Operating System Release Notes

Version 12.0

2021-12-02

Supports:

Azure FXT Edge Filer (all models)

Avere FXT (all models)

Avere vFXT for Azure

Table of Contents

What's new in version 12.0

Resolved issues

Filesystem

9733190	Updated code to provide an alert when a node is redeployed.
9786133	Fixed a crash in readdirplus that was caused by an internal race condition.
9855069	Changed code to prevent a deadlock in internal logging processes.
10468272	Improved the speed for reclaiming cache space.
11064137	Fixed a problem that could cause a core filer to become stuck if you attempt to remove it immediately after creating it.
12385587	Improved write throughput in the period immediately after a failover.
12452003	Corrected a race condition that could cause a failure when enabling the directory manager.

General

9547779	The configuration auto-recovery mechanism has been improved to be more reliable and avoid a problem that required operator intervention to fix.
	Before this change, the auto-recovery system for the configuration database sometimes failed to run after an improper shutdown. This failure could cause a node to enter a bad state.
9767028	The default TCP congestion control algorithm is now CUBIC.
12378219	A bug was fixed in the environmental monitoring software that occurred when handling multiple events in a single pass.
12361875	PHP software (used internally) was updated to version 7.4.25.
12426742	Fixed a problem that affected handling of package capture filters.

NFS

9677420	Updated software to enable NFS Kerberos to use the Active Directory user/group download source.
9945311	NFS Version 3 read response behavior was modified to avoid false input/output error responses caused by a Linux NFS client defect.
	The defect causes read system calls from the client to return input/output errors to the client application. It is triggered if the first successful read response for a mount point does not return NFS attributes. After this happens, any future read response that *does* contain attributes causes the client to return an EIO error.

The workaround was to unmount and remount the client, but the problem could quickly re-occur.

After this change, the cluster OS always returns attributes with successful NFSv3 read responses. If attributes are not available, the read response status is set to an appropriate error. This workaround prevents the client from entering the defective state.

This change is enabled by default for vservers that are created after installing this software release.

The feature can be enabled on existing vservers by using a custom setting. Contact support for details.

10224828   Fixed a defect that allowed junctions to be added while a core filer was being removed. This work item also prevents a junction from being added while a core filer invalidate operation is in progress.

Previous release information

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

- [Version 11](#) – October 2021
- [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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