

# Operating System Release Notes

## Version 14.1

2022-05-18

Supports:

Azure FXT Edge Filer (all models)

Avere FXT (all models)

Avere vFXT for Azure

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# What's new in version 14.1

The 14.1 release fixes an issue that prevented debugging information from being uploaded for Azure HPC Cache systems. The problem was introduced in version 14.0 and does not affect hardware or vFXT clusters.

# 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.
- 13237768 Updated software to fix a problem that caused a cluster's configuration utilities to stop working. Before this change, a cleanup problem in an open-source library could cause the web server process to run out of resources. If this happened, both XML-

RPC and the Command Panel web interface stopped working until the process was restarted.

The open source library was updated to a newer version and patched to correct the problem.

- 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](#).

## Contact Microsoft Customer Service and Support

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