

Release Notes: IBM Aspera High-Speed Transfer Server and High-Speed Transfer Endpoint, 4.0.1

Product Release: November 23, 2020
Release Notes Updated: November 20, 2020

This release of IBM Aspera High-Speed Transfer Server (HSTS) and High-Speed Transfer Endpoint (HSTE), provides a fix for the Aspera Node daemon (asperanoded). You should upgrade to this release if you find that you have multiple asperanoded processes running on your server.

Note: This release is provided for the supported Linux variants and macOS.

ISSUES FIXED IN THIS RELEASE

ATT-1448 - Fixed issue where multiple asperanoded processes were hanging. The hung processes resulted from forking a child process to be able to interact with the file system and that forked process hung on a system call that never returned.

SYSTEM REQUIREMENTS

Linux 64-bit: Ubuntu 14.04 LTS, 16.04 LTS, 17.10. RHEL 6-8. CentOS 7-8. SLES 11-12. Debian 7-9. Fedora 26-27. Kernel 2.4 or higher and Glibc 2.5+

PowerLinux: 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. Red Hat Enterprise Linux Server (RHEL) 6-7.3. SUSE Linux Enterprise Server (SLES) 11-12

macOS: OS X 10.11 (El Capitan), macOS 10.12 (Sierra), macOS 10.13 (High Sierra), macOS 10.14 (Mojave), macOS 10.15 (Catalina).

AIX: 7.1, 7.2.

KNOWN ISSUES

ES-1453 - The nft firewall on CentOS 8 causes problems with incoming udp data. You must set the a firewall rule similar to:

```
#nft insert rule inet firewallld filter_IN_public_allow position 67 udp dport 33001 accept
```

To allow incoming udp traffic on the default udp port 33001.

ES-1844 - The ScpGUI's demo.asperasoft.com server might have authentication issues. Use the password "demoaspera" if there is a problem connecting.

BREAKING CHANGES

The askmscli tool must be used to secure sensitive data in Watch Folder configuration. For information in this regard see the *Secrets Management with askmscli* section of the *IBM Aspera High-Speed Transfer Server Admin Guide* or the *IBM Aspera High-Speed Transfer Endpoint Admin Guide* for your platform (https://www.ibm.com/support/knowledgecenter/SSL85S_4.0/navigation/hsts_welcome.html).

Note: If you are upgrading from a release *prior to 4.0*, the following changes may require you to adjust your workflow, configuration, or usage:

- The following platforms are no longer supported:

- CentOS 6
- Isilon
- Solaris SPARC
- Solaris x86
- The HST Server Web UI (Connect Server) is no longer supported.
- Added feature to asperanoded to be able to recognize Redis sentinel commands for automatic failover in HA redis configurations.
- Use askms to secure sensitive data in watchfolder configuration.
- Fixed file reporting issue in ascp4, when source files have illegal characters like \ in the names, ascp4 will generate an appropriate error message to management to allow for integrated applications to be able to report on the file errors.
- Node API will return transfer ciphers with cfb or gcm depending on the cipher being used.
- On Windows OS as of 3.7.4, updates to the Cygwin OpenSSH implementation that is used by High-Speed Transfer Server and High-Speed Transfer Endpoint cause transfers to error when: - the OpenSSH service is run by an Active Directory domain user, and - the transfer user is a different Active Directory domain user who has a docroot on a CIFS or SMB share. In this case, the transfer user cannot use SSH key authentication for uploads or downloads because they do not get the proper credentials to access the mounted storage. Workaround: Open a command prompt as an administrator and run the following command: > C:\Program Files\Aspera\Enterprise Server\bin\passwd.exe -R domain\username Where domain is the Active Directory domain and username is the transfer user's username. Then add the transfer user as a Remote Desktop user. Additionally you may configure HTTPS session initialization which can access Windows Credential Manager to be able to login users and allow for access to SMB/CIFS mounts in their transfer sessions. (CIM-1239)
- watchfolder Redis configuration must be set in the aspera.conf and in the aspera_redis.31415 file in order to access redis databases hosted on different servers.
- The file pre- and post-processing script support has been deprecated. Support will be removed in a future release.
- ASPERA_SCP_PASSWORD environment variable will only be used as a ssh key passphrase if the -i (ssh key) argument is used with ascp. If there is no -i argument, the ASPERA_SCP_PASSWORD will only be used as the ssh user password.
- The alee-admin tool can now be run only as the root user (or with the sudo command).
- ascp uses a newer version of libssh2, which makes use of new ssh host keys. If you have host key checking enabled, you should update your aspera.conf to use the newer host key.

OTHER CHANGES

The "File Pre- and Post-Processing (Prepost)" feature is deprecated, and will be removed with a future release.

Streaming capabilities are only provided with the IBM Aspera Enterprise and IBM Aspera Endpoint products. Streaming is not provided with, or supported by, the HSTS and HSTE standalone products.

PREVIOUS RELEASE NOTES

For release note for earlier releases, see the [IBM Knowledge Center](#).

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.