

VERITAS NetBackup™ Storage Migrator 6.0

Release Notes

for UNIX

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Storage Migrator Release 6.0

These Release Notes provide important information concerning the VERITAS Storage Migrator (VSM) release 6.0.

Supported Platforms and Related Information

Note Storage Migrator must be run on a machine that is also a NetBackup server.

Supported Platforms

Storage Migrator release 6.0 is supported on the following platforms:

Supported Platforms

Platform Type	Operating System	File System Type
HP9000-800	HP-UX 11.0	OnlineJFS 3.3
HP9000-800	HP-UX 11.11	OnlineJFS 3.3 or 3.5
Sun UltraSPARC	Solaris 2.7, 8, 9, 10	VxFS 4.0 or 4.1

Supported Storage Devices

For information on optical disks that Storage Migrator supports, see the appendix on optical disks in the *Storage Migrator Administrator's Guide*.



Required Patches and Dependencies

HP-UX systems require patch number PHKL_25022 to 11.11 systems, and you must contact HP support for a correlating patch number if you run 11.0. It is possible that the patch number is out-of-date, and you will need to contact HP support for an up-to-date number. This patch prevents `migout` hanging in certain circumstances.

HP-UX 11.11 must be patched to prevent severe performance issues when you use VSM. You must install the following patches:

```
PHKL_32669 - s700_800 11.11 VxFS cumulative patch
PHKL_32772 - s700_800 11.11 VxFS 3.5-ga15 Kernel Cumulative Patch
```

New Features/Enhancements

Following are new features and enhancements for this release.

Overlay Icon for Migrated Files

When users back up or restore migrated files using NetBackup Backup, Archive, and Restore, the migrated files display an overlay icon to indicate that the file has been migrated and only the placeholder information is backed up or restored.

Support for Vaulting VSM tapes with NetBackup Vault

You can use NetBackup Vault 6.0 to manage offsite storage of VSM tapes. To use NetBackup Vault, you first configure a pool name in Vault. If VSM uses tapes in that pool and has set a return date, Vault performs a session on the appropriate profile to cause tapes to be ejected.

If vaulting has been configured, the stripe format in the `migconf` configuration file contains a *vaultpoolname* after the volume set number. The volume set availability for tapes that use Vault is `nbvault`, which adds 48 hours to the access-time bias.

You can configure vaulting when you create a new VSM configuration using either the Basic or Advanced wizard, or when you create levels and stripes by editing the stripe. The Stripe Properties dialog has a tab named **Vault** on which you configure options.

You can specify a return date for vaulted tapes and use the Scheduling Tool to set up vaulting to occur on a regular basis.

A new `-v` option for the `migmove` command vaults tapes after the `migmove` command has completed.

A NetBackup Vault license check is performed before you can configure VSM to use vaulting.

Consolidating Multiple Volumes Using VSM-Java

In earlier versions of VSM, you could consolidate multiple volumes using the command line. The new Consolidate Multiple Volumes Wizard lets you complete multiple volume consolidation using the VSM Administration Console.

New migvault Command

The `migvault` command scans the VOLDB volume database for tapes suitable for vaulting by NetBackup Vault.

Options let you scan for the vaulting attributes for a specific level: the vault pool name, vault partially filled tape flag, and vault return date. You can also scan for a specified volume with a specified return date.

Changes to migmdclean Command

The `migmdclean` command has changed. The `-O` and `-S` options are no longer valid, and `-h`, `-s`, and `-v` options have been added.

The `-h` option prints the usage statement, and the `-v` option specifies verbose output.

The `-s` option scans the FHDB to determine if each FHDB entry has a corresponding volume in the VOLDB. It drops all placeholder (`dk`) entries from the FHDB.

New -l Option for migrc Command

The `migrc -l database_name` command clears locks for the specified database. The `database_name` can be any of FHDB, VOLDB, DCOPIYDB, MOTAB, or IHAND.

Storage Migrator Guides and Related Documentation

The following manuals, along with the online help, comprise the Storage Migrator documentation set:

- ◆ The *Storage Migrator Release Notes* lists the supported platforms and operating systems and describes new features and problems fixed in this release. This file is available on the Storage Migrator release media as `StoMigrator_ReleaseNotes_UNIX.pdf`.



- ◆ The *Storage Migrator Installation Guide* describes how to install and configure a test system. This file is available on the Storage Migrator release media as `StoMigrator_InstallGuide_UNIX.pdf`.
- ◆ The *Storage Migrator Administrator's Guide* describes how to plan, configure, and maintain Storage Migrator. This document also contains man pages and information on tools available in VSM-Java. This file is available on the Storage Migrator release media as `StoMigrator_AdminGuide_UNIX.pdf`.

