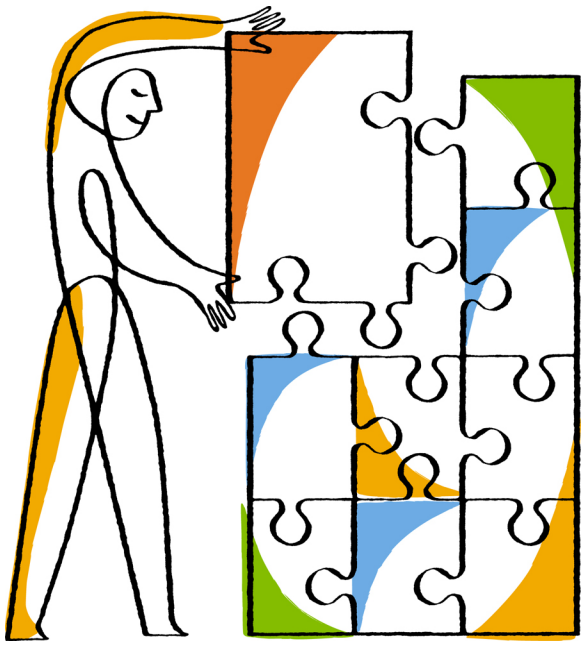
OnCommand® System Manager 3.1.2

Release Notes

For Data ONTAP® Operating in 7-Mode



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System Manager Release Notes

The release notes describe the fixed and known issues in this release of System Manager.

You can upgrade to the latest version of System Manager from 2.x or later versions. You must review the installation and upgrade information in the *Installation and Setup Guide* (formerly called the *Quick Start Guide*).

For information about supported Data ONTAP releases, see *Supported versions of Data ONTAP* on page 6.

Related information

Documentation on the NetApp Support Site: mysupport.netapp.com

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.

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, FCoE, and iSCSI for block access.
- Verify and configure network configuration settings in the storage systems.

Supported versions of Data ONTAP

You should be aware of the Data ONTAP versions that are supported by System Manager.

For storage systems running clustered Data ONTAP, System Manager supports the following versions:

- Data ONTAP 8.1.3 and 8.1.4
- Data ONTAP 8.2.1, 8.2.2, and 8.2.3
  Starting with clustered Data ONTAP 8.2.2, support for Federal Information Processing Standard (FIPS) 140-2 is available for secure web services (HTTPS). However, System Manager does not support FIPS. Therefore, you cannot manage FIPS-enabled clusters.
- Data ONTAP 8.3.x
  When you use System Manager 3.1.2 to manage clusters running Data ONTAP 8.3 or later, the corresponding version of System Manager is launched to manage these clusters.

For storage systems running Data ONTAP operating in 7-Mode, System Manager supports the following versions:

- Data ONTAP 7.3.7
- Data ONTAP 8.0.4 and 8.0.5
  You must enable HTTP on the storage system when using System Manager to manage the Data ONTAP 8.0.x release family. You cannot use a secure communication protocol to manage your storage systems.

- Data ONTAP 8.1.3 and 8.1.4
- Data ONTAP 8.2.1, 8.2.2, and 8.2.3

Secure Sockets Layer (SSL) 2.0 and 3.0 versions are no longer supported. If you want to manage Data ONTAP versions 7.3.x, 8.1.x, and 8.2.x using a secure communication protocol, you must ensure that the Transport Layer Security (TLS) protocol is enabled on the storage system.

Note: Data ONTAP 8.3 and later do not include a 7-Mode version.

For more information, see the *Data ONTAP System Administration Guide for 7-Mode*.

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 protocols and SnapMirror.

