Avere OS 4.8.6.1.C1 Release Notes

2018-05-22

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Copyright Information

New in Avere OS 4.8.6.1.C1

This release updates the user interface for accepting the Avere privacy policy.

Cluster administrators must review and accept a revised privacy policy. For clusters that have not yet opted in, a new pop-up dialog with a link to the new document appears on the **Support** tab and on the **Cluster** > **Support** settings page in the Avere Control Panel.
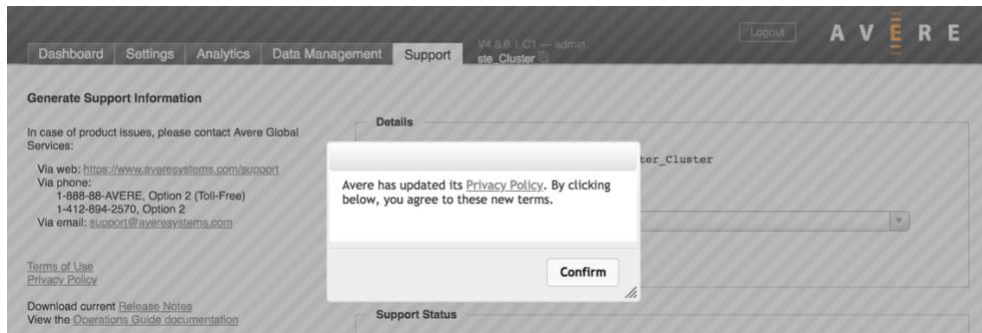
The **Dashboard** tab also displays a condition if the opt-in requirement has not been met.

Data support uploads will be disabled in new clusters until you accept the privacy policy. For upgraded clusters that already have support data uploads enabled, you cannot change the support configuration until you accept the new privacy policy.

Support data uploads include:
- Statistics monitoring
- General information upload
- Crash data upload
- Rolling trace data
- Memory debugging
- Secure Proactive Support (SPS)

Links to the current Avere Systems Terms of Use and Privacy Policy have been added to the sidebar of the **Support** tab. The privacy policy is published here: http://www.averesystems.com/privacy-policy

New in Avere OS 4.8.6.1

Avere OS 4.8.6.1 includes important new security enhancements and usability improvements, as well as some bug fixes.

Avere Systems recommends that all customers upgrade to this release.

New Features and Enhancements

User Statistics Table

The Avere Control Panel Dashboard now includes a table that displays recently active users and the operations they have performed.
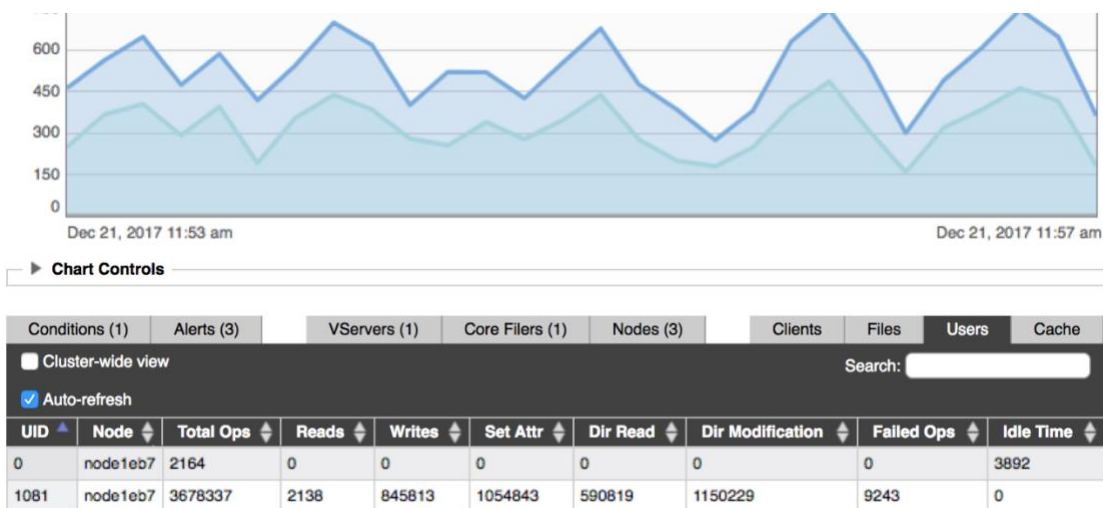
Users are listed by ID. Data shown includes which node they're connected to, total operations, operations broken down into several categories, failures, and idle time. You can choose to see a cluster-wide view, which aggregates users from all nodes.

SMB 2 Default

The default SMB communication protocol has changed from SMB 1 to SMB 2. This change affects communication with clients, NAS core filers, and Active Directory domain controllers.

The new default applies to any cluster created with Avere OS 4.8.6.1 or later. For newly created core filers and vservers, the default protocol is determined based on the AD domain controller as follows:

- New clusters set SMB 2 as the protocol for AD domain controller communication.
- New vservers default to SMB 2 for client communication if the AD domain controller is set to use SMB 2.
- New core filers default to SMB 2 if the AD domain controller is set to use SMB 2.

Support Data Uploads Require Opt In

***Note:** This system was revised in Avere OS 4.8.6.1.C1. Please read the description above for details.*

Resolved Issues

Cloud Object Store

25605	Updated snapshot procedures to avoid a problem caused by taking a snapshot during file removal.

Filesystem

23796	Fixed a performance issue where some sequential reads were recognized as random.
24599	Fixed a race condition that can occur when reading or writing more data than fits in memory.
24747	Fixed an issue where file handle access would reset unnecessarily and caused performance degradation.
25078	Improved support for migrating large files by making use of the unstable write option in NFSv3.
25284	Updated metadata management procedures to avoid an error that could disrupt file access.
25286	Fixed a bug that could cause a service restart after flushing cached metadata.
25486	Information is now preserved for analysis when Local Directories encounters bad file handles.
25554	Eliminated a logic error that could prevent a FlashMove or FlashMirror job from stopping when requested from the Avere Control Panel.
25596	Automatically enabled retries when a metadata flush operation fails with specific internal error codes.
25647	Fixed an issue where setattrs could get stuck while a snapshot was being taken.

General

23435	Updated a field label on the **CIFS Shares** > **Share Details** page to say **Namespace path** instead of **NFS export**.
24545	Fixed a typo in an XML-RPC help description of unconfigured nodes.
25276	Added an alert to confirm a successful software upgrade. The updated software number is shown in a dashboard alert and also in a log message.

SMB/CIFS

21090	Fixed an internal race condition that could cause a stale share mode reservation to persist after the file was closed. This situation could cause a failure when an SMB client attempted to open the file, and eventually lead to an SMB service restart.
24994	Provide an immediate client response from a processing error involving write-protected media on SMB/CIFS core filers. Before this change, the system retried the core filer operation for 50 seconds, delaying client response under some cache policies.
25021	Improve procedures to provide access when multiple SMB users are contending for an SMB connection resource for a NAS core filer. Before this change, SMB clients could experience operation timeouts and fail to make progress toward file access.
25560	The TCP keepalive timer has been lowered from two hours to 30 minutes for all SMB client connections.

Contact Support - Avere Global Services

Support can be reached by web, phone, or email.

By web: http://www.averesystems.com/support

By phone:

    1-888-88-AVERE, Option 2 (Toll-Free)

    1-412-894-2570, Option 2

By email: support@averesystems.com