

Release Notes: IBM Aspera Streaming for Video 3.8.0

Product Release: March 9, 2018

Release Notes Updated: November 25, 2019

This release of IBM Aspera Streaming for Video provides the following new features and fixes. 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.

Note: Some Aspera product names are in a transition phase. During the transition, Enterprise Server and Connect Server might also be referred to as "IBM Aspera High-Speed Transfer Server", Point-to-Point Client might also be referred to as "IBM Aspera High-Speed Transfer Endpoint", and IBM Aspera Shares and IBM Aspera Faspex might also be referred to as the bundled product "IBM Aspera High-Speed Sharing Server."

NEW FEATURES

- Multiple multicast streams can now concurrently transfer to the same multicast IP address (as long as the multicast port varies) or concurrently transfer to the same multicast port (as long as the multicast IP address varies). (CIM-770)
- Streaming for Video can now use TCP providers as a source or destination I/O in command line.
- Streaming for Video can now use UDP providers as a source or destination I/O in command line.
- A new parameter, `pkbatch`, can be used to control how UDP datagrams are read and written. By default, Streaming for Video now does a batch read and write of UDP datagrams. Disable the option to read and write one packet at a time.

BREAKING CHANGES

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

- Performance enhancements to `ascp4`, the executable that Streaming for Video uses, required changes that make version 3.8.0 unable to transfer with versions 3.7.4 and earlier. **Workaround:** Upgrade your Streaming for Video senders and receivers to 3.8.0 to ensure compatibility.

ISSUES FIXED IN THIS RELEASE

ATT-448 - You cannot transfer multiple multicast streams concurrently if they use the same multicast IP or the same multicast port. (CIM-770)

ATT-289 - UDP streaming can handle only a fixed datagram size and loses packets if the packets do not match the datagram size.

ATT-288 - [macOS] The `mcast` parameter `ifaddr` does not work.

SYSTEM REQUIREMENTS

- **Windows 64-bit:** Windows 7 with service pack 1, 8.1, 10, or Windows Server 2008 R2 with service pack 2, 2012 R2, 2016
- **Linux 64-bit:** Ubuntu 14.04 LTS, 16.04 LTS, 17.10; RHEL 6-7; CentOS 6-7; SLES 11-12; Debian 7-9; Fedora 26-27; Kernel 2.4 or higher and Glibc 2.5+
- **Mac:** OS X 10.11, macOS 10.12 (Sierra), 10.13 (High Sierra)

KNOWN ISSUES

ATT-186 - An `ascp4` multicast session does not fail if the multicast IP address and port is already in use on the receiver.

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.