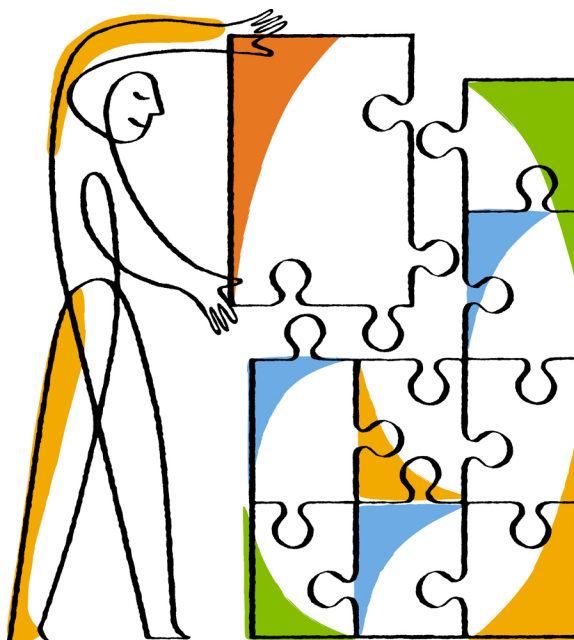




Release Candidate Documentation - Contents Subject To Change

OnCommand® System Manager 2.2 RC1

Release Notes



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System Manager 2.2 RC1 Release Notes

The release notes describe the new features, enhancements, changes, and fixed and known issues since the previous release of System Manager.

Note: The terms *Data ONTAP operating in Cluster-Mode* and *clustered Data ONTAP* are used interchangeably throughout the documentation.

Understanding System Manager

System Manager is a graphical management interface that enables you to manage storage systems and storage objects (such as disks, volumes, and aggregates) and perform common management tasks related to storage systems from a Web browser. As a cluster administrator, you can use System Manager to administer the entire cluster and its resources.

You can use System Manager to manage storage systems running the following versions of Data ONTAP:

- Data ONTAP 7.3.x (starting from 7.3.7)
- Data ONTAP 8.0.4 and 8.0.5 operating in 7-Mode
- Data ONTAP 8.1.2
- Data ONTAP 8.2

Note: In the Data ONTAP 8.x operating in 7-Mode product name, the term *7-Mode* signifies that the 8.x release operates in the same way as the prior Data ONTAP 7.1, 7.2, and 7.3 release families.

You can also use System Manager to manage V-Series systems.

System Manager enables you to perform many common tasks such as the following:

- Configure and manage storage objects, such as disks, aggregates, volumes, qtrees, and quotas.
- Configure protocols, such as CIFS and NFS, and provision file sharing.
- Configure protocols such as FC and iSCSI for block access.
- Verify and configure network configuration settings in the storage systems.
- Create and manage vFiler units.
- Manage HA configurations and perform takeover and giveback operations.
- Perform cluster management, storage node management, and Vserver management operations in a cluster environment.
- Create and configure Vservers, manage storage objects associated with a Vserver, and manage Vserver services.

Note: System Manager replaces FilerView as the tool to manage storage systems running Data ONTAP 8.1 or later.

License requirements

System Manager is an unlicensed application and is free to download, install, and use. However, you require software licenses to enable certain services and features on your storage system, such as HA pairs and NFS.

Many of the software licenses that you require for your storage system services and features are installed on the storage system at the factory.

Note: For HA pairs, you should install licenses on both the systems.

System requirements for System Manager

You must ensure that you have the required host system configuration, operating system, and browser to run the System Manager software. You must also have the necessary administrative privileges to access the software.

Your host system must meet the following minimum requirements:

- Pentium x86 processor
- 1 GB RAM
- 1 GB video display RAM
- 1 GB free disk space

If you are upgrading from an earlier version, you might require additional disk space for the existing log files.

- Wireless or Ethernet connection to the network
- A 32-bit or 64-bit Windows or Linux operating system
- Adobe Flash Player 11.0 or later
- 32-bit or 64-bit Oracle Java Runtime Environment (JRE) 7
 - Installing 32-bit or 64-bit JRE depends on the operating system. If you have a 32-bit Windows or Linux operating system, 32-bit JRE must be installed. Similarly, if you have a 64-bit Windows or Linux operating system, 64-bit JRE must be installed.
 - You can install 32-bit or 64-bit Oracle Java Runtime Environment (JRE) 7 from:
www.java.com/en/download/manual.jsp.

Your Windows system must be running one of the following:

- Windows XP
- Windows Server 2003
- Windows Server 2008
- Windows Server 2012
- Windows Vista
- Windows 7

- Windows 8

Your Linux system must be running one of the following:

- Red Hat Enterprise Linux 5 or 6
- SUSE Linux Enterprise Server 11

Your Linux system must have a graphical desktop environment, such as GNOME or KDE, installed.

Your web browser must be one of the following:

- Internet Explorer 8.0 and 9.0 (for Windows)
- Internet Explorer 10.0 in compatibility mode (for Windows)
- Mozilla Firefox 15, 16, 17, and 18 (for both Windows and Linux)
- Google Chrome 23 and 24 (for Windows)

Note: You can run either a 32-bit browser or a 64-bit browser on a 64-bit operating system.

You should be aware of the following information:

- You should use a resolution of 1280 x 1024 pixels for optimal viewing.

