDO	<p>The <i>PureDisk deduplication option (PDDO)</i> enables a NetBackup media server to send its backup data to a PureDisk storage pool. PureDisk deduplicates the media server's data and stores the data within the storage pool. You can configure a PureDisk storage pool on a NetBackup 50xx deduplication appliance, or you can configure a PureDisk remote office edition (ROE) storage pool. The NetBackup 50xx deduplication appliance runs Deduplication Appliance Software, which includes PureDisk.</p> <p>For more information about PDDO, see the <i>PureDisk Deduplication Option Guide</i>.</p>

Symantec supports optimized duplication and PDDO only when compatible software levels are installed on the NetBackup, PureDisk, and appliance hosts. If you experience problems with optimized duplication, make sure that the NetBackup products you use meet all compatibility requirements. If necessary, upgrade one or more components to one of the compatible releases listed in this technical article.

The following topics explain the required compatibility levels in NetBackup products that support optimized duplication and PDDO:

- See [“About Deduplication Appliance Software 1.4.4 support for optimized duplication and the PureDisk deduplication option \(PDDO\)”](#) on page 14.
- See [“About Deduplication Appliance Software 1.4.3.1 support for optimized duplication and the PureDisk deduplication option \(PDDO\)”](#) on page 16.
- See [“About Deduplication Appliance Software 1.4.2 support for optimized duplication and the PureDisk deduplication option \(PDDO\)”](#) on page 18.
- See [“About Deduplication Appliance Software 1.4.1.1 support for optimized duplication and the PureDisk deduplication option \(PDDO\)”](#) on page 20.

Note: Please check this technical article on a regular basis for compatibility information updates that include information about new products and components.

Deduplication Appliance Software 1.4.5 support for optimized duplication with PureDisk deduplication option (PDDO)

This chapter includes the following topics:

- [About Deduplication Appliance Software 1.4.5 support for optimized duplication and the PureDisk deduplication option \(PDDO\)](#)
- [Optimized duplication initiator requirements](#)
- [PureDisk deduplication option \(PDDO\) requirements](#)
- [Optimized Deduplication from PDDO to MSDP](#)

About Deduplication Appliance Software 1.4.5 support for optimized duplication and the PureDisk deduplication option (PDDO)

The following describe how the Deduplication Appliance Software 1.4.5 release supports optimized duplication and PDDO:

See [“Optimized duplication initiator requirements”](#) on page 13.

See [“PureDisk deduplication option \(PDDO\) requirements”](#) on page 13.

Optimized duplication initiator requirements

Symantec supports optimized duplication between NetBackup, NetBackup 52xx appliances, and NetBackup 50xx deduplication appliances. If you have a NetBackup 50xx deduplication appliance that is running the Deduplication Appliance Software 1.4.5 release, Symantec Corporation requires that you use one of the following to initiate optimized duplication:

- NetBackup 7.1.0.4 or later
- A NetBackup 52xx appliance that is running NetBackup Appliance Software 2.0.3 or later

PureDisk deduplication option (PDDO) requirements

The Deduplication Appliance Software 1.4.5 release supports PDDO backups as follows:

- From a NetBackup media server running NetBackup 7.1.0.4 and later to a NetBackup 50xx deduplication appliance
- From a NetBackup 52xx appliance running NetBackup Appliance Software 2.0.3 and later to a NetBackup 50xx deduplication appliance

Optimized Deduplication from PDDO to MSDP

The Deduplication Appliance Software release 1.4.5 includes the ability to perform optimized deduplication from PureDisk Deduplication Option (PDDO) to Media Server Deduplication Option (MSDP). With this enhancement, you can now migrate data from a 50xx appliance to a 52xx appliance without any data loss.

Note: This enhancement requires NetBackup 7.6.1 or later or NetBackup Appliance 2.6.1 or later to function properly.

Deduplication Appliance Software 1.4.4 support for optimized duplication and the PureDisk deduplication option (PDDO)

This chapter includes the following topics:

- [About Deduplication Appliance Software 1.4.4 support for optimized duplication and the PureDisk deduplication option \(PDDO\)](#)
- [Optimized duplication initiator requirements](#)
- [PureDisk deduplication option \(PDDO\) requirements](#)

About Deduplication Appliance Software 1.4.4 support for optimized duplication and the PureDisk deduplication option (PDDO)

The following describe how the Deduplication Appliance Software 1.4.4 release supports optimized duplication and PDDO:

- See [“Optimized duplication initiator requirements”](#) on page 15.
- See [“PureDisk deduplication option \(PDDO\) requirements”](#) on page 15.