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 feature 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
- 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 or JRE 8
  - Installing a 32-bit or 64-bit JRE depends on the operating system.
    If you are using a 32-bit Windows or Linux operating system, a 32-bit JRE must be installed. Similarly, if you are using a 64-bit Windows or Linux operating system, a 64-bit JRE must be installed.
  - You can install a 32-bit or 64-bit Oracle JRE 7 or JRE 8 from *www.java.com/en*.
  - If you encounter any issue while opening System Manager after upgrading to JRE 8, see Bug ID 864070 in Bugs Online.
    Bug ID: 864070 - Cannot open System Manager after upgrading to Java 8

Your Windows system must be running one of the following:

- Windows Vista
- Windows 7
- Windows 8
- Windows Server 2003
- Windows Server 2008
- Windows Server 2008 R2
- Windows Server 2012
- Windows Server 2012 R2

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 9.0, 10.0, or 11.0 (for Windows)

  Note: Internet Explorer launched in the compatibility mode is not supported.

- Mozilla Firefox 38.0 (for both Windows and Linux)
- Google Chrome 42.0 (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.

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

For information about the supported Data ONTAP versions, see *Supported versions of Data ONTAP* on page 6.

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

Related information

Interoperability Matrix Tool: mysupport.netapp.com/NOW/products/interoperability

New features

System Manager 3.1.2 provides support for new versions of Oracle Java Runtime Environment (JRE) and Internet Explorer.

- Support for Internet Explorer 11
- Support for 32-bit or 64-bit JRE 8

Fixed issues

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

Volumes window displays incorrect Snapshot information

System Manager displays incorrect information about the used and available Snapshot reserve space for the selected volume in the Space Allocation tab of the Volumes window.

This issue is fixed for storage systems running Data ONTAP 8.2 and later. However, the issue persists on storage systems running versions prior to Data ONTAP 8.2.

For more information, see Bug ID 709876 in Bugs Online.

Related information

Bugs Online on the NetApp Support Site at mysupport.netapp.com/NOW/cgi-bin/bol

Cannot delete a client from the 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`.

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

Related information

Bugs Online on the NetApp Support Site at mysupport.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.

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

Related information

Bugs Online on the NetApp Support Site at mysupport.netapp.com/NOW/cgi-bin/bol

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

When System Manager is used to manage storage systems running Data ONTAP versions earlier than 8.1.3 and the Network Interfaces page is opened or when the Network Configuration Checker is run, the storage system might panic if the MTU size is not specified, resulting in data unavailability.

Usually, for these Data ONTAP versions, data is served even if the MTU size is not specified in the `/etc/rc` file.

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.

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

Upgrade or installation issues

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

Cannot open System Manager after upgrading to Java 8.x

If you are running System Manager 3.1.2 on a Windows system and if you upgrade the Java version to Java 8.x, you might no longer be able to open System Manager. The issue occurs because the Java 8.x installer does not remove some files that are retained from the earlier Java versions in the `Windows\System32` directory.

Workaround

Perform the following steps:

1. Use the Windows command-line interface (CLI) and run the `java` command from the `Windows\System32` directory.
2. If you encounter a Java error indicating that the `java.dll` file or the Java SE Runtime Environment could not be found, uninstall all the versions of Java (JDK and JRE) from your system and install Oracle Java Runtime Environment (JRE) 8.
3. Open System Manager.

For more information, see Bug ID 864070 in Bugs Online.

Related information

Bugs Online on the NetApp Support Site at mysupport.netapp.com/NOW/cgi-bin/bol

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.

Java script error reported while upgrading System Manager

While upgrading to the latest version of System Manager, a Java script error is displayed if there are any Jetty processes running in the background or if any application is accessing the port that is used by System Manager.

Workaround

Close all browser windows and tabs before upgrading to System Manager.

Licensing issues

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

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.

Resizing a LUN might result in data loss

While editing a LUN, if you choose to resize it, your data might be truncated and you might lose data.

Workaround

Evaluate the changes before resizing the LUN.

LUN Clone field does not display any value

When you select a LUN in the LUN Management tab of the LUNs window, the details page does not display any value for the LUN Clone field.

Workaround

None.

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

System Manager 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.

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.

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.

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 storage system 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.

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.

Incorrect number of spare disks displayed in the dashboard

The number of available spare disks displayed in the Disks section of the dashboard does not include zeroing disks. System Manager does not count zeroing disks as a spare disk.

