Archive Management Software

Product Release Notes

Release Details

Release Name	Archive Management Software (AMS)
Release Note Number	20
Release Version	6.00.19 (MD5: 623d463c07fea82d7b600d392f5639ad)
Software Release Date	December 16, 2016
License Release Date	June 28th 2016, 12:00:00 UTC
Release Type	Full release (Beta)
NETArchive S-Series Firmware	v1.05 NA-S10 Library v1.20 NA-S30 Library v1.57 NA-D77U / NA-D77F Drives
Documentation Version	Administration Guide - 810-104334-00 Service Manual - 800-104335-00
Supported Platforms	NA-R100

AMS 6.0 - Product Enhancements

New Feature/Enhancement	Description/Benefit
Support for NETArchive S-Series Libraries and Drives	AMS now supports NETArchive system components, including tightly integrated Sony ODA components. These include the ODS-L10, ODS-L30M, ODS-L60E, ODS-L100E, ODS-D77U and ODS-D77F.
NETArchive Media Management Support	AMS now supports media management operations for the NETArchive S-Series library enclosures, including UI based Add and Remove media functions to facilitate AMS centralized control of the I/E Station and Drawer to facilitate adding and removing media from the libraries.
Archive to Cloud (Azure Blob Storage)	AMS can now migrate files to the Azure Cloud as well as Amazon Cloud Storage and optical media. The user interface has been enhanced to manage Cloud provider accounts, show the cloud status and link a cloud provider to an archive. Each archive can only be linked to one cloud provider. In the case of a recovery, AMS will automatically synchronize with the cloud account.
Support the new NA-R100 SMS server	AMS now adds support for this new super server enclosure, including support for USB 3.0 SuperSpeed, FibreChannel, and other key server features in support of the NETArchive S-Series Optical Libraries and Drives.
Support the LSI RAID SAS9266-8i card with Cache Vault Supercap/NAND Flash Backup	AMS now adds support for this raid card with supercap / NAND flash memory, providing enhanced battery life and eliminating issues with battery life and replacement.

Product Capacity based License Feature Key Quota Enforcement for Cloud and Encryption	AMS License Feature Keys have been updated to facilitate quota limits for Cloud Migrations and Encryption of data. The AMS will track usage of these optional features and will halt migration of data to the cloud and all migration involving encryption should the quota's be reached. Appropriate warning messages are issued. Once higher quota's are specified with a new Licence Feature Key, operations will continue as normal.
Backup options to the internal SSD	With the NETArchive NA-R100 Server, a second SSD is now installed. By default, the backup image is automatically taken to the 2nd SSD, and can be optionally also made to a specified network share location, which is highly recommended. No RW media is utilized for back up with the NETArchive.
64 bit kernel support	The AMS now runs using a 64 bit kernel.

AMS 6.0 – Changes & Fixes

Change ID	Category	Descriptive Notes
N/A		Base release

Known issues

1. **Recall may time out** if the bandwidth is not sufficient to download the migration container file. This is a current limitation but should be rectified in a future release.

2. While recalls from the cloud are occurring the CIFS connection will block for longer than from optical media. This in turn can result in a timeout **of concurrent write operations** from the same client.

3. If the Master Wrapping Key has been restored, it is necessary to restart SSM as the cloud service needs to be re-initialised and validated.

4. When the backup target is changed, it is necessary to restart the SSM service for the change to take effect.

5. In the highly unlikely event that imported key pages are missing from the key page cache WITHIN the range of key pages (i.e. not the first or last key page), the key recovery will report this and stop. In this event the key recovery needs to be restarted until the recovery completes.

6. If replicating between an Archive Appliance running the 4.20.31 version of the AMS system to a NETArchive running 6.0.xx or higher, due to SSH (Secure Shell) authentication connection handshake issues, the following commands must be run on the 4.20.31 AMS system. Alternatively, you can upgrade the 4.20.31 system to 5.0.17 or higher where this issue does not exist.
   - Log in on the CLI. You must be in super user mode, such as root.

- $ ssh-keygen -t rsa
  => Here do not set the passphrase, just press enter
- $ cat ~/.ssh/id_rsa.pub | ssh admin@PASSIVE_SYSTEM_IP "mkdir -p ~/.ssh && cat >> ~/.ssh/authorized_keys"

Installation Note

New users should refer to the "NETArchive Installation and Configuration Guide" (800-104336-00) for setup instructions.

Supported Upgrade Paths

There are currently no upgrade paths for NETArchive installing the AMS 6.0 product release. This is the base product release. Future releases and patch release upgrade paths will be supported.

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