Note: You must ensure that the screen width does not exceed 2000 pixels.

- You must ensure that the web browser is not in offline mode.

Your storage systems must be running any of the following versions of Data ONTAP:

- Data ONTAP 7.3.x (starting from 7.3.7)
- Data ONTAP 8.0.4 and 8.0.5 operating in 7-Mode
- Data ONTAP 8.1.2
- Data ONTAP 8.2

Note: For storage systems running Data ONTAP 8.2 operating in 7-Mode, you must enable HTTP by using `httpd.admin.ssl.enable`.

For the latest information about currently supported systems, see the Interoperability Matrix.

Related information

[Interoperability Matrix: support.netapp.com/NOW/products/interoperability](http://support.netapp.com/NOW/products/interoperability)

New features and enhancements

System Manager 2.2 includes new features such as support for SnapVault management and Flash Cache management, and enhancements to existing features such as aggregates and licensing.

SnapVault management

You can create, display, and manage SnapVault relationships by using System Manager 2.2.

Note: This feature is available for all supported versions of Data ONTAP operating in 7-Mode.

Flash Cache management

You can enable or disable the Flash Cache module installed on a storage system by using System Manager 2.2. You can also view the read workload statistics.

Support for aggregates changes

You can create and manage aggregates based on size classification of disks. You can select appropriate disks when creating a new aggregate or when adding disks to an existing aggregate if the disks are of different size. System Manager 2.2 does not select any disk by default.

Support for licensing changes

System Manager 2.2 supports and is in compliance with the licensing changes implemented in clustered Data ONTAP 8.2.

Data ONTAP 8.2 feature licenses are issued as packages, each of which contains multiple features or a single feature.

Note: New features introduced in Data ONTAP 8.2 other than licensing are not supported in System Manager 2.2.

Features unavailable in this release

Some features are unavailable in System Manager 2.2.

Cannot edit the configuration settings for HA pairs

In System Manager 2.2, you cannot edit the configuration settings for HA pairs that are running clustered Data ONTAP.

Currently, this feature is disabled for clustered Data ONTAP.

Workaround

Use the command-line interface to edit the configuration settings.

Management of Vservers with Infinite Volume on Data ONTAP 8.2 not supported

For storage systems running Data ONTAP 8.2, when you try to log in to a cluster containing Vservers with Infinite Volume by using System Manager, a warning message is displayed and the login fails.

You can manage Vservers with Infinite Volume using System Manager for storage systems running Data ONTAP 8.1 or a later version in the 8.1 release family.

If a cluster containing a Vserver with Infinite Volume is upgraded from Data ONTAP 8.1.x to Data ONTAP 8.2, you cannot manage the cluster by using System Manager 2.2.

Workaround

For storage systems running Data ONTAP 8.2, use the command-line interface to manage clusters containing Vservers with Infinite Volume.

SnapMirror management not supported for clustered Data ONTAP 8.2

You cannot use System Manager to create and manage SnapMirror relationships on storage systems running clustered Data ONTAP 8.2 even when SnapMirror is licensed. However, for storage systems

running clustered Data ONTAP 8.1 or a later version in the 8.1 release family, SnapMirror management is supported.

SnapMirror is available for storage systems running all versions of Data ONTAP operating in 7-Mode and supported by System Manager 2.2.

Workaround

Use the command-line interface to create and manage SnapMirror relationships if your storage system is running clustered Data ONTAP 8.2.

SnapMirror logs not supported for clustered Data ONTAP 8.2

You cannot view SnapMirror logs on storage systems running clustered Data ONTAP 8.2 by using System Manager. However, for storage systems running clustered Data ONTAP 8.1 or a later version in the 8.1 release family, you can use System Manager to view the SnapMirror logs.

SnapMirror logs are available for storage systems running all versions of Data ONTAP operating in 7-Mode and supported by System Manager 2.2.

Workaround

Use the command-line interface to view the SnapMirror logs if your storage system is running Data ONTAP 8.2.

SnapMirror relationships are not supported between clusters running Data ONTAP 8.2 and Data ONTAP 8.1.x

You cannot create and manage SnapMirror relationships on storage systems running clustered Data ONTAP 8.2 by using System Manager. However, you can create and manage SnapMirror relationships on storage systems running Data ONTAP 8.1 or a later version in the 8.1 release family. Therefore, you cannot create a SnapMirror relationship between a cluster running Data ONTAP 8.2 and a cluster running Data ONTAP 8.1.x.

You can create a SnapMirror relationship with a remote cluster running Data ONTAP 8.1 or a later version in the 8.1 release family. However, you cannot create a SnapMirror relationship with a remote cluster running Data ONTAP 8.2. The SnapMirror wizard does not display any cluster running Data ONTAP 8.2.

When you create a cluster peer relationship between a cluster running Data ONTAP 8.1.x and a cluster running Data ONTAP 8.2, the Create SnapMirror wizard does not display any cluster running Data ONTAP 8.2 in the **Source** or **Destination** system options.

Workaround

None.

NDMP management not supported for clustered Data ONTAP 8.2

You cannot use System Manager to enable or disable the NDMP service, or stop the NDMP service on storage systems running clustered Data ONTAP 8.2. However, for storage systems running clustered Data ONTAP 8.1 or a later version in the 8.1 release family, NDMP management is supported.

