

Release Notes: IBM Aspera Faspex 4.4.0

Product Release: December 20, 2019

Release Notes Updated: December 21, 2019

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

NEW FEATURES

HTTP Gateway

- When sending a new package, users can choose whether to send with Connect or with HTTP Gateway (if HTTP Gateway is enabled). (CIM-2575)
- Faspex leverages the HTTP Gateway Javascript SDK to interact with HTTP Gateway.
- HTTP Gateway no longer has a files-per-package limit on uploads. ()
- You can use the HTTP Gateway service to make transfers in Faspex by providing Faspex with the URL to your HTTP Gateway server (**Server > Transfer Options**). (CIM-1875)
- HTTP Gateway no longer has a file-size limit for transfers. ()

Dutch and French Localization

- Localization for external users pages
- Faspex is now in Dutch and French.

File Name Obfuscation

- You can now enable file name obfuscation in Faspex (**Server > Security**). File name obfuscation when transferring through Connect requires Connect version 3.9.8 or higher. (CIM-1864)

Transfers

- When sending a package, users can choose to prevent recipients from using HTTP (HTTP fallback or HTTP Gateway) to download the package. The recipient must use Connect to download the package. ()

Dropbox Settings

- When inviting a user to submit to a dropbox, you can choose whether to disable encryption at rest. (FEAT-279)

Email Notifications

- When sending a package, you can choose to use only the sender's email address (without the Faspex user account name) listed in the "From:" field in notification emails. (CIM-1937)

Web UI

- The dropbox name field should be limited to 128 characters, to match the error message Faspex displays when the name is too long. (CIM-1801)

API

- Added pagination support to the Faspex API. (CIM-2554)
- Added the ability to get package info from Faspex post-processing environment variables to the API. (CIM-2498)

System

- When setting up alternate addresses, alternate addresses can be now be > 255 characters. (CIM-2482)
- Upgraded StatsCollector to adopt OpenJDK v11.
- Upgraded Apache to 2.4.41.

- Faspex now packages ACM.
- New version of `asctl` bundled with Faspex rotates logs every 1MB. (CIM-500)

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.

- New **Enable out-of-transfer file validation** configuration option determines whether Faspex reports file validation statuses set by IBM Aspera Validator. You must enable this feature to leverage file validation in Faspex. This option is disabled by default.
- If you had the HTTP Gateway [BETA] installed and want to use HTTP Gateway version 2.0 and later with Faspex, remove `/opt/aspera/httpgateway` folder from Faspex after upgrade.
- You must upgrade Connect to 3.9.0 and later for uninterrupted Connect availability. Take immediate action on the following:
 - End users should upgrade to Connect 3.9.6.
 - Administrators should configure Faspex to use Connect 3.9.6 by updating the minimum Connect version requirement.
 - Web developers should integrate Connect SDK 3.9.6 in their web applications.

For more information on changes introduced with Connect 3.9, see [Connect 3.9.6 Release Notes](#) and previous release notes.

- Faspex minimal Connect version is set to 3.9.0.

DOCUMENTATION UPDATES

Documentation is missing the command to generate the Certificate Signing Request. (CIM-2835)

Fixed error in documentation for *Partition Mongrel Processes between Faspex and Cargo*. (CIM-2106)

ISSUES FIXED IN THIS RELEASE

FASPX-1600 - Stats Collector service `purgestats.age` property needs to be 30d by default.

FASPX-1597 - The `statscollector.properties` is overwritten during the upgrade process.

FASPX-1594 - Faspex encounters high CPU issues when the `fasp_sessions` grows too large. (CIM-2932)

FASPX-1535 - Package upload fails from Faspex Mobile for Android.

FASPX-1492 - After packages are downloaded settings are different when sending a package using the API versus when sending a package using the browser. (CIM-2827)

FASPX-1462 - Forwarding a package to a workgroup that has a post-processing script associated with it triggers the script twice. The post-processing log shows the entry twice. (CIM-2844)

FASPX-1456 - Faspex services cannot be individually configured with `systemctl` (CIM-2830)

FASPX-1443 - The `aspera_faspex_np_background` service runs as `root` instead of as the Faspex user. (CIM-2806)

FASPX-1420 - Not able to transfer file with cloud referencing enabled in ATS

FASPX-1416 - Instructions to add a node missing commands for setting token encryption key. (CIM-2799)

FASPX-1399 - Adding an ATS node fails with the error: `Blob container is too long (maximum is 255 characters)`

FASPX-1392 - The File Storage page does not display the file storage Source state (Public, Private or Limited).

FASPX-1390 - After adding an incorrectly-configured node, the node status changes to "DISABLED" and cannot be changed, even after removing the node, configuring it correctly, and re-adding it to Faspex.

FASPX-1363 - Files that failed validation are downloadable when **Enable downloads during transfers** option (**Server->Configuration->Transfer Option**) is enabled.

FASPX-1339 - RecipientShareIds not honored when packages are retrieved with the inbox watcher. (CIM-2721)

FASPX-1338 - MySQL oauth_tokens table needs indexing. (CIM-2709)

FASPX-1262 - Faspex does not include HTTP fallback in the transfer if the cipher is set to any value except any or aes-128. (CIM-2656)

FASPX-1216 - Transfers of folders with a space at the end of the folder name fail with "No such file or directory" error. (CIM-2559)

FASPX-1158 - After upgrade, mysqld_error.log grows continuously.

FASPX-1139 - Locked users should still receive packages. (CIM-2433)

FASPX-1052 - Prevent Concurrent Login in Faspex not working properly (CIM-2207)

FASPX-1023 - Stats collector logs not found in default /opt/aspera/faspex/log location. (CIM-2141)

FASPX-1019 - Using the API to send a package without a note fails with a 500 error. (CIM-2143)

FASPX-1007 - Relayed packages are not downloaded from the correct location.

