Operating System Release Notes

Version 11.0.0

2021-10-14

Supports:

Azure FXT Edge Filer (all models)

Avere FXT (all models)

Avere vFXT for Azure

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What's new in version 11.0.0

Resolved issues

General

10408631	Changed the behavior of some cluster activity trackers. As a result, users might see more activities listed in the cluster activity UI than before this change, and list items will persist longer than before.
	Internal testing revealed a problem that could cause certain activity trackers returned from XML-RPC requests (and listed in `cluster.listActivities`) to be deleted before the activity was completed. This bug was fixed, and the default lifetime for activity trackers after completion was increased from 10 minutes to 30 minutes.
10205197	Fixed a bug that prevented a particular type of alert email from being sent.
10692992, 10693020, 10784128	Updated FreeBSD and OpenSSL to address security vulnerabilities.
10784306	Fixed a timing issue that could prevent a newly created HPC Cache or FXT/vFXT cluster from serving data. The issue involved newly created cluster nodes that were erroneously marked as unresponsive.

HPC Cache

9705961	Simplified an internal configuration database to prevent jobs from becoming stuck and requiring manual intervention.
10540085	Fixed a defect that could leave DNS poller alerts active after the storage target had been removed. This issue could cause an Azure HPC Cache to go to Degraded state.

NFS

9339215	A probe was added to monitor the health of NFS TCP connections to NAS storage systems. If NULL RPCs cannot succeed on a connection for 20 minutes, then the connection will no longer be used for new NFS operations.
	If there are pending NFS operations on that unhealthy connection, then reconnect attempts will be made after a delay. After each unsuccessful reconnect attempt, the delay will increase, up to a maximum of one hour. The delay is designed to allow firewall state to time out.
	This work item applies to NAS core filers created with OS version 11.0 or later. Existing core filers are not affected.
	Connectivity conditions might take up to three hours to clear. Defective or misconfigured firewalls can extend this time indefinitely. The TCP connection parameters in the condition will aid in firewall troubleshooting.

9574121	This change prevents a NAS storage system export from being used in a core filer if it has a hierarchical relationship with an export on any other core filer. That is, it prevents the same file from being accessed through more than one file path on the AOS cluster. Cluster core filers are considered to access the same storage system if their DNS names or the resolved IP addresses intersect.
10536241	Corrected a defect that prevented three or more duplicate xNFS core filers from being able to create the required number of TCP connections. This issue occurred in OS releases from 7.0 through 10.0.

SMB/CIFS

10670376	Fixed a problem that sometimes could cause the SMB service to restart and write a core file after a client requested a file that had a share mode conflict. This change ensures that a sharing violation error is returned to the client in the case of a file share mode conflict.

Previous release information

This release builds on the contents of these recent software updates:

- [Version 10](#) – September 2021
- [Version 9](#) – August 2021
- [Version 8](#) – June 2021
- [Version 7](#) – May 2021
- [Version 6](#) – June 2021 (updated)
- [Version 5.3](#)

For possible release notes updates, check the [legacy documentation page](#).

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