NDMP management is available for storage systems running Data ONTAP 8.1 or a later version in the 8.1 release family operating in 7-Mode.

Workaround

Use the command-line interface to manage NDMP service if your storage system is running clustered Data ONTAP 8.2.

Enable NTP Service option not available for clustered Data ONTAP 8.2

You cannot use System Manager to enable the NTP service in the Edit Datetime window for storage systems running clustered Data ONTAP 8.2. However, for storage systems running clustered Data ONTAP 8.1 or a later version in the 8.1 release family, the **Enable NTP Service** option is supported in the Edit Datetime window.

Workaround

None.

Fixed issues

Some of the known issues in previous releases of System Manager are fixed in this release.

Add Disk to Aggregate dialog box does not display spare BSAS disks

When you click **Add Disks** or click **Mirror** in the Aggregate window, the dialog box does not display the spare BSAS disks. This occurs when options `rpm.fcal.enable` is set to off.

Cannot upgrade System Manager on Red Hat Enterprise Linux 5.6 in case of a partial installation

You cannot upgrade to System Manager on a Red Hat Enterprise Linux 5.6 operating system. The upgrade fails with the following error message: `rm: cannot remove file name: No such file or directory`. This issue occurs only during a failed or partial installation of the earlier version of System Manager.

Incorrect warning message displayed while reconfiguring CIFS

When you reconfigure CIFS on storage systems running Data ONTAP 8.1.2 operating in 7-Mode from the CIFS Setup wizard, an incorrect warning message that all existing user-created CIFS shares and home directories will be deleted is displayed. You can safely ignore the warning message and proceed with the setup.

FC/FCoE adapter might go offline after you modify the adapter speed

When you modify the FC/FCoE adapter speed, System Manager takes the adapter offline, modifies the speed, and brings the adapter online. However, if you specify an unavailable adapter speed, the operation fails and the adapter remains offline.

Security vulnerabilities in System Manager

Some potential security vulnerabilities, which could be misused for cross-site scripting were fixed in System Manager 2.2.

Known issues and limitations in System Manager

You should be aware of the known issues, limitations, and workarounds for each of the System Manager features so that you can use the product more effectively.

For more information about an individual bug, see the bug ID in Bugs Online on the NetApp Support Site.

Note: Currently Bugs Online does not display fixed-in version information for System Manager.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Upgrade or installation issues

You should familiarize yourself with the upgrade or installation issues in this release.

System Manager installation fails with an error message

While installing System Manager on Windows, the installation fails with the following error message: `Error opening file for writing`. This issue occurs because the Jetty web server and browsers take a long time to shut down and do not allow you to delete the files because they are locked.

Workaround

Close the browsers manually and ensure that the Jetty web server is also terminated before performing the installation.

Cannot access System Manager

You cannot access System Manager and the files are not copied to the installation folder by the installer even when the installation is successful. This issue occurs because the folder where System Manager is installed does not have write permission.

Workaround

Ensure that the installation folder has write permission.

Licensing issues

You should familiarize yourself with the issues related to the licensing feature in this release.

Adding a cluster base license with a different serial number shows an existing license

When you add a cluster base license with a different serial number from the existing cluster-wide licenses, the Add licenses status window displays all the existing cluster-wide (demo or master) licenses along with the new ones.

When the serial number of the license changes, System Manager considers all the previously installed cluster-wide (master or demo) licenses as new and displays them in the Add licenses status window along with the newly installed license packages, if any. No action is necessary, all the licenses are still registered.

The Add licenses status window does not display previously installed node-locked licenses when you change the cluster base license.

Workaround

None.

Cannot display the license grace period

For storage system running Data ONTAP 8.2 operating in 7-Mode, System Manager does not display the license grace period.

Workaround

Use the command-line interface to view the license grace period.

Storage resource management issues

You should familiarize yourself with the storage resource management issues in this release.

System Manager does not perform disk size validation during RAID4 to RAID-DP conversion

In the Edit Aggregate dialog box, when you change the RAID type of an aggregate from RAID4 to RAID-DP, Data ONTAP selects an appropriate disk for the dual-parity disk in a RAID group. However, System Manager does not perform any disk size validation when you change the RAID type.

Workaround

None.

SSD disks cannot be added as cache disks from the Disks window

System Manager 2.2 does not allow you to add SSD disks to an aggregate as cache disks from the Disks window.

Workaround

Use the Edit Aggregate dialog box in the Aggregate window to add SSD disks as cache disks.

Spare disk is downsized if the parity disk of a SyncMirror pool is smaller than the spare disk

When you replace a disk in a SyncMirror pool by using the Edit Aggregate dialog box, no warning message is displayed if you select a spare disk that is larger in size than any of the parity disks within the RAID group.

You must be aware of this scenario because this can result in the permanent downsizing of the spare disk to the largest existing parity disk size.

Workaround

None.

Flash Cache read workload graph is not displayed for Data ONTAP 8.1

Flash Cache read workload graph is not displayed for storage systems running clustered Data ONTAP 8.1. The graph specifies total reads presented to Flash Cache and reads served by Flash Cache, indicating the performance of the storage system.

Workaround

None.

