

# Release Notes: IBM Aspera High-Speed Transfer Server, High-Speed Transfer Endpoint, and Desktop Client, 4.4.0

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Product Released: April 11, 2022  
Release Notes Updated: April 11, 2022

This release of IBM Aspera HSTS 4.4.0 provides the new features, fixes, and other changes listed below. 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

Improved the performance of `async` when transferring file sets containing a large amount of very small files. (WAT-1077)

Added settings in `aspera.conf` to configure resume mode for `async` in `aspera.conf`. (WAT-1047)

Allow `async` to continue the transfer session when using multiple transfer threads if an error occurs in one of the underlying `ascp` processes. (WAT-1044)

Added command-line options to `asynccadmin` to display additional data in the `--file-info` output. (WAT-1038)

Added command-line options to configure the maximum number of threads to use when calculating the checksums of the files in the transfer set. (WAT-1037)

Added command-line option to `async` to enable and configure the path for the file transfer manifest text file. (WAT-1036)

Added command-line options to `asperasync` to generate a manifest and perform the conversion of the configured Hot Folders to Watch Folders. (WAT-996)

Record and display through the `async` API or `asynccadmin` the IDs of the underlying `ascp` transfer sessions started by `async`. (ES-2186)

The `--delete-before-transfer` option is now supported for downloads from object storage. (ATT-382)

## BREAKING CHANGES

If you are upgrading from a previous release, the following changes in this release might require you to adjust your workflow, configuration, or usage.

WAT-1053 - Deprecated the `access_control` Node API used to manage access to the watchfolders and `async` APIs. This API will be removed in a future version.

NODE-1363 - Default to TLSv1.2 exclusively for the Aspera services listening on HTTPS.

ES-2243 - On Windows, the updated `logback` won't work with the old `logback.xml` configuration files. To fix this, delete the `logback.xml` file in your user's temp directory `C:\Users\~\AppData\Roaming\Aspera\Enterprise Server\logback.xml` after closing `scapp` and before running the installer, or edit the existing `logback.xml` file and deduplicate the appender names.

## OTHER CHANGES

ES-2265 - Changed the name of the `askms` for the key to use to encrypt data within Redis to `redis-primary-key`.

ES-2241 - Changed the template configuration files for Redis and Sentinel to use `primary` for the HA configuration options and set name.

ES-2217 - On Windows Redis is now run as a standalone service.

## ISSUES FIXED IN THIS RELEASE

ATT-1592 - Fixed issue with `delay-adv` rate control module not working under specific condition.

ATT-1664 - Fixed issue with an `acp4` transfer that might freeze if the file being transferred is changing its size.

WAT-1080 - Fixed issue with mirror mode where directories in the destination are not retransferred after they are deleted on the destination.

WAT-1068 - Fixed issue with files moved in the destination when using mirror mode might be also moved in the source.

WAT-1062 - Fixed issue with *timestamps* for directories not being correctly preserved when using multiple `remote-fs-threads` in `async`.

WAT-1057 - Fixed issue with `asperawatchd` logging very frequently `DAEMON_CHECK_SUBSCRIPTION` messages.

WAT-1050 - Fixed issue with `async` sometimes having an invalid pending count when using resume mode that prevents it from finishing the `async` session.

ES-2246 - Fixed issue with email notifications not being sent in the GUI because of missing email templates.

ES-2233 - Fixed issue with email notifications sent by the GUI not working when the SMTP server requires TLSv1.2.

ES-2223 - Fixed issue with not being able to create email notifications because of missing email templates.

ES-1194 - Fixed issue with `asconfigurator` displaying the `!?!` characters for non-translated fields.

ATT-1701 - Fixed issue with a transfer rate value being reported for files that were not transferred.

ATT-1689 - Fixed issue with a transfer started by the Node API timing out when it starts because when there are a large amount of directories to transfer.

ATT-1677 - Fixed issue with Node API authentication failing for users with a password set containing a `:` character.

ATT-1673 - Fixed issue with a `ascp` receiver freezing in rare occasions when a disk read error occurs in the `ascp` sender.

ATT-1670 - Fixed issue with `lua` scripts failing to be loaded successfully sometimes in Windows.

## SYSTEM REQUIREMENTS

**Linux 64-bit:** RHEL 7-8. CentOS 7-8. Ubuntu 20.04 LTS. Ubuntu 18.04 LTS. Ubuntu 16.04 LTS. SUSE Linux Enterprise Server (SLES) 12. Debian 8+. Fedora 19+. Kernel 3.10 or higher and Glibc 2.17+.

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

**macOS:** 10.13 (High Sierra), 10.14 (Mojave), 10.15 (Catalina), macOS 11.0 and 11.1 (Big Sur).

**PowerLinux:** RHEL 7-8. CentOS 7-8. Ubuntu 20.04 LTS. Ubuntu 18.04 LTS. Ubuntu 16.04.2 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. SUSE Linux Enterprise Server (SLES) 12.

**AIX:** 7.1, 7.2, 7.3.

## **PRODUCT SUPPORT**

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