

# Operating System Release Notes

## Version 14.0

2022-04-14

Supports:

Azure FXT Edge Filer (all models)

Avere FXT (all models)

Avere vFXT for Azure

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# What's new in version 14.0

## Resolved issues

### Filesystem

7512940	Added a custom setting that prevents a read-only cache from temporarily caching a client write in order to provide higher throughput for the client workflow.
9714501	Fixed a problem with node failover that could result in invalid attributes being assigned to cached files after a node redeployment.
12860581	Fixed a problem in the high availability module that could cause the main process to fail. This work also improved the recovery time for a node failure.
12954206	Fixed an issue caused by a recent change that could result in corruption on a cold read.
13077828	Fixed a rare deadlock related to internal locking order.
13201934	Fixed a recent regression that could have resulted in wrong mode bits after an exclusive create operation.
13606014	Fixed a regression in the previous release that could cause a crash when gathering "hot files" information.
13956164	Fixed a crash that could occur when cleaning internal cache data.

### General

9774594	Addressed a defect that caused the AD/LDAP login services feature to fail to authenticate users.
9917219	Fixed a problem that could leave configuration attributes uninitialized when a new cluster is created, resulting in unexpected behavior.
12617541	The option to create a "simple" vserver has been removed from graphical and command-line interfaces. The simple vserver is deprecated and only global namespace (GNS) vservers are supported.
13454400	Fixed a problem that could cause the main process or the high availability module to stall when waiting to create new threads.
13089238	Updated the Python library urllib3 to address CVE-2021-33503.
13260112	Changed the HTTP error code returned in the case where a job can't be created because the same job is already running.
13444121	Fixed a network driver issue that caused a problem when used with the newest Azure hardware.
13792788	Fixed an issue in KGDB where kernel modules were not properly loaded when analyzing kernel core dump files.

## NFS

- 9140670 Added support for using alternate cluster networks with optional NAS core filer checks performed when creating a storage target/core filer with `corefiler.create`. The alternate cluster network addresses, if configured, will be used to check and create TCP connections to NFS and MOUNT listeners of the NAS core filer.
- This work also fixed defects that could cause incorrect addresses to be used for the NAS core filer checks, and improved accuracy of the activity details associated with `corefiler.create` in case of a failure.
- 10265400 Fixed a race condition that could result in a filesystem service process restart, with associated core file, while stale lock entries were being removed.

## SMB/CIFS

- 10244346 Improved handling of unexpected responses that the SMB/CIFS logon service might receive from the domain controller when the service attempts to connect to an Active Directory domain. This change improves handling of those responses, and avoids a situation that could generate a core file and require a process restart.
- 12182636 Fixed a problem in which breaking an opportunistic lock (oplock) on a file could cause the CIFS Service to restart and write a core file.

## Previous release information

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

- [Version 13](#) – March 2022
- [Version 12](#) – December 2021
- [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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