Delay in populating the Flash Cache read workload graph

If you disable a Flash Cache module from a management tab in the System Manager application and then enable it from the same management tab, the Flash Cache Read Workload graph is populated only after (approximately) two minutes.

Workaround

None.

Storage Configuration wizard does not validate disk sizes

For storage systems running Data ONTAP operating in 7-Mode, the Storage Configuration wizard does not validate the disk sizes when creating an aggregate.

While creating aggregates, the Storage Configuration wizard selects disks of mixed sizes if the cluster contains disks of different sizes. It is a best practice to create aggregates with disks of same size. You cannot use System Manager to add disks to aggregates with mixed disk sizes.

Workaround

None.

Cloning a LUN fails if the containing volume is created during the LUN creation operation

The LUN clone operation fails if you have created the LUN-containing volume during LUN creation in storage systems running Data ONTAP 8.1 operating in 7-Mode. The volume does not have sufficient space to accommodate the LUN clone and the LUN clone operation fails.

Workaround

Increase the size of the volume so that it can accommodate the size of the LUN clone that you create.

Error reported while browsing for files or directories in a specified path

When you browse for files or directories in a specified path, an error message is displayed if the volume junction path is invalid and there are stale junction entries.

Workaround

If you encounter the error message, specify the file or directory path manually instead of using the browse feature.

For more information, see Bug ID 610268 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Cannot access new volumes mounted on a source volume with load-sharing mirrors

If you create or mount a new volume on a source volume without replicating the load-sharing mirrors, the new or mounted volume is not visible.

Workaround

You must manually replicate the source volume to the load-sharing mirror or mirrors using the command-line interface immediately after creating, mounting, deleting, or unmounting a FlexVol volume.

If you do not manually replicate the source volume, it results in access issues.

Cannot connect to the storage system if nondefault ports are configured for HTTP and HTTPS

System Manager cannot connect to a storage system if the storage system is configured to use nondefault ports for HTTP and HTTPS.

Workaround

Ensure that the storage system is configured to use the following default ports:

- Port 80 for HTTP
- Port 443 for HTTPS

RAID type and RAID group size might be reset to default values while creating aggregates in a mixed-version state cluster

While creating aggregates in clusters that are in a mixed-version state, System Manager might ignore the values specified in the RAID type and RAID group size fields and aggregates might be created with the default values.

System Manager does not support aggregate creation in a cluster that has nodes running different versions of Data ONTAP.

Workaround

None.

For more information, see Bug ID 605201 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](https://support.netapp.com/NOW/cgi-bin/bol)

System Manager does not display online LUNs in an initiator group

If there are LUNs mapped to an initiator group, the LUNs are listed based on the initiators mapped to them. If an initiator is not present, System Manager cannot determine the online LUNs in the initiator group.

Workaround

None.

Storage controller tab stops responding while loading

In systems running Data ONTAP operating in Cluster-Mode, the Storage Controller tab in the left navigation pane stops responding if you try to access it while it is loading. You cannot access any area in the Storage Controller tab.

Workaround

Refresh the Storage Controller tab and wait until the tab completes loading.

Cannot create qtrees on volumes that are owned by a vFiler unit

By using System Manager, you cannot create qtrees on volumes that are owned by a vFiler unit.

Workaround

None.

Aggregate issues

You should familiarize yourself with the issues related to the aggregates feature in this release.

Change in SSD RAID group size is not displayed for Data ONTAP 8.2

For storage systems running Data ONTAP 8.2, the SSD RAID group size is different from the HDD RAID group size. The Create Aggregate wizard and the Edit Aggregate dialog box do not display any change in the SSD RAID group size for storage systems running Data ONTAP 8.2.

The default size for SSD RAID group is 23. You must be aware of this information because adding more than 23 SSD disks might cause create or edit aggregate operations to fail.

Workaround

None.

Cannot add disks to an aggregate when the partner node is down

You cannot add disks to an aggregate when the partner node containing the aggregate is down.

Workaround

Use the command-line interface to add disks.

Mixed RAID types are not supported

You cannot combine disks of different RAID types when creating an aggregate by using System Manager.

Workaround

None.

Incorrect spare disk count reported while mirroring aggregates with disks of different checksum types

While mirroring aggregates, an incorrect spare disk count is reported if the checksum types of the spare disks are different. As a result, the minimum number of hot spare disks is not maintained in the storage system.

Workaround

Ensure that the storage system contains the minimum number of hot spare disks of each checksum type.

Aggregates are created by selecting disks from the same carrier without a warning message

When you create aggregates for DS4486 shelves, System Manager might select disks from the same carrier without displaying a warning message.

It is a best practice to create aggregates by selecting disks from different carriers.

Workaround

Manually select the disks from the Disks page to create the aggregates.

Cannot create an aggregate from the Disks page for Data ONTAP-v storage systems

System Manager does not allow you to create an aggregate with RAID0 option from the Disks page, although the Data ONTAP-v storage system is configured for RAID0.

Workaround

Create the aggregate from the Aggregates page.

Incorrect warning message is displayed when you select insufficient resiliency disks

For storage systems running clustered Data ONTAP 8.2, System Manager displays an incorrect warning message in the Create Aggregate wizard if you select less than the default minimum number of RAID-DP and RAID4 resiliency disks when you create an aggregate.

For storage systems running clustered Data ONTAP 8.2, the default minimum number of resiliency disks to create an aggregate is 5 for RAID-DP and 3 for RAID4. The error message does not specify the correct minimum number.

