

Release Notes: IBM Aspera High-Speed Transfer Server, High-Speed Transfer Endpoint, and Desktop Client, 4.4.3

Product Released: September 26, 2023.
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This release of IBM Aspera High-Speed Transfer Server (HSTS), High-Speed Transfer Endpoint (HSTE), and Desktop Client provides the new features, fixes, and other changes that are listed in the following sections. In particular, the Breaking Changes section provides important information about modifications to the product that might require you to adjust your workflow, configuration, or usage. Additional sections cover system requirements and known problems.

New features

Added support to **Watchfolders** for using multi-session mode for transfers in parallel. (Aspera #20)

Added a new configuration option 'db_cert_file' to specify the certificate that is used to enable and verify TLS connections to the configured Redis server. (Aspera #807)

Added support for specifying URIs as source and destinations in async. (Aspera #991)

Added support to async to use local Basic and Bearer tokens. (Aspera #992)

Added support for reporting HTTP fallback transfers activity through the Node API. (Aspera #1133)

SSH Pull watchfolder to work without a token. (Aspera #1191)

Added support for newer algorithms that allow the transfer tools to connect as clients to servers with a hardened SSH configuration. (Aspera #1484)

Added support for specifying a replacement character in asperatrapd if object names contain XML control characters. (Aspera #1550)

Added additional settings to the pvc1_cloud library to control how it connects to Cloud Object Storage servers. (Aspera #1691)

Added support to **async** to use Node user bearer tokens for transfer authorization. (Aspera #1726)

Issues fixed in this release

Aspera #69 - Fixed an issue where transfers that are returned by /ops/transfers using iteration tokens might return inconsistent or duplicate results.

Aspera #838 - Fixed an issue where access keys might not be updated to modify the credentials if the previous credentials had expired.

Aspera #850 - Fixed an issue where configuration setting in aspera.conf associated with a Local Group in a domain environment would not be applied.

Aspera #887 - Reduced the default verbosity of the log messages generated by the pvc1_cloud library.

Aspera #1120 - Fixed a potential memory leak in **ascp** when running in persistent mode.

Aspera #1204 - Fixed an issue where the expiration of tokens that are issued by the Cloud Object Storage service might not be properly managed when using the pvc1_cloud library.

Aspera #1347 - Reduced the default verbosity of the log messages generated by the **asperarund** process.

Aspera #1354 - Fixed an issue where **async** jobs might be terminated if a file is removed from the source system while it is being processed for synchronization.

Aspera #1386 - Fixed an issue where async would repeatedly assign the same paths to transfer processes that had terminated with an error.

Aspera #1391 - Fixed a performance regression when downloading from Cloud Object Storage using `asperatrapd`.

Aspera #1423 - Updated and resolved the problem that prevented **asperanginx** from starting correctly in 4.4.2.

Aspera #1528 - Fixed an issue where it is not possible to register or use an entitlement license when deployed on Microsoft Windows in 4.4.2.

Aspera #1534 - Fixed an issue where `asperarund` sometimes does not stop `asperawatchd` or `asperawatchfolderd` processes.

Aspera #1544 - Fixed a resource leak in **asperanoded** when 'activity_logging' is enabled and there are no access keys.

Aspera #1547 - Fixed an issue where a PUT request to update an access key would be rejected if the payload contained an 'id' field with the same access key ID.

Aspera #1577 - Fixed an issue where transfers token generated through a request to the '/files/download_setup' API endpoint might not work when the payload request specifies a "source_root" path.

Aspera #1698 - Fixed an issue where transfers that use client-side encryption would result in an undecryptable file if the `file_checksum_cache` configuration setting is explicitly disabled in the server.

Aspera #1737 - Fixed an issue where **asperanoded** might not be able to correctly retrieve credentials for transfer processes set using Credential Manager on Microsoft Windows.

Aspera #1807 - Fixed an issue where a PULL `hotfolder` might stop processing new files and cause a crash in the `asperasync.exe` process when stopped.

Other changes

Aspera #445 - Changed how **asperanoded** handles transfers submitted through the `/ops/transfers` API endpoint to avoid having to clear the transfer queue manually at times.

Aspera #1549 - Improved upload performance that uses the `pvc1_cloud` library to write to Cloud Object Storage.

System requirements

Linux 64-bit: RHEL 7, 8, 9. Ubuntu 20.04 LTS. Ubuntu 18.04 LTS. SUSE Linux Enterprise Server (SLES) 12. Debian 10+. Kernel 3.10 or higher and Glibc 2.17+. Rocky Linux 8, 9. Amazon Linux 2. Amazon Linux 2023.

Windows: Windows Server (64-bit) 2012, 2016, and 2019. For client use only, you might also use Windows 10, 11 (64-bit).

macOS: 10.15 (Catalina), macOS 11.0 and 11.1 (Big Sur).

PowerLinux: RHEL 7,8,9. CentOS 7. Ubuntu 20.04 LTS. Ubuntu 18.04 LTS. Your OS version must support little-endian (LE) ordering, and it must run on IBM Power hardware that supports LE ordering. Kernel: Linux 4.4.0-116-generic. Architecture: ppc64-le.

zLinux: Linux on z Systems s390, 64-bit. RHEL 7,8,9. SUSE Linux Enterprise Server (SLES) 12.

Product support

For online support, go to the IBM Aspera Support site at <https://www.ibm.com/my-support/>. To open a support case, log in with your IBMid or set up a new IBMid account.