NexentaFusion 1.2.2
Release Notes

Date: May, 2020
Part Number: nf-1.2.2-releasenotes-RevB
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Revision History

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<th>Revision</th>
<th>Date</th>
<th>Description</th>
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<tr>
<td>nf-1.2.2-releasenotes-RevA</td>
<td>May, 2020</td>
<td>NexentaFusion 1.2.2 GA version.</td>
</tr>
<tr>
<td>nf-1.2.2-releasenotes-RevB</td>
<td>May, 2020</td>
<td>NexentaFusion 1.2.2 GA version.</td>
</tr>
</tbody>
</table>
NexentaFusion 1.2.2

Improvements in 1.2.2

- Added an ability to share filesystems using S3 protocol
- Added a replication service option to replicate user created snapshots
- Added a replication service option for automatic rollback of destination dataset to a certain snapshot in case source has been rolled back to this snapshot
- Improved notifications about HA-services which are in the "Blocked" state
- Added default alert rule about HA-cluster license expiration

Known Issues in 1.2.2

Table 2: NexentaFusion 1.2.2 Known Issues

<table>
<thead>
<tr>
<th>Component</th>
<th>Key</th>
<th>Description</th>
<th>Workaround</th>
</tr>
</thead>
<tbody>
<tr>
<td>NexentaFusion HA</td>
<td>NEX-7434</td>
<td>NexentaFusion can continue to display an appliance as a cluster even after the cluster has been destroyed.</td>
<td>Unregister the cluster, and then re-register the individual nodes as separate appliances.</td>
</tr>
<tr>
<td>NexentaFusion Pool Management</td>
<td>NEX-7663</td>
<td>The NexentaFusion UI allows users to attempt to import a pool even when it is unavailable for any reason. Until the import attempt is made, the user cannot tell the status of the pool.</td>
<td>If a pool import fails, resolve the condition making the pool unavailable and attempt again.</td>
</tr>
<tr>
<td>NexentaFusion HA</td>
<td>NEX-8125</td>
<td>Creating a cluster between two nodes already registered in the NexentaFusion UI will not be reflected in the NexentaFusion UI; UI will continue to recognize the nodes as separate, un-clustered nodes.</td>
<td>Either establish the cluster and then register, or un-register and re-register the cluster nodes.</td>
</tr>
<tr>
<td>NexentaFusion UI Initial Login</td>
<td>NEX-8417</td>
<td>When starting up NexentaFusion using the Firefox browser, there may be some error messages the first time NexentaFusion is started after install. (occurs only with self-signed certificate).</td>
<td>Acknowledge the errors and continue. Refresh the webpage if additional issues are encountered.</td>
</tr>
<tr>
<td>NexentaFusion FS Snapshot Management</td>
<td>NEX-8426</td>
<td>The NexentaFusion UI does not allow a filesystem containing snapshots with clones to be destroyed. The error is: Failed to destroy snapshot: pool/filesystem@snapshot. Status code: EEXIST</td>
<td>Destroy filesystem from NEF CLI: filesystem destroy -R pool/filesystem</td>
</tr>
<tr>
<td>NexentaFusion FMA alert</td>
<td>NEX-14950</td>
<td>A heavily-loaded appliance with a large FMA alert database may result in NexentaFusion displaying an &quot;unknown&quot; icon in the health widget for CPU and Network utilization.</td>
<td>Use the CLI or the NexentaFusion Management/Case Monitoring view to check for alerts on CPU or NW utilization.</td>
</tr>
<tr>
<td>NexentaFusion iSCSI Target</td>
<td>NEX-15867</td>
<td>NexentaFusion fails to remove the iSCSI Target from the target group when the iSCSI Target state is unknown.</td>
<td>Enable/Resolve the iSCSI target service state. Delete the target or group from the CLI.</td>
</tr>
<tr>
<td>Issue</td>
<td>ID</td>
<td>Description</td>
<td>Solution</td>
</tr>
<tr>
<td>-------</td>
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</tr>
<tr>
<td>NexentaFusion Upgrade</td>
<td>NEX-18732</td>
<td>NexentaFusion upgrade wizard could appear to hang when upgrading from 1.2.0 to later versions.</td>
<td>Press “Return” when this happens.</td>
</tr>
<tr>
<td>SMB shares</td>
<td>NEX-15887</td>
<td>NexentaFusion and the NEF CLI do not support adding SMB shares with spaces for the share name.</td>
<td>Nexenta recommends avoiding using share names with spaces in them. If avoiding spaces is impossible, contact Nexenta Support for assistance with adding shares with spaces in the name.</td>
</tr>
<tr>
<td>NexentaCloud Upgrade</td>
<td>NEX-17506</td>
<td>The error &quot;invalid value ... for instance type&quot; occurs rarely during the license upgrade process for a NexentaCloud instance.</td>
<td>Click &quot;Continue&quot; in the COG, and the upgrade should complete successfully.</td>
</tr>
<tr>
<td>NexentaCloud</td>
<td>NEX-19122</td>
<td>Currently there is no option to upload/download a bundle for a NexentaCloud appliance.</td>
<td>None.</td>
</tr>
<tr>
<td>UI</td>
<td>NEX-8575</td>
<td>In situations where an appliance is heavily loaded, or the user is “fast clicking” between screens it is possible to see timeout errors displayed on the NEXENTAFUSION UI.</td>
<td>Simply wait a few seconds and click refresh.</td>
</tr>
<tr>
<td>UI</td>
<td>NEX-16610</td>
<td>Occasionally when logging in again after a session has expired, the NexentaFusion orange menu bar will appear to hang with a spinner.</td>
<td>Click F5 to refresh the browser.</td>
</tr>
<tr>
<td>UI</td>
<td>NEX-22737</td>
<td>In some cases while changing iSCSI service properties Fusion may indicate an Error</td>
<td>There are two possible workarounds for this: 1. Use NEF CLI to perform changes in iscsit service or 2. Ignore the error in Fusion and check that the configuration changes are applied after closing the error message</td>
</tr>
<tr>
<td>UI Filesystems</td>
<td>NEX-22179</td>
<td>In rare cases Fusion incorrectly reporting duplication of pools and filesystems</td>
<td>Use NEF CLI for pools and filesystems management.</td>
</tr>
</tbody>
</table>
Installation and Upgrade Procedures

