



Avere OS 4.8.11.1 Release Notes

2019-04-11

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New in Avere OS 4.8.11.1

Resolved Issues

Filesystem

- 26646 Fixed an issue involving a race condition that could cause a rename operation to fail.
- 26706 Updated code to prevent a stale pointer value from being read as part of a core filer directory metadata read.
- 26779 Correctly clear metadata if a rename operation fails.
- 27074 Fixed a problem that could cause permission issues after a file's CIFS or ACL mode changes on a cloud core filer.

General

- 27120 Changed how the Elastic Network Driver (ENA) requests memory. Before this change, the ENA driver requested 16K memory buffers for each packet, which quickly depleted the memory pool. The ENA driver now requests smaller buffers per packet based on the maximum transfer unit size.

SMB/CIFS

- 26220 Fixed a defect involving CIFS ACL data management jobs (both move and mirror) from cloud core filers. The defect could cause a filesystem service restart with associated core file, or a data management job failure.

New in Avere OS 4.8.10.1

Resolved Issues

Cloud Object Store

- 25845 Fixed a problem in the cache file system that caused the process that writes data to the cache disks to stop. This problem affected a database used by the cloud filesystem code, and could cause system restarts.
- 26179, 26401 Reduced memory consumption by improving management in the cloud module memory system.
- 26469 Fixed an issue that could cause directory segments to become inaccessible after an upgrade, thus blocking accesses to multiple entries in the directory.

Filesystem

- 26225 Fixed a problem with token state management to prevent inappropriate token revocation.
- 25949 Improved the token management procedure for handling tokens after the related file has been written to backend storage and removed from the cache.

- 26205 Improved performance by forwarding additional metadata operations when always-forward mode is enabled. This change reduces the chance that a token will be revoked prematurely from the node that holds a file's write token.
- 26255 Fixed a service restart related to a race condition in the directory name lookup cache component under heavy file recycling load.
- 26654 Fixed a bug where the cache manager lookup could erroneously return an access error when the optional extended-user credential groups feature was enabled and the directory didn't have proper tokens.

NFS

- 25023 Addressed an internal configuration timing race that could cause the filesystem service to fail during startup after a software upgrade.

Previous Avere OS Updates

For information about previous Avere OS changes in version 4.8, consult these earlier release notes:

- [Avere OS 4.8.9.1 Release Notes](#)
- [Avere OS 4.8.8.3 Release Notes](#)
- [Avere OS 4.8.7.2 Release Notes](#)
- [Avere OS 4.8.6.1 Release Notes](#)
- [Avere OS 4.8.4.3 Release Notes](#)

Release notes for Avere OS versions before version 4.8 are available from the Avere Systems documentation home page, azure.github.io/Avere/#release_notes.

Contact Microsoft Customer Service and Support

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