Workaround

None.

Vserver issues

You should familiarize yourself with issues related to Vservers in this release.

Cannot set default UNIX user in Vserver Setup wizard for Data ONTAP 8.2

For storage systems running Data ONTAP 8.2, when you set up users and user groups for UNIX in the Vserver Setup wizard and configure the protocols, the UNIX user is created by default. However, the Data and Service Access Configuration page of the wizard displays an error message stating that the UNIX user is not created.

You must be aware of this issue because you cannot set the default UNIX user.

Workaround

None.

Vserver Create wizard does not validate disk sizes while creating aggregates

While creating a Vserver with Infinite Volume, System Manager does not validate the disk sizes when creating the aggregates.

While creating aggregates, the Create Vserver wizard selects disks with mixed sizes if the cluster contains disks of different sizes. However, it is a best practice to create aggregates with disks of same size.

Workaround

None.

HA pair issues

You should familiarize yourself with issues related to HA pairs in this release.

Cannot specify the management IP address of the partner when adding an HA pair

When adding an HA pair, System Manager automatically discovers the IP address of the partner node and adds it. Management of the partner node might fail if the automatically discovered IP address is not a management IP address.

Workaround

Specify the management IP address of the partner against the fully qualified domain name in the `hosts` file of the system in which you have installed System Manager.

For more information, see Bug ID 547278 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

System Manager cannot detect storage systems failure during giveback

If a storage system fails during a giveback operation, System Manager does not detect it.

Workaround

None.

Networking issues

You should familiarize yourself with the networking issues in this release.

Networking limitations

You should be aware of certain networking limitations when you use System Manager.

In System Manager, you cannot perform the following network configurations:

- Change the configuration settings if the interfaces or routes that are configured in the active configuration are missing from the `/etc/rc` file.
- Delete a virtual LAN (VLAN).
- Delete an interface group.
- Add or remove trunks from an interface group.
- Edit the configuration for the interface that System Manager uses to manage the system.

If the order of the `/etc/rc` file structure is modified, System Manager displays a failure message. For more information about the `/etc/rc` file structure, see the *OnCommand System Manager 2.2 Help For 7-Mode*.

Stale entries in the `/etc/rc` file and `/etc/hosts` file corrupt configuration settings

Stale entries in the `/etc/rc` file or the `/etc/hosts` file cause misconfigurations. The Network configuration checker does not detect these stale entries that corrupt the configuration settings of the storage system on reboot.

Workaround

Use the command-line interface to remove the stale entries from the files.

For more information, see Bug ID 642024 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Network interface status mismatch is not detected

If there is a mismatch in the network interface status between the `/etc/rc` file and the active configuration settings of storage systems running Data ONTAP 7.3.x, the Network Configuration Checker might not detect these configuration changes on the storage systems.

Workaround

None.

For more information, see Bug ID 644225 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Cannot edit configuration settings for high-availability configurations

If there are errors in the high-availability configuration, System Manager disables the network configuration. You cannot edit the configuration settings because System Manager interprets the node to be in a taken over state.

Workaround

Use the command-line interface to correct the configuration errors in the HA pair.

For more information, see Bug ID 647748 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Cannot change the HA pair mode

When you change the HA pair mode to Standby or Dedicated, the primary IP address and partner interface details are not deleted for the respective modes, and the HA pair continues to operate in the previous mode.

Workaround

Delete the IP address and partner interface details manually from the Edit Network Interfaces dialog box.

For more information, see Bug ID 643428 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Configuring network interfaces with static subnet routes generates false alarms

The Network Configuration Checker generates a false alarm when the network interfaces are configured using static subnet routes.

Following are some examples of the command syntax that are valid and invalid.

For example, if you enter the IPv4 command as `route add inet net 192.168.3.0/24 192.168.1.1 1`, a false alarm is generated as the command is invalid.

If you enter the same command using one of the following syntaxes, a false alarm is not generated as the command is valid:

- `route add inet net 192.168.3.0&255.255.255.0 192.168.1.1 1`
- `route add inet net 192.168.3.0 prefix 255.255.255.0 192.168.1.1 1`
- `route add inet net 192.168.3.0 netmask 255.255.255.0 192.168.1.1 1`

Similarly, if you enter the inet6 command as `route add inet6 net 9ffe::/64 6ffe::1 1`, a false alarm is generated as the command is invalid. If you enter the same using this syntax, `route add inet6 net 9ffe:: prefix 64 6ffe::1 1`, false alarms are not generated.

Workaround

Remove the slash (/) while specifying the subnet routes in the command.

For more information, see Bug ID 647773 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Disabling dynamic DNS updates generates false alarms

The Network Configuration Checker generates a false alarm when dynamic DNS updates are disabled for IP addresses.

Workaround

Prefix the IP address with `no_ddns`, as follows:

- **`ifconfig e0a no_ddns host_name -e0a`**
- **`ifconfig e0a alias no_ddns IP_address`**

Cannot make configuration changes when a high-availability pair is in takeover mode

When a node is in takeover mode and if you disable the Vif, any configuration change you make is not updated in the `/etc/rc` file and the status of the Vif is still disabled.