Workaround

None.

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.

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.

FCAL disks are incorrectly displayed as SAS disks

In the Create Aggregate wizard, when you try to select disks for the aggregate, System Manager incorrectly displays FCAL disks as SAS disks.

Workaround

None.

For more information, see Bug ID 672624 in the Bugs Online.

Related information

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

HA pairs issues

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

HA Configuration window displays timed-out error message during a giveback operation

If a giveback operation fails for an HA pair, System Manager does not detect these failures and the giveback operation status is incorrectly displayed as in progress. A `Giveback in progress` message is displayed and the operation might stop with a timed-out error message.

This issue occurs when the giveback response time exceeds the timeout value, or if the operation has failed.

Workaround

1. Refresh the HA Configuration window.
   The giveback status shows **`success`** when the operation is completed.
2. If refreshing the window fails again with an error message, run the `storage failover giveback` command from the command-line interface (CLI) to start the giveback operation.

Incorrect HA status is displayed during a takeover or giveback operation

When you perform a takeover or a giveback operation for an HA pair, the HA Configuration window might display the HA status as **`Error`** instead of **`Failover`** for the failed node. The HA status is displayed as **`Error`** when System Manager cannot retrieve the HA status.

Workaround

1. Refresh the HA Configuration window to view the updated HA status.
2. If refreshing the window fails, run the `cf status` command from the command-line interface (CLI) to view the HA status.

For more information, see Bug ID 604647 in Bugs Online.

Related information

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

Partner disk state is incorrectly displayed as broken

System Manager 2.1 and later versions incorrectly display the partner disks state in HA configuration as **`Broken`** for storage systems running Data ONTAP 8.1. This issue occurs due to an API error.

Workaround

Use the command-line interface (CLI) to check the correct disk state.

You can also upgrade your storage system to Data ONTAP 8.1.1 and later releases.

For more information, see Bug ID 725403 in Bugs Online.

Related information

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

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

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 Help For 7-Mode*.

Network configuration checker reports a configuration mismatch

When there is an unused VLAN, the network configuration checker tool in System Manager falsely reports a configuration mismatch because the tool does not check for the unused VLAN.

Workaround

Ignore the false report if the VLAN is unused.

Network configuration checker does not verify all mismatches

The network configuration checker tool in System Manager compares the active and persistent configuration values and the command sequence of some network configuration settings in the `/etc/rc` file. However, the network configuration checker tool does not verify all the parameters of the `ifconfig` command.

Only the following System Manager induced mismatches and errors are verified:

- ifconfig status
- ifconfig media type
- Truncation of characters in the `/etc/rc` and `/etc/hosts` files

For example, consider the command `ifconfig e0a hostname -e0a mediatype ato flocontrol full netmask 255.255.0.0 mtusize 1500`. In this example, the character “w”

is missing in the `flow control` option and "u" is missing in the value **`auto`** for the `media type` option. The network configuration checker tool detects this statement as a mismatched entry.

The tool detects corruption in the network commands, such as `ifconfig`, `ifgrp`, `route`, and `vlan`, and their corresponding arguments. However, if the corruption is in the argument values of the commands, the tool does not detect the corruption.

For more information, see Bug ID 690581 in Bugs Online.

Related information

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

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

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

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

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 the 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

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

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 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 or the vault feature, you should familiarize yourself with the data protection issues in this release.

Snapshot copy information takes a long time to load

System Manager takes a long time to list Snapshot copies after a single file SnapRestore operation. This issue occurs because Data ONTAP takes a considerable amount of time to calculate details about the space consumed by the Snapshot copies.

Workaround

None.

For more information, see Bug ID 583013 in Bugs Online.

Related information

Bugs Online on the NetApp Support Site at mysupport.netapp.com/NOW/cgi-bin/bol

Creating and managing Open Systems SnapVault relationships not supported

You cannot create and manage Open Systems SnapVault (OSSV) relationships by using System Manager. The SnapVault window lists the OSSV relationships; however, all the operations are disabled for the relationships.