NexentaFusion Deliverables

- NexentaFusion continues to be delivered as an OVA file to be used on VMware based hypervisors.
- Download the OVA from the URL in the fulfillment email.

- Additionally, NexentaFusion can be deployed as a docker container and is available via a script from nexenta.github.io.

- NexentaFusion is also available as an instance in the public cloud through the AWS marketplace (https://aws.amazon.com/marketplace/pp/B07B5DMXX2?qid=1530072691678&sr=0-1&ref_=srh_res_product_title)

- To Subscribe to NexentaFusion:
  - Go to the AWS Marketplace home page, and type Nexenta into the search box.
  - Review the NexentaFusion listings.
  - Click “NexentaFusion in AWS” listing to subscribe to NexentaFusion.

NexentaFusion must be upgraded prior to upgrading NexentaStor.

Note:

- NexentaFusion 1.2.2 supports NexentaStor 5.1.2, 5.2.0, 5.2.1, 5.2.2, 5.3 and NexentaCloud 5.1.2, 5.2.0, 5.2.1, 5.2.2, 5.3
- NexentaFusion 1.2.2 can be upgraded from 1.2.0, 1.2.1, 1.2.1-FP1, 1.2.1-FP2
- NexentaStor 5.3 requires NexentaFusion 1.2.2

Follow the instructions in *NexentaFusion 1.2 Installation Guide – RevB* to install and upgrade the above listed NexentaFusion deliverables.
Where to Find More Information

For additional information, refer to the documents listed here that are posted at https://nexenta.com/products/documentation.

**NexentaStor & NexentaFusion Product Guide**
This document includes an overview of NexentaStor and its core components, describes key features. This manual is intended as a guide to NexentaStor concepts and not as a configuration guide.

**NexentaStor 5.x Hardware Certification List (HCL)**
This document provides a list of certified hardware for NexentaStor 5.x and is intended for Nexenta Partners and Nexenta customer-facing organizations.

**NexentaStor 5.3 Installation Guide - RevA**
This document includes the instructions to install and upgrade NexentaStor.

**NexentaFusion 1.2 Installation Guide - RevB**
This document includes the instructions to install and upgrade NexentaFusion.

**NexentaStor 5.2 Data-At-Rest Encryption Configuration QuickStart - RevA**
This guide covers the details to protect the data at rest.

**NexentaFusion 1.2 User Guide and Online Help - RevB**
This user guide provides easy to follow step-by-step instructions for common configuration and monitoring tasks.

**NexentaStor 5.3 CLI Configuration Guide - RevA**
This configuration guide demonstrates the basic steps and commands to configure and manage NexentaStor 5.2 appliances.

**NexentaStor 5.3 CLI Reference Guide - RevA**
This reference guide provides a summary of the CLI commands. Use it in conjunction with the NexentaStor 5.2 CLI Configuration Guide.

**NexentaStor 5.3 HA CLI Configuration Guide - RevA**
This quickstart demonstrates the basic steps and commands to configure and manage the NexentaStor 5.2 High Availability (HA) cluster using the NexentaStor 5.2 Command Line Interface (CLI).

**NexentaStor 5.2 vCenter Plugin QuickStart - RevB**
This quickstart includes instructions to install NexentaStor 5.2 vCenter Web Client Plugin (vCenter Plugin), which enables VMware customers to configure and manage storage and virtualization through a single interface. You can use this plugin to access summary and detailed analytics and real time status monitoring of single and clustered NexentaStor appliances.

**NexentaStor 5.3 High Performance Replication (HPR) User Guide - RevA**
This user guide demonstrates how to configure High Performance Replication (HPR) to replicate datasets using the NexentaStor Command Line Interface (CLI).

**Multi-Tenant File Services NexentaStor 5.3 CLI User Guide - RevA**
This guide demonstrates the basic steps and includes tenant specific commands to create a tenant and manage its resources from a host storage system as a host admin.
NexentaStor 5.3.0 Release Notes - RevA
This documentation contains the list of new enhancements that were added as part of this release, the list of issues that were resolved, and also the known issues pertaining to this build.