System Manager does not display the status of the local network interface and its partner interface. Therefore, when a partner interface is down and the local network interface takes over and serves data, the status of the local network interface is "enabled-partner up". If you attempt to disable the local network interface status, the status on the system changes, but System Manager still displays the network interface status as "enabled". Therefore, you cannot enable the status of the local network interface.

Workaround

Use the command-line interface to enable the Vif.

For more information, see Bug ID 604739 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Updating the `/etc/rc` file simultaneously changes the command sequence in the file

If the `/etc/rc` file is simultaneously updated using more than one method such as the command-line interface as well as an external interface, and if the changes are made to the configuration settings using System Manager, the sequence of commands in the `/etc/rc` file is modified.

Workaround

None.

Modifying configuration settings when the Network Interfaces page is open introduces stale entries

If the active configuration settings of the storage system are modified when the Network Interfaces page is open, System Manager does not refresh the page automatically, and stale entries are written to the `/etc/rc` file.

Workaround

None.

System Manager operations might fail due to network issues

If System Manager is running on a network that has latency issues, data packets might be dropped and System Manager operations might fail.

Workaround

Refresh your browser and try the operation again.

For more information, see Bug ID 484647 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Network Interface page stops responding if the `/etc/rc` file does not contain standard characters

If the `/etc/rc` file contains nonstandard characters that have an ASCII value greater than 127, the Network Interface page stops responding.

Workaround

None.

For more information, see Bug ID 684875 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Active operations are disabled if the /etc/hosts file contains multiple aliases

System Manager does not support host entries with multiple aliases in the /etc/hosts file. In such cases, active operations are disabled from System Manager.

Workaround

Edit the contents of the /etc/hosts file from the text editor that is displayed.

For more information, see Bug ID 644629 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Network interface configuration using multiple commands generates a false alarm

The Network Configuration Checker generates a false alarm when you configure network interfaces using multiple commands from the command-line interface.

For example, if you execute commands `ifconfig 0a `hostname` -0a mtusize 9000` and `ifconfig 0a down` separately, the Network Configuration Checker generates false alarms. If you execute the commands by including the configuration settings within a single command such as `ifconfig 0a `hostname` -0a mtusize 9000 down`, false alarms are not generated.

Workaround

Use the command-line interface to configure the /etc/rc file to include all the configuration settings within a single command.

For more information, see Bug ID 638359 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

File access protocol issues

If your storage systems provide CIFS or NFS client services, you should familiarize yourself with the file access protocol issues in this release.

Inconsistent behavior while associating ACLs for shares with non-Unicode share name

For storage systems running Data ONTAP 8.0 or earlier, System Manager behaves inconsistently if you try to edit the share permissions for a share name that contains a non-Unicode character. Sometimes, ACLs are not associated with the share.

Workaround

Edit the share permissions by entering the following command from the command-line interface:

```
cifs access share_name {user|group} rights
```

Multiple NFS clients are displayed for an export with a single IPv6 client address

The Exports window in System Manager displays multiple NFS clients even though the volume has only one IPv6 client address.

The issue occurs when an administration host IPv6 address is not enclosed in square brackets ([]) in the Data ONTAP operating in 7-Mode setup command. System Manager displays eight NFS clients for the eight octet IPv6 address for new volumes if the IP address is not enclosed in brackets.

Workaround

Ensure that you enclose the administration host IP address in brackets if the address is in IPv6 format in the `/etc/exports` file.

Data protection issues

If you are using the SnapMirror feature, you should familiarize yourself with the data protection issues in this release.

SnapMirror issues

You should familiarize yourself with the issues related to the SnapMirror feature in this release.

SnapMirror relationships are not displayed

If one of the nodes in a cluster is down and the number of SnapMirror relationships is high, the SnapMirror window does not display the relationships and a proxy error is reported.

Workaround

Use the command-line interface to verify that all the nodes in the cluster are up.

For more information, see Bug ID 641502 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](https://support.netapp.com/NOW/cgi-bin/bol)

Reverse resynchronization fails when a SnapMirror relationship is created using the system IP address

If you create a SnapMirror relationship using the source system's IP address instead of the system name, reverse resynchronization from the destination system fails. The issue occurs because System Manager cannot process the IP address of the system.

Workaround

Ensure that you perform the reverse resynchronization operation only from the source system.

For more information, see Bug ID 685246 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](https://support.netapp.com/NOW/cgi-bin/bol)

Cannot create a Snapshot copy on a data protection volume

You cannot create Snapshot copies on a volume of type data protection.

Workaround

Ensure that you create Snapshot copies only on volumes of type read-write (rw).

SnapVault issues

You should familiarize yourself with the issues related to the SnapVault feature in this release.

New destination volume is created for a SnapVault relationship without verifying the eligibility of the source volume or qtree

While creating a SnapVault relationship, System Manager does not verify if the source volume or qtree is eligible for a SnapVault relationship and creates a new destination volume. However, the SnapVault relationship creation fails.

A source volume is not eligible for a SnapVault relationship if it contains LUNs or if it is already a destination in a SnapVault relationship.

System Manager does not display a warning message when a source volume that is already in a SnapVault relationship is used to create a new destination volume.

Workaround

Use the new destination volume to establish another SnapVault relationship, or delete it.

Cannot create a SnapVault relationship if the source volume contains LUNs

When you create a SnapVault relationship between a source volume containing LUNs and a destination qtree, System Manager does not detect the presence of LUNs and the creation fails.