Workaround

None.

For more information, see Bug ID 858780 in Bugs Online.

Related information

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

SnapVault Relationships tab takes some time to load

When there are a large number of interface groups or virtual local area networks (VLANs) on the controller, the SnapVault Relationships tab takes some time to load and display information.

When a large number of interface groups or VLANs are created on the controller, System Manager retrieves information about these entities. Therefore, SnapVault Relationships tab might take some time to load. For example, for a storage controller that has four or five interface groups or VLANs, the SnapVault Relationships tab takes approximately 8 seconds to load.

Workaround

If there are a large number of interface groups or VLANs present, there is no viable workaround other than waiting until System Manager finishes retrieving information.

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.

Browser issues

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

Browser memory leak occurs if the application is run for more than a day

System Manager experiences browser memory leaks if the application is continuously running for more than a day. The background panes of the application are not displayed correctly and appear black. However, the active window is displayed correctly.

Workaround

Close and reopen the browser to correctly display all the windows in 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 Windows 8 and Windows Server 2012

System Manager cannot detect the built-in Flash Player in Internet Explorer.

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

If you are using Internet Explorer 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

Install the Flash Player using another browser.

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

Cannot launch System Manager

If the file path of the browser that is used to launch System Manager is incorrectly specified in the configuration file, when you try to launch System Manager an error message is displayed requesting you to verify the browser path.

Workaround for Windows

Perform the following steps to modify the browser path:

1. Navigate to the user preference directory that contains the System Manager configuration file:
   - For systems running Windows Vista or later, navigate to `c:\Users\`*`user_name`*`\NetApp\SystemManager`
   - For systems running Windows XP, navigate to `c:\Documents and Settings\`*`user_name`*`\NetApp\SystemManager`
2. Open the `SystemManager.config` file in a text editor and modify the browser path specified in the `<browser> </browser>` tag.

Workaround for Linux

Perform the following steps to modify the browser path:

1. Navigate to `/root/NetApp/SystemManager/` that contains the System Manager configuration file.
2. Open the `SystemManager.config` file in a text editor and modify the browser path specified in the `<browser> </browser>` tag.

Other issues

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

Some screens stop working if command-line options are modified

When System Manager is running, if any options that might impact the communication between Data ONTAP and System Manager such as SSL, TLS, HTTP, and HTTPS are modified, there might be some errors. Some of the screens might stop working while loading the status and display partial data.

Workaround

Restart System Manager after modifying the options from the command-line interface.

For more information, see Bug ID 868266 in Bugs Online.

Related information

Bugs Online on the NetApp Support Site at mysupport.netapp.com/NOW/cgi-bin/bol

Cannot manage storage systems

When you double-click the storage system that you want to manage, the storage system management tab either opens with a blank page or freezes while authenticating credentials. The issue occurs because there is no response from the System Manager web server.

Workaround

1. Close System Manager.
2. Ensure no Java processes related to System Manager are running.
3. Restart System Manager.

Unable to launch System Manager

You cannot launch System Manager if either the configuration file or keystore file is corrupted. Sometimes, after launching System Manager, you cannot manage storage systems because of the configuration file being corrupted.

After restoring the files, you can launch the System Manager application and manage storage systems. However, any changes made at the application level in the preceding session might not be saved. These changes are specific to your input on the home page in System Manager. For example, storage system credentials might not always be stored after restoring the files. Therefore, you have to reenter the credentials after launching System Manager.

Workaround

- Restoring the `.config` file:

1. Close System Manager.
2. Ensure no Java processes related to System Manager are running.
3. Navigate to the configuration file location:
   - Default location in Windows: `C:\Users\`*`user_name`*`\NetApp\SystemManager`
   - Default location in Linux: `/root/Netapp/SystemManager`
4. Copy the contents of `SystemManagerBackup.config` to `SystemManager.config`.

