

Open Systems SnapVault® 2.3

Release Notes

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Topics covered

About this document

These release notes cover the following topics:

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Features of this release

New and enhanced features

The new and enhanced features of Open Systems SnapVault 2.3 include the following:

- ◆ Support for additional platforms.
- ◆ Improved manageability for Open Systems SnapVault configurations
- ◆ Support for the Logical Replication (LREP) utility on all the supported platforms

For more information, see the *Open Systems SnapVault 2.3 Installation and Administration Guide*.

Bug fixes

The following table lists critical bugs that were fixed in Open Systems SnapVault 2.3. For more information about these or any other 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
181827	Open Systems SnapVault transfers fail with messages such as "Replication destination does not have a directory that the source has modified."
192862	Open Systems SnapVault might panic the storage system when dealing with a partially removed relationship.
195577	Open Systems SnapVault sends file deletes for a stale mount returning input or output errors.
196668	Update fails if BLI is turned OFF (Baseline performed with BLI > HIGH).
203793	Open Systems SnapVault backup fails with RPL_LRD_INOMAP_SET_FAIL.

Limitations

In addition to the information in this section, familiarize yourself with the limitations of Open Systems SnapVault 2.3 listed in the *Open Systems SnapVault 2.3 Installation and Administration Guide*.

Reverting from 2.3 to earlier versions is not supported

Open Systems SnapVault 2.3 does not support reverting to earlier versions.

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 is 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 Open Systems SnapVault 2.1.

Support for extended attributes

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

Crossing NFS mountpoints is not supported

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

Cannot resynchronize restored subdirectories and single files

Open Systems SnapVault does not support resynchronizing restored subdirectories and single files.

Resynchronizing an Open Systems SnapVault relationship

Currently, resynchronization is supported on Data ONTAP 7.2, and later releases in the 7.2.x release family. For more details on the availability of this feature, see Knowledgebase article kb12138.

NTFS compressed files and directories lose compressed attribute when restored

Open System SnapVault does not restore the compressed attribute on a Windows file if both these conditions are true:

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

However, in the case of a compressed directory, the compressed attribute is lost when restored, regardless of the alternate data streams.

Checkpoint restart results in failure of restore operation

A restore operation on a relation fails when the baseline transfer involves checkpoint restarts. This problem occurs when the data set contains ACLs and you are using Data ONTAP 6.5.x and 7.0.x.

Backup might hang when a stale mount is encountered

Open Systems SnapVault backup might hang when a stale mount is encountered.

ACL modifications are not updated correctly

On Linux (only ReiserFS) and Solaris platforms, Open Systems SnapVault does not mark the files as changed if the ACLs associated with the files are deleted. This results in Open Systems SnapVault not updating the files during update transfers. The problem occurs only on Linux ReiserFS and Solaris platforms, wherein the "mtime" and "ctime" of the files remain unchanged upon ACL deletion.

Known issues

The following table lists and describes issues known to exist in Open Systems SnapVault 2.3. 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
176080	Open Systems SnapVault transfer fails with the error VSS_E_VOLUME_NOT_SUPPORTED due to VSS failure in creating a Snapshot copy on Windows® 2003. Workaround: Perform either of the following tasks: ◆ Restart the VSS service and retry the transfer. ◆ Restart the Windows system and retry the transfer.
206881	NetApp Host Agent is automatically installed on unsupported platforms during the installation of Open Systems SnapVault. Workaround: Unavailable as of this writing.
207094	Open Systems SnapVault does not support a history file size greater than 2 GB. Workaround: Back up the data sets in multiple relationships.
216910	The ossv-system-get-info API output does not reflect the correct time zone and UTC offset parameters on Linux platforms. This occurs if the system time zone is changed. Workaround: Restart the NetApp Host Agent service.
217821	Update fails with error "replication destination hard link create failed" Workaround: Unavailable as of this writing.

System requirements, installation, and upgrade information

The system requirements, installation, and upgrade information for Open Systems SnapVault 2.3 is available in the *Open Systems SnapVault 2.3 Installation and Administration Guide*.

Operating system versions no longer supported

Open Systems SnapVault is no longer supported on the following operating system versions.

Operating systems	Versions no longer supported
HP-UX®	11.00
IRIX®	6.5
Linux®	Red Hat® 7.1, 7.2, 7.3, 8, and Red Hat Enterprise Linux AS 2.1
Solaris™	2.6, 7, and 8
Windows	NT 4.0

Note_____

Open Systems SnapVault is no longer supported on the IRIX platform.

Proposed platform support changes

The following list of operating system versions might be deprecated (dropped) from major releases of Open Systems SnapVault in future.

Operating system	Version or versions
Linux	Red Hat Linux 9 Red Hat Enterprise Linux WS 3.0 Red Hat Enterprise Linux WS 4.0 SUSE® Linux Enterprise Server 8
AIX®	5.1