Workaround

Ensure that the source volume from which you want to back up data does not contain LUNs.

Cannot set the tries value while creating a SnapVault schedule

For storage systems running Data ONTAP versions 8.0 through 8.0.3, 8.1, and 8.1.1, although you can create a SnapVault schedule, you cannot set the tries value to change the number of attempts to create a Snapshot copy.

Workaround

None.

Cannot create a transfer schedule by setting the SnapLock retention period on non-SnapLock volumes

For storage systems running Data ONTAP 8.1 operating in 7-Mode, when you create a SnapVault transfer schedule by setting the SnapLock retention period for a non SnapLock volume, the schedule creation fails.

Workaround

Ensure that you set the SnapLock retention period only on SnapLock volumes.

SnapVault schedule creation fails while modifying the tries value

For storage system running Data ONTAP 8.0 through 8.0.3, 8.1, and 8.1.1, if you modify the tries value (number of attempts to create a Snapshot copy) when you create or modify a SnapVault schedule, the schedule creation fails.

Workaround

None.

Cannot release a SnapVault relationship due to configuration mismatches

If there are configuration mismatches in a SnapVault relationship, releasing the SnapVault relationship from the source system or destination system fails.

Workaround

Use the `snapvault-destinations` command to determine if the destination system can be released.

Cannot reset throttle to a default value after modifying it

If you do not set the throttle value while creating a SnapVault relationship, the default value of 4 TBps is set. If you change this default throttle value, you cannot reset it to its default value; however, you can set a value between 0 through 2 TBps.

If you modify the configuration settings of this SnapVault relationship, such as the tries value, the throttle value is reset to an unlimited bandwidth without any warning message.

Workaround

None.

Cannot modify SnapLock retention periods simultaneously

In the Edit Volume dialog box, if you modify the maximum, minimum, and default SnapLock retention periods simultaneously, setting these values might fail.

Workaround

Set one SnapLock retention period at a time.

Browser issues

You should familiarize yourself with the browser issues in this release of System Manager.

Graphs in Dashboard Window are not displayed on Chrome browser when you select a node in an HA pair

The graphs in the Dashboard window are not displayed when you select a node in an HA pair from the left navigation pane. This issue occurs only in the Google Chrome browser running on Windows 7 and Windows 8 platforms.

Workaround

To display graphs in the Dashboard window, switch between tabs or browser windows. The graphs are loaded successfully.

Unresponsive script error in System Manager

System Manager displays an unresponsive script error when the response time exceeds the browser timeout value. System Manager displays this error when large amount of data is searched and loaded, and the error is displayed because of a browser limitation.

Workaround

Click **Continue** and wait for the browser to load.

Cannot detect built-in Flash Player in Internet Explorer 10.0

System Manager 2.2 provides support for Internet Explorer 10.0 in compatibility mode. However, System Manager cannot detect the built-in Flash Player in Internet Explorer 10.0.

Adobe Flash Player 11.0 or later must be installed on your host system to monitor the health and performance of storage systems using the Dashboard window.

If you are using Internet Explorer 10.0 in compatibility mode as your browser and when you open the Dashboard window, System Manager prompts you to install the Flash Player if it is not installed already. When you try to install the Flash Player, System Manager displays an error message specifying that the Flash Player is already installed.

Workaround

None.

Error reported if volume language is not UTF-8 compliant

While creating shares, when you browse for folders or files, an error is reported if the folders or files contain special characters (such as umlaut).

The XML errors are specific to browsers. Internet Explorer displays an XML parse error. Mozilla Firefox and Google Chrome cannot display the special characters and display other errors.

Workaround

Use the command-line interface and change the volume language from *lang_name* to *lang_name.UTF-8*. For example, if the volume language setting is German (de), change the language settings to de.UTF-8.

For more information, see Bug ID 607172 in Bugs Online.

Related information

Bugs Online: support.netapp.com/NOW/cgi-bin/bol

Error reported if user comments are not UTF-8 compliant

When System Manager is opened in Internet Explorer version 8 or 9, and if user comments contain special characters (such as umlaut), an XML parse error is reported.

Workaround

Ensure that the comments entered are UTF-8 compliant.

For more information, see Bug ID 596537 in Bugs Online.

Related information

Bugs Online: support.netapp.com/NOW/cgi-bin/bol

Other issues

There are certain issues you should be aware of when you use System Manager.

Support for 4-node clusters for SAN in clustered Data ONTAP 8.2

For storage systems running clustered Data ONTAP 8.2, System Manager does not support a scalable cluster with 8 nodes or more for SAN. System Manager supports only a cluster with 4 nodes or less for SAN in clustered Data ONTAP 8.2.

Workaround

None.

Cannot display a job schedule that contains special characters

When you create a new job schedule with a name that includes the special characters the ampersand (&), less than symbol (<), and greater than symbol (>) from the command-line interface, System Manager does not display this schedule in the Schedules window.

Workaround

None.

System Manager does not automatically display changes made to storage objects from the command-line interface

If you modify a storage object from the command-line interface and if the storage object is also managed by the System Manager application, although the storage object is added to System Manager, the changes are not displayed in the application.

