

NexentaStor 3.1.2

Release Notes

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Upgrading from 3.0.4 and earlier with an Internet Connection

Perform a 'setup appliance upgrade' to upgrade the appliance to the latest v3.0.5 and ensure all patches are installed. Then upgrade the appliance to 3.1 using the command, 'setup appliance upgrade -r 3.1'. This will upgrade the appliance all the way to 3.1.2.

Upgrading from 3.0.5 with an Internet Connection

Perform a 'setup appliance upgrade' to ensure the appliance is at the latest change set and has all 3.0.5 patches installed. Then upgrade the appliance to 3.1 using the command, 'setup appliance upgrade -r 3.1'. This will upgrade the appliance all the way to 3.1.2.

NOTE: For HA Cluster configurations it is vital to install the `mapmgr` patch *prior* to upgrading to NexentaStor 3.1.1. For more information refer to the 060711 Technical Bulletin and Field Information Notice 2011-02 available in the Self-Service Portal.

Upgrading from 3.1.0 With an Internet Connection

To upgrade from 3.1.0 or 3.1.1 to 3.1.2 use the NMC command 'setup appliance upgrade'.

Upgrading from 3.0.x or 3.1.1 Without an Internet Connection

If you are unable to connect to the Internet to upgrade your system please contact support@nexenta.com.

What's New in this Release

The 3.1.1 release delivers a variety of fixes which are detailed below.

Enhancements

#5912 Update to terminfo database adding modern terminals

#5394 Feature Request: Option to set UID when creating accounts

Bug Fixes

General

- #5414 Syseventd dumps core
- #6901 Comstar loses targets
- #7013 Add “-m” parameter to “setup appliance upgrade” command to avoid reboot when “-y” parameter is specified.
- #7016 Apparent deadlock in zfs_ioc_rollback thread affecting other zfs operations
- #7194 DBus 1.2.x leaks sockets
- #5891 Update to Emulex OCE driver
- #6667 Updated acpica
- #6948 Slow response to ‘show lun’
- #6530 mpt_sas crash when in a multi-initiator configured
- #6679 Support for latest generation Intel 1Gb parts
- #7001 Fix for mdb
- #5639 FMD service segmentation fault, core dump
- #6242 Improved ixgbe driver
- #5809 NMC display bug with a pool name
- #6378 NMS log inflated and unusable at default trace_level
- #6386 ses-check spams nms.log with trace_level 1
- #6358 Unable to remove proxy setting after upgrade proxy configuration
- #7364 "hddisco" hangs after unplugging both cables from JBOD (and NMS too)

CIFS and NFS

- #6809 OS X Lion (10.7) Finder access denied
- #5653 ACLs disappearing after reboot or when idle for a long period
- #6885 Chmod is not -R friendly when doing ACLs
- #5431 Lose access to the shares, smbdr_exchange failed
- #5827 Integrated new smbdr
- #5708 Automatic reuse of UID causing ACL issue
- #6903, #7000 Unable to set UID to anything above 60000 after adjusting uid_range_max
- #6140 Automatic reuse of uid causing user quota issue

NMV

- #5145 NMV zpool status sorts by diskname, not vdev
- #6798 Interfaces in the appliance that scan and/or gather properties of attached luns exhibit slowness
- #6138 Exception handle is broken in NMV
- #5089 NMV fails when adding a new disk prior to Wizard1
- #6179, #6293 NMV internal error
- #6337 Illegal division by zero in ‘show appliance nms pool’ command

HA Cluster

#6209 mapmgr doesn't always map everything with large number of LUs

#6543 HA failover takes NMS offline due to event notifier causing target portal delete

Auto-Sync

#6230 Auto-Sync appears to use zdb and fails if zdb does not return as expected

#6446 Auto-Sync cannot correctly estimate the size of the resulting data and thus cannot display the progress correctly.

Known issues

Summary Description

From within NMV attempts to create an auto-tier service fail.

Problem Summary

The system responds with "Error in testing access rights on destination: Unable to change owner. For more info, please see . However there are no issues with the access rights.

Workaround

Use the command 'setup auto-tier create' to create an auto-tier service.

Summary Description

The hosts-check daemon appears to hang.

Problem Summary

This issue happens when "__require_save_configuration()" has been executed many times per minute.

Workaround

You can either wait for the daemon to time out or restart NMS. The default time out is 1 hour.

If you choose to restart NMS please run the following commands from bash:

```
# svcs nm{s,v} nmcd nbs nmdtrace dbus rmvolmgr
```

If any are offline then run the following for any service that is offline

```
# svcadm clear <service>
```

```
# svcadm clear rmvolmgr
```

```
#svcs -v
```

```
#svcadm clear nms
```

Then run

```
# svcadm -v enable -rs nms
```

If this fails we may want to systematically stop all the following services and ensure none are running and then start them all again as follows:

```
svcadm -v disable nms  
svcadm -v disable nmv  
svcadm -v disable nmcd  
svcadm -v disable nbs  
svcadm -v disable nmdtrace  
svcadm -v disable dbus
```

```
svcadm -v disable rmvolmgr
```

.. wait a few minutes and run 'svcs nm{s,v} nmcd nbs nmdtrace dbus rmvolmgr' to ensure they are offline.

Then run the following:

```
svcadm -v enable rmvolmgr  
svcadm -v enable nms  
svcadm -v enable nmv  
svcadm -v enable nmcd  
svcadm -v enable nbs  
svcadm -v enable nmdtrace  
svcadm -v enable dbus
```