The following NetBackup manuals reside on the NetBackup Documentation CD. They are also necessary for installing and configuring Storage Migrator:

- ◆ The *NetBackup Release Notes* provide important information about supported platforms, operating systems, and peripheral storage equipment.
- ◆ The *NetBackup Installation Guide for UNIX and Linux* describes how to install NetBackup.
- ◆ The *NetBackup System Administrator's Guide for UNIX and Linux*, Volume 1 and Volume 2, describe how to configure and manage NetBackup.
- ◆ The *NetBackup Media Manager Device Configuration Guide for UNIX and Linux* describes how to configure storage devices controlled by Media Manager.
- ◆ The *NetBackup Media Manager System Administrator's Guide for UNIX and Linux* describes Media Manager, its components, and how they are used to manage media volumes, drives, and robots.

If you will be using the high availability features that Storage Migrator supports (VCS, SFCFS, or VVR), you will also need to refer to the guides recommended for use with those features in the *Storage Migrator Administrator's Guide*.

Getting Help

You can find answers to questions and get help from the NetBackup documentation and from the VERITAS technical support web site.

Finding NetBackup Documentation

A list of the entire NetBackup documentation set appears as an appendix in the *NetBackup Release Notes*. All NetBackup documents are included in PDF format on the NetBackup Documentation CD.

For definitions of NetBackup terms, consult the online glossary.

▼ To access the NetBackup online glossary

1. In the NetBackup Administration Console, click **Help** > **Help Topics**.
2. Click the **Contents** tab.
3. Click **Glossary of NetBackup Terms**.

Use the scroll function to navigate through the glossary.

Accessing the VERITAS Technical Support Web Site

The address for the VERITAS Technical Support Web site is <http://support.veritas.com>.

The VERITAS Support Web site lets you do any of the following:

- ◆ Obtain updated information about Storage Migrator, including system requirements, supported platforms, and supported peripherals
- ◆ Contact the VERITAS Technical Support staff and post questions to them
- ◆ Get the latest patches, upgrades, and utilities
- ◆ View the Storage Migrator Frequently Asked Questions (FAQ) page
- ◆ Search the knowledge base for answers to technical support questions
- ◆ Receive automatic notice of product updates
- ◆ Find out about Storage Migrator training
- ◆ Read current white papers related to Storage Migrator

From <http://support.veritas.com>, you can complete various tasks to obtain specific types of support for Storage Migrator:

1. Subscribe to the VERITAS Email notification service to be informed of software alerts, newly published documentation, Beta programs, and other services.
 - a. From the main <http://support.veritas.com> page, select a product family and a product.
 - b. Under Support Resources, click **Email Notifications**.

Your customer profile ensures you receive the latest VERITAS technical information pertaining to your specific interests.
2. Locate the telephone support directory at <http://support.veritas.com> by clicking the **Phone Support** icon. A page appears that contains VERITAS support numbers from around the world.



Note Telephone support for Storage Migrator is only available with a valid support contract. To contact VERITAS for technical support, dial the appropriate phone number listed on the Technical Support Guide included in the product box and have your product license information ready for quick navigation to the proper support group.

3. Contact technical support using e-mail.
 - a. From the main <http://support.veritas.com> page, click the **E-mail Support** icon.
A wizard guides you to do the following:
 - Select a language of your preference
 - Select a product and a platform
 - Provide additional contact and product information, and your message
 - Associate your message with an existing technical support case
 - b. After providing the required information, click **Send Message**.

Contacting VERITAS Licensing

For license information, you can contact us as follows:

- ◆ Call 1-800-634-4747 and select option 3
- ◆ Fax questions to 1-650-527-0952
- ◆ In the Americas, send e-mail to amercustomer@veritas.com.

In the Asia and Pacific areas, send email to apaccustomer@veritas.com.

In all other areas, send email to internationallicense@veritas.com.



Accessibility

Storage Migrator contains features that make the user interface easier to use by people who are vision impaired and by people who have limited dexterity. Accessibility features include the following:

- ◆ Support for assistive technologies such as screen readers and voice input software (Windows only)
- ◆ Support for keyboard (mouseless) navigation using accelerator keys and mnemonic keys

Accessibility features are documented in the Storage Migrator online help and in the *Storage Migrator Administrator's Guide*.

Comment on the Documentation

Let us know what you like and dislike about the documentation. Were you able to find the information you needed quickly? Was the information clearly presented? Report errors and omissions, or tell us what you would find useful in future versions of our manuals and online help.

Please include the following information with your comment:

- ◆ The title and product version of the manual you are commenting on
- ◆ The topic (if relevant) you are commenting on
- ◆ Your comment
- ◆ Your name

Email your comment to NBDocs@veritas.com

Please only use this address to comment on product documentation. See "[Accessing the VERITAS Technical Support Web Site](#)" on page 5 for how to contact Technical Support about our software.

We appreciate your feedback.