For example, in a volume that is added to System Manager, if you enable deduplication on the volume from the command-line interface, System Manager does not reflect these changes until you manually refresh the Volume page.

Workaround

Manually refresh the System Manager application page.

Home page information is not refreshed when SNMP service is down

The information in the Home page in System Manager is refreshed through SNMP. However, if the SNMP service is down or if an SNMP community is not configured, then System Manager does not refresh the list of storage systems in the Home page.

Workaround

You must add the storage system again.

System Manager is inaccessible over VPN

On a machine that has Java 7 and is running Windows 7 or Windows Server 2008, when you access System Manager through a virtual private network (VPN) connection, the following error message is displayed: `Permission denied: connect.`

Workaround

Install the hotfix from the Microsoft website at: support.microsoft.com/kb/2750841.

For more information, see Bug ID 626839 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](https://support.netapp.com/NOW/cgi-bin/bol)

AutoSupport email address cannot be deleted if there is only one entry

If there is only one email address specified as the AutoSupport message recipient in the Edit AutoSupport Settings window, you cannot delete the entry through System Manager. Although the delete operation appears to be completed successfully, the email address is not deleted.

Workaround

Use the command-line interface to delete the email address.

Home page displays an error message for a system running clustered Data ONTAP

While adding a system in System Manager using SNMP, the following error message is displayed: No SNMP response. This issue occurs due to failure in handling SNMP OIDs when the node names are of different lengths.

Workaround

If you are unable to add a system using SNMP, use the credentials.

Note: If SNMP is not working, the details are not updated on the home page.

Cannot add a cluster instance with network address translation using System Manager

While adding a cluster instance with network address translation, the following error message is displayed: This is not a cluster management network interface. OnCommand System Manager does not allow managing of individual nodes. This issue occurs even if you create a firewall policy for external access.

Workaround

None.

Cannot delete a client from Exports window in System Manager

While deleting a client from the Exports window, the following error message is displayed: Data ONTAP API Failed :Error no valid name found with exports-hostname-info.

Workaround

In the Edit Export Rule window, select the client and click **Delete**.

For more information, see Bug ID 648612 in Bugs Online.

Related information

[Bugs Online: support.netapp.com/NOW/cgi-bin/bol](http://support.netapp.com/NOW/cgi-bin/bol)

Incorrect Snapshot copy timestamp displayed if daylight saving time is activated

If you are viewing Snapshot copies in System Manager when daylight saving time (DST) is activated in the storage system, an incorrect timestamp is displayed for the Snapshot copies.

Workaround

None.

System Manager does not reflect the storage system time if Daylight Savings Time is activated

When viewing events, jobs, system health, license and so on, in the respective pages in System Manager, the **Time Stamp** field might show a time difference of one hour from the storage system time. This occurs if Daylight Savings Time is activated.

Workaround

None.

Known issues with Data ONTAP

Some unexpected and potentially undesired behaviors in Data ONTAP are known to affect functionality in this release of System Manager.

Data becomes unavailable if MTU size is not specified in the `/etc/rc` file

For storage systems running Data ONTAP versions earlier than 8.1.3 operating in 7-Mode, data is served even if the MTU size is not specified in the `/etc/rc` file. However, when System Manager is used to manage this storage system, when the Network Interfaces page is opened or when the Network Configuration Checker is run, the storage system stops responding if the MTU size is not specified, resulting in data unavailability.

Workaround

Edit the `/etc/rc` file from the command-line interface and ensure that the MTU size is specified.

Incorrect error message is displayed when disabling thin provisioning in LUNs

When you disable thin provisioning for a LUN in storage systems running Data ONTAP 7.3.x and 8.0.x, and if there is insufficient space in the containing aggregate, the following error message is displayed: `Unknown error: 10008`.

Workaround

None.

Cannot change or remove the vFiler unit IP address

When you try to remove or change the IP address of a vFiler unit on storage systems running Data ONTAP 7.3.x, an error message is displayed and the operation fails.

Workaround

Remove or change the IP address of the vFiler unit from the command-line interface.

Cannot turn on a quota after turning it off

In systems running Data ONTAP operating in Cluster-Mode, quota operations fail with the following error message when a second quota operation is performed on a volume after the first quota operation: `ERROR: command failed on entry "vs1 vol1": Failed to load job for Quota ON Operation on vserver vs1 volume vol1: Job exists.`

Workaround

Use the CLI and run the quota operation on the node that contains the volume. You can perform this operation from the CLI by connecting to the node management LIF and then running the command from that node. Alternatively, wait for five minutes before starting another quota operation for the same volume.

Changes to published documentation

There are changes to the documentation provided with this release of System Manager.

Update to procedure for creating cluster peer relationships

The “Creating cluster peer relationships” topic in the *System Manager Help For Use With Clustered Data ONTAP* should include some additional information.

The “Before you begin” section must include the following information:

- You can create a cluster peer relationship between two clusters only if both the clusters are managed by using System Manager.

The “About this task” section must include the following information:

- The Cluster Peer Create wizard does not list any remote cluster running Data ONTAP 8.2.
- You can create a cluster peer relationship between a local cluster running Data ONTAP 8.2 and a remote cluster running Data ONTAP 8.1 or a later version in the 8.1 release family.
- You can create a cluster peer relationship between two clusters running Data ONTAP 8.1 or a later version in the 8.1 release family.

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