

Open Systems SnapVault® 2.2

Release Notes

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Topics covered

About this document

These release notes cover the following topics:

- ◆ [“Features of this release”](#) on page 2
- ◆ [“Limitations”](#) on page 3
- ◆ [“System requirements, installation, and upgrade information”](#) on page 6
- ◆ [“Known issues”](#) on page 7
- ◆ [“Bug fixes”](#) on page 8

Features of this release

New and enhanced features

The new and enhanced features of Open Systems SnapVault 2.2 include the following:

- ◆ Back up and restore the Open Systems SnapVault database
- ◆ Resynchronize a restored or a broken SnapVault relationship
- ◆ Unattended installation and upgrade
- ◆ Determine free space using a new utility called space estimator
- ◆ Transferring data from the primary storage system on a portable device to the secondary storage system using a tool called Logical Replication (LREP)
- ◆ Improved Open Systems SnapVault database crash consistency, integrity, and reliability

For more information

For detailed information about the new and enhanced features of Open Systems SnapVault 2.2, see the *Open Systems SnapVault 2.2 Installation and Administration Guide*.

Limitations

In addition to the information in this section, make sure you have familiarized yourself with the limitations for Open Systems SnapVault 2.2 listed in the *Open Systems SnapVault 2.2 Installation and Administration Guide*.

Restoring more than once to the same location is not allowed

If you attempt to restore more than once to the same location on a primary storage system using the `snapvault restore` command, the subsequent restore attempts will fail with the following message:

```
Invalid Qtree/Snapshot requested
Directory in wrong phase
Error performing restore. Check snapvault log.
```

The following information will be logged in the SnapVault log files:

```
Invalid Qtree/Snapshot requested
Directory in wrong phase
```

If you need to restore more than once to the same location on a primary storage system, you must first use the `snapvault release` command, as follows, to delete the previously restored data and its associated records in the Open Systems SnapVault database so that a subsequent restore to the same location can occur:

```
snapvault release restored_pathname secondary:secondary_qtree
```

This is a specific example of the general case that starting with OSSV 2.2, Open System SnapVault prevents restores to a directory which is part of a SnapVault relationship (see [“Restoring to a directory that is part of a SnapVault relationship is not allowed”](#)).

Restoring to a directory that is part of a SnapVault relationship is not allowed

If you attempt to restore to a directory involved in a SnapVault relationship, using the `snapvault restore` command, the attempt fails with the following message:

```
Invalid Qtree/Snapshot requested
Directory in wrong phase
Error performing restore. Check snapvault log.
```

The following information will be logged in the SnapVault log files:

```
Invalid Qtree/Snapshot requested
Directory in wrong phase
```

You can restore to such a directory by first releasing the SnapVault relationship using the `snapvault release` command, as follows:

snapvault release *pathname secondary:secondary_qtree*

After releasing the SnapVault relationship and restoring the files, you must resynchronize the SnapVault relationship before subsequent updates can succeed. This behavior is different from that in OSSV 2.1.

Support for extended attributes

Open Systems SnapVault does not support extended attributes on any of the supported Unix file systems.

Crossing NFS mount points is not supported

Open Systems SnapVault does not cross NFS mount points when backing up or restoring data.

Cannot resynchronize restored directories and single files

Open Systems SnapVault allows you to restore subdirectories and single files. However, you can only resynchronize restored subdirectories and restored single files *after* you restore the top level qtree. Open Systems SnapVault does not support resynchronizing restored subdirectories and single files.

Resynchronize on break and resynchronize on restore support

Resynchronize on break and resynchronize on restore are only supported on Data ONTAP 7.2 or later.

Supported protocols for LREP tool

When the LREP tool is invoked with no arguments, the command output lists snapvault_start and snapvault_restore as supported protocols. However, the LREP tool supports the snapvault_start protocol only.

Restriction for LREP tool on Windows systems

The LREP tool does not support the backup of “encrypted” files on any of the Microsoft Windows platforms that Open Systems SnapVault supports.

**Open Systems
SnapVault database
cannot be restored
from older
Snapshot copies**

The Open Systems SnapVault database restore facility can be used to restore only the latest backed up version of the database. Restore from older Snapshot copies is not supported.

**NTFS sparse files
are not backed up
properly**

NTFS sparse files are not backed up properly. There is a possibility of losing the sparse attribute of the file when restored.

**NTFS compressed
files and directories
lose compressed
attributes when
restored**

Open System SnapVault does not restore the compression attribute on a Windows file if the following is true:

- ◆ File has the compressed attribute set
- ◆ File has a sparse or compressed alternate data stream attached

The compression attribute/sparse range of the alternate data stream is restored correctly.

**Installation fails
when the install
target directory
name contains a
space character**

If the name of the installation target directory on a UNIX system contains a space, the installation fails.

System requirements, installation, and upgrade information

The latest system requirements, installation, and upgrade information for Open Systems SnapVault 2.2 is available in the *Open Systems SnapVault 2.2 Installation and Administration Guide*.

Known issues

The following table lists issues known to exist in Open Systems SnapVault 2.2. For the latest information about workarounds, launch your Web browser, navigate to <http://now.netapp.com/NOW/cgi-bin/bol>, type the Bug ID into the Enter Bug IDs field, and then click Go.

Bug ID	Description and workaround
186386	Update fails when database is restored from a tertiary. Workaround: Unavailable as of this writing.
146748	Backed up symlink corrupted by HP-UX OSSV agent. Workaround: Unavailable as of this writing.

Bug fixes

The following table lists bugs that were fixed in Open Systems SnapVault 2.2. For more information about any of these bugs, launch your Web browser, navigate to <http://now.netapp.com/NOW/cgi-bin/bol>, type the Bug ID into the Enter Bug IDs field, and then click Go.

Bug ID	Description
145678	Open System SnapVault backups fail after an earlier “Failed to open history file” error.
145795	Open System SnapVault on Windows does not encode Unicode characters in file names over NDMP.
157872	SystemState restore of Win2k leaves duplicate files with the suffix “latent0”.

Operating system support changes

The following table describes changes in the support of specific versions of operating systems by Open Systems SnapVault 2.2.

Operating system	Version or versions	Change in support
AIX	4.3	Dropped

Proposed operating system support changes

The following table describes specific versions of operating systems that Open Systems SnapVault 2.2 currently supports, but that might be deprecated (dropped) from future releases of Open Systems SnapVault.

Operating system	Version or versions
Windows	NT 4.0
Linux	Red Hat Linux 7.1 Red Hat Linux 7.2 Red Hat Linux 7.3 Red Hat Linux 8 Red Hat Enterprise Linux (RHEL) 2.1 AS Note _____ Open Systems SnapVault 2.2 does not currently support RHEL 2.1 ES and RHEL 2.1 WS. _____
IRIX	6.5 Note _____ IRIX 6.5 is the only version of IRIX that Open System SnapVault 2.2 supports. When this version of IRIX is deprecated, Open Systems SnapVault will no longer support the IRIX operating system. _____
Solaris	2.6, 7, 8
HP-UX	B.11.00