Optimized duplication initiator requirements

Symantec supports optimized duplication between NetBackup, NetBackup 52xx appliances, and NetBackup 50xx deduplication appliances. If you have a NetBackup 50xx deduplication appliance that is running the Deduplication Appliance Software 1.4.4 release, Symantec Corporation requires that you use one of the following to initiate optimized duplication:

- NetBackup 7.1.0.4 or later
- A NetBackup 52xx appliance that is running NetBackup Appliance Software 2.0.3 or later

PureDisk deduplication option (PDDO) requirements

The Deduplication Appliance Software 1.4.4 release supports PDDO backups as follows:

- From a NetBackup media server running NetBackup 7.1.0.4 and later to a NetBackup 50xx deduplication appliance
- From a NetBackup 52xx appliance running NetBackup Appliance Software 2.0.3 and later to a NetBackup 50xx deduplication appliance

Deduplication Appliance Software 1.4.3.1 support for optimized duplication and the PureDisk deduplication option (PDDO)

This chapter includes the following topics:

- [About Deduplication Appliance Software 1.4.3.1 support for optimized duplication and the PureDisk deduplication option \(PDDO\)](#)
- [Optimized duplication initiator requirements](#)
- [PureDisk deduplication option \(PDDO\) requirements](#)

About Deduplication Appliance Software 1.4.3.1 support for optimized duplication and the PureDisk deduplication option (PDDO)

The following describe how the Deduplication Appliance Software 1.4.3.1 release supports optimized duplication and PDDO:

- See [“Optimized duplication initiator requirements”](#) on page 17.

- See [“PureDisk deduplication option \(PDDO\) requirements”](#) on page 19.

Optimized duplication initiator requirements

Symantec supports optimized duplication between NetBackup, NetBackup 52xx appliances, and NetBackup 50xx deduplication appliances. If you have a NetBackup 50xx deduplication appliance that is running the Deduplication Appliance Software 1.4.3.1 release, Symantec Corporation requires that you use one of the following to initiate optimized duplication:

- NetBackup 7.1.0.3 or later
- A NetBackup 52xx appliance that is running NetBackup Appliance Software 2.0.2 or later

PureDisk deduplication option (PDDO) requirements

The Deduplication Appliance Software 1.4.3.1 release supports PDDO backups as follows:

- From a NetBackup media server running NetBackup 7.1.0.3 and later to a NetBackup 50xx deduplication appliance
- From a NetBackup 52xx appliance running NetBackup Appliance Software 2.0.2 and later to a NetBackup 50xx deduplication appliance

Deduplication Appliance Software 1.4.2 support for optimized duplication and the PureDisk deduplication option (PDDO)

This chapter includes the following topics:

- [About Deduplication Appliance Software 1.4.2 support for optimized duplication and the PureDisk deduplication option \(PDDO\)](#)
- [Optimized duplication initiator requirements](#)
- [PureDisk deduplication option \(PDDO\) requirements](#)

About Deduplication Appliance Software 1.4.2 support for optimized duplication and the PureDisk deduplication option (PDDO)

The following describe how the Deduplication Appliance Software 1.4.2 release supports optimized duplication and PDDO:

- See [“Optimized duplication initiator requirements”](#) on page 19.
- See [“PureDisk deduplication option \(PDDO\) requirements”](#) on page 19.

Optimized duplication initiator requirements

Symantec supports optimized duplication between NetBackup, NetBackup 52xx appliances, and NetBackup 50xx deduplication appliances. If you have a NetBackup 50xx deduplication appliance that is running the Deduplication Appliance Software 1.4.2 release, Symantec Corporation requires that you use one of the following to initiate optimized duplication:

- NetBackup 7.1.0.3 or later
- A NetBackup 52xx appliance that is running NetBackup Appliance Software 2.0.2 or later

PureDisk deduplication option (PDDO) requirements

The Deduplication Appliance Software 1.4.2 release supports PDDO backups as follows:

- From a NetBackup media server running NetBackup 7.1.0.3 and later to a NetBackup 50xx deduplication appliance
- From a NetBackup 52xx appliance running NetBackup Appliance Software 2.0.2 and later to a NetBackup 50xx deduplication appliance

Deduplication Appliance Software 1.4.1.1 support for optimized duplication and the PureDisk deduplication option (PDDO)

This chapter includes the following topics:

- [About Deduplication Appliance Software 1.4.1.1 support for optimized duplication and the PureDisk deduplication option \(PDDO\)](#)
- [Optimized duplication initiator requirements](#)
- [PureDisk deduplication option \(PDDO\) requirements](#)

About Deduplication Appliance Software 1.4.1.1 support for optimized duplication and the PureDisk deduplication option (PDDO)

The following describe how the Deduplication Appliance Software 1.4.1.1 release supports optimized duplication and PDDO:

- See [“Optimized duplication initiator requirements”](#) on page 21.

- See [“PureDisk deduplication option \(PDDO\) requirements”](#) on page 21.

Optimized duplication initiator requirements

If you have a NetBackup 50xx deduplication appliance that is running the Deduplication Appliance Software 1.4.1.1 release, Symantec Corporation requires that you use one of the following to initiate the optimized duplication:

- NetBackup 7.1.0.2 or later
- A NetBackup 52xx appliance that is running NetBackup Appliance Software 2.0 or later

You can configure a NetBackup 50xx deduplication appliance that is running Deduplication Appliance Software 1.4.1.1 as an optimized duplication target if the source is PureDisk in one of the following forms:

- PureDisk 6.6.3a or PureDisk 6.6.12 + EEB 2253079
- Deduplication Appliance Software 1.3 and later running on a NetBackup 50xx appliance

PureDisk deduplication option (PDDO) requirements

The Deduplication Appliance Software 1.4.1.1 release supports PDDO backups as follows:

- From a NetBackup media server running NetBackup 7.1.0.2 or 7.0.1 to a NetBackup 50xx appliance
- From a NetBackup 52xx appliance running NetBackup Appliance Software 2.0.1, 2.0, or 1.2 to a NetBackup 50xx appliance