FASPX-1006 - Package files count and package size is set to 0 when a package is deleted. (CIM-2159)

FASPX-985 - Filters for the Faspex v4 API /api/users are not working. (CIM-2109)

FASPX-976 - Faspex email notification reveals the full path of files. (CIM-2099)

FASPX-959 - Added AWS to supported cloud providers for cloud referencing. (CIM-2078)

FASPX-890 - The **Allowed IP addresses for login setting does not working behind a Nginx reverse proxy.** (CIM-1647)

FASPX-847 - When Faspex uses a node running High-Speed Transfer Server version 3.8.0, if a package is created from a remote source with "enable linking" selected and the package is a symbolic link, then the package size that is reported is the size of the symbolic link, not the symbolic link's target. (CIM-1267)

FASPX-818 - Users cannot distinguish dropbox names in the **New Package** drop-down menu when dropbox names are very long. (CIM-1735)

FASPX-779 - HTTP Gateway crashes if a user uploads 10 files that have a total size > 1 GB.

FASPX-777 - Files with Unicode characters in their filenames uploaded using HTTP gateway are corrupted on download and are 0 KB.

FASPX-635 - When a user downloads a package with two or more files using the HTTP Gateway service, Faspex reports the package as partially downloaded. If package storage expiration options relying on package download confirmation were enabled for the package, Faspex does not count the partial download as download confirmation and will not delete the files. Workaround: Delete packages manually after all users or any user downloads the package.

SYSTEM REQUIREMENTS

IBM Aspera High-Speed Transfer Server: 3.7.0-3.9.3 with Connect Server license

IBM Aspera Common Components: 1.1.32

IBM Aspera Connect: 3.9.0-3.9.8

Note: To use the file obfuscation feature with Connect, users must be using Connect 3.9.8 and later. (Obfuscation works also with remote sources and HTTP Gateway)

Hardware:

CPU: 4x 2-GHz CPU cores

Memory: 8 GB RAM

Hard Drive: SSD hard drive or high-speed disks (15K RPM)

Disk Space: 10 GB

Components:

Apache Version: 2.4.41

Apache SSL Version: 1.0.2t (Linux); 1.1.1b (Windows)

asctl Version: 2.1

Connect SDK Version: 3.9.7.175481

Mongrels Version: 1.2.0.pre2

MySQL Version: 5.7.27 with `@global.sql_mode` and `@session.sql_mode` set to

`STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_AUTO_CREATE`

Rails Version: 2.3.18

Ruby Version: 1.9.3

Ruby SSL Version: 1.0.2t

Linux: RedHat 6-7, CentOS 6-7, SLES 11.4, 12.3, 15

Browsers: Microsoft Edge 18, Firefox 71, Safari 13, Google Chrome 78, Internet Explorer 13 (not supported by HTTP Gateway)

(Faspex users can successfully access Faspex from any of these browsers on any OS, as long as the browser and OS are also supported by Connect and HTTP Gateway)

KNOWN ISSUES

Transfers

- FASPX-1614 - Upload fails when user changes the upload method after already selecting files.
- FASPX-1225 - If a Faspex transfer user has the `symbolic_links` options set to `follow` instead of `create`, Faspex creates an empty package marks the transfer as completed instead of giving an error. (CIM-2581)
- FASPX-964 - Faspex cannot parse the metadata in a package sent with the Aspera CLI. (CIM-1963) (CIM-2084)
- FASPX-831 - Faspex errors are not clear when Faspex fails to start transfer because HTTP fallback is not enabled on the node. (CIM-1780)
- FASPX-352 - Faspex transfers cannot be resumed if the Connect Plug-In is closed and relaunched, even after restarting the web page and the Connect Plug-In. (CIM-632) (CIM-632)

User Accounts

- FASPX-942 - Faspex creates new account when AD user login id, email, or name changes instead of updating existing Faspex account. (CIM-2050)

Email Notifications

- FASPX-983 - In specific cases, handling Stats Collector exceptions prevents Faspex from updating transfers in tables and from sending email notifications about those transfers. **Workaround:** *See Troubleshooting Faspex: Resetting Stats Collector Database.* (CIM-2075)
- FASPX-872 - Package deletion should not impact email notifications and post processing. (CIM-1913)

SAML

- FASPX-1189 - When a SAML user logs into Faspex and the user's attributes have changed, Faspex does not update the `cached_slug`, `notify_on_download_names`, and `notify_on_upload_names` in the Faspex database. (CIM-2521)
- FASPX-1078 - External users converted to SAML users do not inherit SAML group settings. (CIM-2263)

Relays

- FASPX-940 - Faspex does not support setting multiple shares per user defined in `RecipientShareIDs` metadata. (CIM-2035)
- FASPX-893 - Retrying a relay re-transfers files. (CIM-1925)

Web UI

- FASPX-832 - The Received Packages page UI cannot handle very long titles. (CIM-1779)

Mobile

- FASPX-1038 - Faspex directs users using a mobile web browser to open the Faspex Mobile app. (CIM-2172)

API

- FASPX-1029 - When using the API, users cannot create a package with "..." in the title.
- FASPX-1022 - Faspex user accounts are locked due to inactivity, even though the user account is used for Faspex v4 API calls. (CIM-2113)

System

- FASPX-981 - Faspex should ignore records that do not match the requirements of the Faspex database and continue to poll a node for records. (CIM-2022)
- FASPX-375 - SUSE 11 UI installation for Faspex and Common fails when using the UI to install. **Workaround:** Install using the command line and the `rpm -Uvh` command.

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.