



Avere OS 5.3.5.1 Release Notes

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Table of Contents

New in Avere OS 5.3.5.1

Resolved Issues

Filesystem

General

NFS

SMB/CIFS

Contact Microsoft Customer Service and Support

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New in Avere OS 5.3.5.1

Resolved Issues

Filesystem

- 2765262 Fixed a defect that caused the cache to fail to complete flushing data to back-end storage. Additional improvements were made to improve error detection.
- 5132942 Fixed a problem in the HA module that could prevent cluster creation from completing.
- 5239663 Enhanced filesystem access speed while the cache is being populated in the background.
- 5727571 Fixed an out-of-memory condition that occurred when the cluster file system recovery tool encountered very large directories. (This situation involved dozens of directories with more than a million entries each.)
- 5816179 Eliminated a waiting period before starting failover if the filesystem process is failing with a core file.
- 5865574 Disabled bloom filters for directories with names that can cause a rare type of hash collision. This change prevents a possible system restart.
- 6017076 Addressed a defect that prevented the cache from synchronizing with the back-end data structure after back-end directory entries were removed by writing around the cache cluster.
- 6031250 Improved accuracy in directory flushing.
- 6055784 Fixed a problem that could cause a restart during initialization or HA setup if statistics are being collected.
- 6113410 Fixed a crash caused by uninitialized memory.
- 6254713 Fixed a problem that could cause the link count to be off by one if a directory was renamed to the same name as an existing directory that was empty. (The existing empty directory would be overwritten but still appeared in the count.)
- 6278225 Fixed initialization processes to prevent a possible core loop.
- 6290767 Addressed an issue that could cause a filesystem restart if connection requests to a cloud core filer timed out.
- 6416424 Added internal settings that treat all Azure HPC Cache storage targets as WAN connected storage.
- 6446744 Fixed an issue that could cause TLS connections to be opened too frequently to cloud back-end storage, resulting in peer resets.
- 6515235 Added more debugging information to print XML string to log messages in case of error.
- 6528488 Fixed an issue that caused problems upgrading software when cluster nodes had different software versions.
- 7046266 Fixed an issue where the XML parser failed to parse an empty token in a REST response.
- 7119939 Fixed a bug in read-only caching code that could cause nodes to restart.

General

- 2682245 Updated code to ensure that the correct HTTP proxy configuration is always used when attempting to connect to Azure endpoints.
- 5374631 Fixed username/password-authenticated proxy handling when downloading an upgrade package for Avere OS.
- 5877092 Added cluster proxy configuration into requests for the Azure endpoints API when standing up an Avere vFXT for Azure service.
- 6037898 Increased the page pool size for vFXT extra large instances to reflect the correct memory size.
- 6122754 Patched a resource leak in a third-party PHP module that could cause Apache to become unresponsive to requests.
- 7087347 Updated the XML-RPC API code for creating Azure Blob core filers on cloud-based clusters. After this change, the system attempts to detect the blob storage hostname if not supplied, instead of assuming that it is blob.microsoft.net.
- 7112400 Changed software to prevent a node management system crash if a user-configured management address was removed or became unavailable. This problem did not affect management IP addresses assigned by the cluster.

NFS

- 5865686 Fixed a problem that could cause cluster nodes to go into a pending state after connectivity problems with NAS core filers.
- 6008216 Corrected a problem that could cause communication issues with a cluster node. The root cause was a defect that allowed an IP address from an NFS client performing NLM lock operations to be reassigned as a cluster address.
- 6213517 Fixed an error that caused the XML-RPC method `nfs.listExports()` to repeat export discovery even when configured to not retry.

SMB/CIFS

- 5997035 Removed a defect that could cause the CIFS logon service process to enter a bad state after an unrelated core file was generated in a different CIFS logon service process. This situation could cause symptoms that included high CPU utilization and excessive log messages (which could lead to system instability if the log partition became full). After this change, the remaining CIFS logon service process restarts gracefully.
- 6056374 Replaced an internal utility used to download netgroup, username, and username map URIs after a FreeBSD upgrade caused it to stop working. The new utility supports both http and https.
- 6214156 Help for the XML-RPC method `corefiler.create()` has been updated to indicate that NetApp Cluster-mode core filers require the `filerClass` attribute to be set only if CIFS ACL junctions exist.

Contact Microsoft Customer Service and Support

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