Operating System Release Notes

Version 15.1

2022-06-14

Supports:

Azure FXT Edge Filer (all models)

Avere FXT (all models)

Avere vFXT for Azure

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What's new in version 15.1

Version 15.1 fixes a regression introduced in 15.0. The problem prevented core dump files from being automatically compressed.

What's new in version 15.0

Resolved issues

Filesystem

12726927	Fixed a kernel panic during shutdown.
13075413	Added protection to a memory structure to prevent a crash in the high availability module.
13169390	Updated code to prevent a deadlock in the main process's log.
13323965	Fixed a watchdog timeout in the high availability module.
13728810	Improved the speed of processing and writing out internal trace files.
13794554	Improved the performance of the Azure HPC Cache priming feature when used with a high file-count and small-file data set.
13958455	Updated code to avoid a system process restart after a network buffer allocation failure.
14029032	Fixed a bug that could cause file metadata conflicts after high availability failovers in a network where cluster nodes can't freely communicate with each other.
14215198	Corrected a file system transaction operation under heavy load that could cause a system process restart.
14032288	Fixed code that could assign an incorrect timestamp on a file object in certain file operations.

General

7485688	The open source package **iperf3** was added to enable additional analysis of network conditions, beyond what was possible with the older **iperf** version.
10324071	The Python HTTP client **urllib3** has been updated to address CVE-2021-33503.
10692992	The OpenSSL library was updated to address security vulnerabilities.
12361875	The internal PHP version was updated to version 7.4.25.
13015560	Fixed a problem in the FreeBSD zero copy module to avoid an out-of-memory panic.
13849113	Updated OpenSSL to remediate upstream security vulnerability CVE-2020-14145.

13914165	Updated the variable type used for setting automatic upload of crash data. Before this change, some code interpreted the value as Boolean. The setting now uses the values **yes**, **no**, and **full**. The default value has changed from **true** to **yes**.
13948492	Fixed a bug in the REST API that caused core filer creation to fail when provided with a space-separated list of IP addresses.
14051614	Upgraded Python from 3.9 to 3.10.
14191928	Fixed a bug that prevented a hardware node from clearing its manufacturer-provided password to replace it with the customer's password.
14214692	Fixed a defect that could cause the Control Panel interface to show incorrect dates for **Last netgroup poll** and **Next netgroup poll**.
14319214	Idle CLI sessions will now time out and close after two hours.

NFS

13698854	Updated code to prevent setting a client-facing NFS connection socket buffer size that is too small. After this change, if the provided value is too small, the OS will set the socket buffer size to an appropriate value based on the current NFS read/write transfer size.
14214993	The internal LDAP query tools were updated to comply with MS-ADTS range retrieval specifications. As a result of this change, the cluster OS can successfully retrieve Active Directory group information for groups with more than 1500 members.

Previous release information

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

- Version 14 – May 2022
- 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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