

# Release Notes: IBM Aspera HSTS 4.3.0

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Product Released: November 10, 2021  
Release Notes Updated: November 10, 2021

This release of IBM Aspera 4.3 release 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 may require you to adjust your workflow, configuration, or usage. Additional sections cover system requirements and known problems.

## NEW FEATURES

Added configuration options to packaged `nginx.conf` file that allows for rate limiting HTTPS requests to the Node API. (ES-2137)

RPM installers now have a signature that can be verified for authenticity. (ES-2163)

Added support for AIX 7.3 (ES-2168)

Added ability to read and write `async's` database file to and from object storage. (WAT-1023)

Node user add, remove and modify actions are now logged in log file. (NODE-1297)

The Node API can now manage `ascp` transfer sessions that were not initiated by the Node API. Node API `/ops/transfer/id` endpoint can be used to cancel transfers or change target rate. (NODE-1272)

Bearer tokens can now be used to authorize node users as well as access keys. (NODE-1259)

Added support for object storage to macOS and Windows using `libpvc1_cloud` which no longer requires `asperatrapd`. (NODE-1251)

Added feature to `preserve-acl` and `preserve-xattrs` to the Node API `/ops/transfers` endpoint. (NODE-1238)

Added ability to access web socket port through an HTTPS Proxy. (ATT-1565)

## BREAKING CHANGES

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

ES-2082 - The SOAP Web Services are deprecated and will be removed in a future release.

ES-2198 - The `external_storage_root aspera.conf` option is not longer supported. Deprecation was announced in the 4.2 release notes.

NODE-1333 - The file lock feature of the Node API is deprecated and will be removed from a future release.

ES-2197 - NTLM authentication for FASP Forward Proxy setup will be deprecated and no longer supported in a future release.

## DOCUMENTATION UPDATES

ES-1641 - Corrected port values and context to explain Bind UDP Port usage.

## ISSUES FIXED IN THIS RELEASE

ES-2126 - Fixed an error in `ascp` about incompatible ciphers when a destination directory did not exist.

ES-2138 - Installer on AIX will error if `LOGIN_NAME_MAX` is not long enough.

ES-2140 - Updated Redis to 6.2.5.

ES-2141 - Fixed issues with excessive logging by sudo commands run by the asperadaemon user.

ES-2143 - Updated curl to 7.78.0

ES-2144 - Updated libxml2 to 2.9.11

ES-2152 - Test connection button in GUI no longer calls or ping for HTTPS endpoints, it will only call or info to test the connection.

ES-2154 - Fixed issue with Windows installer not adding the Aspera Rund Service when OpenSSH was not installed.

ES-2165 - RPM installations will check for a sudo package before installing.

ES-2190 - Fixed issue in GUI where the **Connections** window could not be edited when there were NULL entries in one of the connections.

ES-2185 - Updated nginx startup script for systemd to use `After=network.online`.

WAT-1042 - Fixed issue with async running in continuous mirror mode where zero KB files were not handled properly. If a source zero KB file is removed, it will be removed from the destination. If a zero KB file is added to a destination it will be removed.

WAT-1040 - Fixed issue in Node API `/async/summary` endpoint where the transferred bytes and `cumulative_transferred_bytes` were not updated properly when using more than one transfer thread.

WAT-1028 - Fixed issue in watchfolder where it did not recognize query strings in a docroot configuration resulting in failures to access AWS S3 storage use assumed roles.

TRAP-272 - No longer logging errors about `clearInetAddressCache` in asperatrapd.

TRAP-271 - Fixed issue in asperatrapd with parsing date strings for certain locales.

NODE-1298 - Fixed issue where the root of an `access_key` could not be a symlink pointing to a folder.

NODE-1249 - Updated Redis to 5 on Windows platforms.

NODE-1243 - Sub-access keys or folder access keys can no longer obtain transfer data from the `/ops/transfer` endpoint for the parent access key.

NODE-1223 - Resolved issue where `xfer_retry` in submission to Node API `/ops/transfers` endpoint was ignored.

ATT-1657 - Fixed Windows error 10022 to be properly translated to a FASP error code to allow proper retry handling by Aspera Connect.

ATT-1655 - Fixed ascp4 issue where the permissions of the target of a symbolic link were mistakenly changed.

ATT-1641 - Fixed ascp to log and count source files that were missing when `--remove-after-transfer` was specified.

ATT-1638 - Updated OpenSSL to 1.0.2za

ATT-1615 - Improved ascp and ascp4 to ignore object storage files that are in glacier or cold storage format. A future update may allow the Node API to submit a request to retrieve the files from glacier or cold storage.

## 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 may 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.