

Open Systems SnapVault® 2.2.1

Release Notes

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Topics covered

About this document

Open Systems SnapVault 2.2.1 addresses bug fixes only. For details about the bug fixes, see Bugs Online in NetApp® on the Web (NOW™) at <http://now.netapp.com/NOW/cgi-bin/bol>.

This release includes all features and fixes until Open Systems SnapVault 2.2.1. 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*.

These release notes cover the following topics:

- ◆ “[Bug Fixes](#)” on page 2
- ◆ “[Limitations](#)” on page 3
- ◆ “[Known issues](#)” on page 6

Bug Fixes

The following table lists the bugs that were fixed in Open Systems SnapVault 2.2.1. 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 ID(s) field, and then click Go.

Bug ID	Description
181827	Open Systems SnapVault transfers fail with "replication destination does not have a directory that the source has modified"
190125	svlistener dies upon restore of Open Systems SnapVault database files from an older Snapshot copy
191089	svestimator inappropriately scans remote file systems
192862	Open Systems SnapVault rollback appears to be cleared past Snapshot copy transfer history
194471	Open Systems SnapVault: repair mechanism required for symbolic link corruption
195577	Stale file system mount results in Open Systems SnapVault sending deletes for all files there were previously in that file system
195705	Open Systems SnapVault hangs during updates
195990	svestimator gives incorrect information
196668	Update fails if BLI is turned OFF
203793	Open Systems SnapVault backups fail with RPL_LRD_INOMAP_SET_FAIL

Limitations

In addition to the information in this section, familiarize 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 data more than once to the same location on a primary storage system by 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 data more than once to the same location on a primary storage system, perform the following steps.

Step	Description
1	Delete the associated records in the Open Systems SnapVault database by using the following command: <code>snapvault release restored_pathname secondary:secondary_qtree</code> A subsequent restore to the same location can now occur.
2	Delete the previously restored data by using the following command: <code>rm -rf restored_pathname</code>

This is a specific example of the general case that starting with Open Systems SnapVault 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 by 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 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 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 resynchronize the relationship only *after* restoring the top-level qtree. Open Systems SnapVault does not support resynchronizing the relationship of restored subdirectories and single files.

Resynchronizing an Open Systems SnapVault relationship

An Open Systems SnapVault relationship might need to be resynchronized following a restore to the Open Systems SnapVault host or if the relationship has been broken off at the secondary system. Resynchronization is supported on Data ONTAP 7.2, and later releases in the 7.2.x release family. However, some versions of the 7.0.x and 7.1.x release families may include this feature in future. For more details on the availability of this feature, see the Knowledgebase article, kb12138.

Supported protocols for the 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 the 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.

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 compressed attribute on a Windows file if both the following conditions are true:

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

However, in the case of compressed directories, the compressed attributes are lost when restored, regardless of the alternate data streams.

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.

Known issues

The following table lists the issues known to exist in Open Systems SnapVault 2.2.1. 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
130071	Open Systems SnapVault backup could potentially hang when a stale mount is encountered. Workaround: Reboot the server to clear any residual stale mounts.
176080	Open Systems SnapVault updates fail with error VSS_E_VOLUME_NOT_SUPPORTED. Workaround: Perform any one of the following steps: ◆ Restart the VSS service and retry the transfer. ◆ Restart the Windows system and retry the transfer.
186386	Update fails when a database is restored from a tertiary system. Workaround: Retry the update transfer.
196139	Open Systems SnapVault sending garbage dirent name. Workaround: Unavailable as of this writing.
201180	svestimator can result in transfer time outs. Workaround: Disable the svestimator.
203063	Upgrading from the previous version of Open Systems SnapVault to the next version results in configuration variables with multiple values. Workaround: Unavailable as of this writing.

Bug ID	Description and workaround
207094	Open Systems SnapVault does not support a history file size of over 2 GB. Workaround: Split up the dataset into smaller datasets (< 2 GB), and then back up the smaller datasets in separate relationships.

