

Release Notes: IBM Aspera High-Speed Transfer Server, High-Speed Transfer Endpoint, and Desktop Client, 4.4.5

Product released: October 28, 2024.

Release notes updated: November, 2024.

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

Aspera #106 - Added support for Linux on the ARM 64-bit architecture.

Aspera #2740 - Added support to configure TLS v1.3 as the minimum version enabled for TLS connections.

Aspera #2899 - Added new statistics to the Node API endpoint for async with metrics that are related to the source scan progress.

Aspera #2952 - Added support to specify a remote log location and debug level in async and ascp for transfers that use WebSockets or aspshe11.

Aspera #3129 - Added support to configure in `aspera.conf` a minimum version for ascp and async to allow transfers from.

Breaking changes

In this version, the Redis update might impact HA Redis cluster deployments bound to an external IP address. If authentication is not configured, Redis rejects connections to the external IP. Although configuring authentication is recommended for security, you can alternatively set `protected-mode no` in the Redis configuration if the IP addresses are accessible only by other cluster nodes.

Issues fixed in this release

Aspera #2371 - Fixed an issue where updating an access key with partial contents for the `'storage_class'` object can reset other keys that are previously set in the same object.

Aspera #2946 - Fixed an issue where the setting `'transfers_share_request'` is not observed in HSTS clusters.

Aspera #2965 - Fixed an issue where transfers might fail when using Object Storage if the object name contains special characters in the key name.

Aspera #2996 - Fixed an issue where a transfer that is submitted to the Node API `/ops/transfers` endpoint might stay in `'Waiting'` status indefinitely if the job times out before ascp starts.

Aspera #2997 - Fixed an issue where an ascp upload that uses `stdio-tar` might hang if any files that are in the file set is skipped.

Aspera #3028 - Fixed an issue where transferring a directory with a very large number of files can cause a crash in ascp.

Aspera #3032 - Fixed an issue that caused transfers using the trapd service to fail to start on Microsoft Windows.

Aspera #3095 - Fixed an issue where **Watchfolders** that uses multi-session might result in a transfer hanging.

Aspera #3107 - Fixed an issue where the information that was reported by the Node API for a transfer that uses HTTP Fallback mode can be incorrect and incomplete.

Aspera #3119 - Fixed an issue where a message "Invalid transport parameter" can be incorrectly logged in a **Watchfolder** in Pull mode.

Aspera #3134 - Fixed an issue where transferring a directory with a very large number of files can cause a crash in ascp.

Aspera #3137 - Fixed an issue where ascp4 transfers that use `--delete-before` on Microsoft Windows does not work as expected in some cases.

Aspera #3141 - Fixed an issue where files with the `.asp-meta` extension and other special extensions were not filtered by using the `/files/page` Node API endpoint.

Aspera #3145 - Fixed an issue where resuming very large files can cause UDP timeout errors and the transfer to fail.

Aspera #3251 - Improved the scan performance in `async` when running on Microsoft Windows that uses a UNC path as the source.

Aspera #3276 - Fixed an issue where the error message is unclear in `async` when using `--create-dir` and the directory fails to be created.

Aspera #3305 - Fixed an issue where transfers that use WebSockets as the transport fail to start through IBM Aspera Proxy configure in forward proxy mode.

Other changes

Aspera #2421 - The `aclean` tool was deprecated in HSTS/HSTE 4.4.4 and removed in the 4.4.5 release.

Aspera #2572 - The Hadoop Distributed File System (HDFS) was discontinued in HSTS/HSTE 4.4.4. Support and documentation were removed in the 4.4.5 release. An alternative workflow is available using IBM Aspera `faspio` Gateway.

Aspera #3217 - The DSA SSH keys that are bundled are deprecated and will be removed in a future version of the product.

System requirements

Linux 64-bit (x86_64): RHEL 8, 9. Ubuntu 22.04 LTS, 20.04 LTS, 18.04 LTS. SUSE Linux Enterprise Server (SLES) 15. Debian 11+. Rocky Linux 8, 9. Amazon Linux 2023. | Kernel 4.18 or higher and Glibc 2.28+.

zLinux (s390x): Linux on z Systems s390, 64-bit. RHEL 8, 9. SUSE Linux Enterprise Server (SLES) 15.

Linux ARM 64-bit (aarch64): RHEL 8, 9. Rocky 8, 9.

Windows 64-bit (x86_64): Windows Server 2016, 2019, 2022. **For client use only:** Windows 10, 11.

macOS: Monterey 12, Ventura 13, Sonora 14, Sequoia 15.

macOS ARMv8: Monterey 12, Ventura 13, Sonora 14, Sequoia 15.

PowerLinux: RHEL 8,9. Ubuntu 22.04 LTS, 20.04 LTS, 18.04 LTS. | Your OS version and IBM Power hardware must both support Little-Endian (LE) ordering. | Architecture: `ppc64-le`.

Build details

Linux 64-bit (x86_64): 4.4.5.1646-linux-64-release.

zLinux (s390x): 4.4.5.1646-linux-s390-release.

Linux ARM 64-bit (aarch64): 4.4.5.1646-linux-aarch64-release.

Windows 64-bit (x86_64): 4.4.5.1646-win-v143-64-release.

MacOS: 4.4.5.1646-mac-10.15-64-release.

macOS ARMv8: 4.4.5.1646-mac-11.0-armv8-release.

zLinux: 4.4.5.1646-linux-s390-release.

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.