- Re-creating the `.ks` file:

1. Close System Manager.
2. Ensure no Java processes related to System Manager are running.
3. Navigate to the keystore file location:
   - Default location in Windows: `C:\Users\`*`user_name`*`\NetApp\SystemManager`
   - Default location in Linux: `/root/Netapp/SystemManager`
4. Delete `SystemManager.ks`.
   Subsequently, when you launch System Manager, a new `SystemManager.ks` file is automatically generated.

Cannot delete UNIX groups

You cannot delete UNIX groups by using System Manager for storage systems running Data ONTAP versions earlier than 8.1.

Workaround

Use the command-line interface (CLI) and run the `cifs access -delete` command to delete UNIX groups. For example:

```
cifs access -delete HOME -g ip3poee7
```

FC or FCoE service start fails with an incorrect error message

System Manager displays an incorrect error message when you start the FC or FCoE service without an FC adapter present in the target storage system.

The following error message is displayed: `Data ONTAP API Failed :Cluster interconnect has never been up. If clustering has just been licensed a reboot is required to enable the cluster interconnect, or the cluster cables could be unplugged. Please correct before starting fcp (Error: 9073)`.

Workaround

None.

FlexCache volumes not supported

You cannot manage FlexCache volumes by using System Manager.

Workaround

None.

Default security style is set to UNIX for SAN volumes

System Manager sets the default security style of SAN volumes to UNIX while creating volumes even though the default security style option `wafl.default_security_style` is set to **`ntfs`**.

Workaround

None.

Incorrect LDAP client configuration can cause SecD to abort

System Manager allows you to create an LDAP client configuration by specifying the Active Directory domain name. However, if you do not specify the IP address of the preferred Active Directory server or you specify an incorrect IP address, the LDAP client configuration becomes invalid, causing SecD to abort and go into a restart loop.

System Manager does not display any warning message when you create an invalid LDAP client configuration.

Workaround

Use the command-line interface to delete the LDAP client configuration that contains the entry with an invalid IP address or no IP address. Additionally, provide the correct IP address for the preferred Active Directory server when creating the LDAP client configuration along with the Active Directory domain name.

Cannot launch System Manager on Windows systems

When you try to launch System Manager on Windows systems, the application does not open and the following error message is displayed: `Error while starting Jetty java.net.SocketExpection: denied: listen.`

Workaround

Add the following values for a new Windows environment variable in the Advanced tab of the System Properties window:

Variable name: **`_JAVA_OPTIONS`**

Variable value: **`-Djava.net.preferIPv4Stack=true`**

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

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.

User name field is blank for each new login session

If the System Manager configuration file is corrupted, the user name field in the login screen is populated with a null value instead of the cached user name when a user attempts to log in. As a result, the user name must be manually entered for each login attempt.

Workaround for Windows

Navigate to the user preference directory and delete the `SystemManager.config` and `SystemManager.ks` files:

- For systems running Windows Vista or later, navigate to `c:\Users\`*`user_name`*`\NetApp\SystemManager` for the files.
- For systems running Windows XP, navigate to `c:\Documents and Settings\`*`user_name`*`\NetApp\SystemManager` for the files.

Workaround for Linux

Navigate to `/root/NetApp/SystemManager/` and delete the `SystemManager.config` and `SystemManager.ks` files.

For more information, see Bug ID 592472 in Bugs Online.

Related information

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

Known issues in Japanese and Chinese versions

You should familiarize yourself with the known issues in the Japanese and Chinese versions of System Manager.

Japanese and Chinese characters are displayed incorrectly in some fields

If you enter Japanese or Chinese characters in certain fields of System Manager, the application interface does not save the Japanese or Chinese characters and they are displayed incorrectly in these fields. This issue occurs because of certain limitations in Data ONTAP.

You must enter only English characters in the following fields of System Manager:

- Volume name
- FlexClone volume name
- FlexClone file name
- Snapshot name
- Share name
- LUN name
- Aggregate name
- Qtree name
- User name
- Group name
- Roles name
- iSCSI target alias
- Target portal group name
- Configuration name
- vFiler unit name

You must also be aware that 4-byte characters are not displayed correctly in all the fields of the application interface.

Workaround

None.

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