FASPEX 4.4.1 PATCH Level 12

Operating Systems: Linux
Date: 05/11/2022

This patch includes the following fixes:

Patch Level 12 Fixes

Jira Issue	Description
FASPX-2081	Faspex download vulnerability

Patch Level 11 Fixes

Jira Issue	Description
FASPX-2060	aspera-stats-collector-init.sh missing reference to stats-collector-7.0.0.202.jar

Patch Level 10 Fixes

Jira Issue	Description
FASPX-2038	TS007876577 Approve and Deny buttons in the drop down list are swapped.

Patch Level 9 Fixes

Jira Issue	Description
FASPX-1767	Blank UserFieldsInTags Breaks Download.

Patch Level 8 Fixes

Jira Issue	Description
FASPX-2018	Updated HA setup instructions to direct customers to share `/opt/aspera/faspex/app/views/notifier/` via shared storage.
FASPX-2016	You can now set `multi_session` to 0 to disable multi session upload and download.
FASPX-2007	Fixed an issue where the `remote_host` property in a session defaulted to `nil` instead of to an empty string.
FASPX-2003	Fixed an issue where Stats Collector did not properly handle null values resulting in 'Upload never started' error.
FASPX-1944	Upgraded ACM version from 1.98 to 2.00.

Jira Issue	Description
FASPX-1908	Fixed an issue where users were not able to set minimum Connect version to 3.10.0.

ACM Upgrade

After installing the patch, verify that the `/opt/aspera/acm` folder has the correct permissions. Faspex requires these permissions:

```
ls -lR /opt/aspera/acm/
# /opt/aspera/acm/:
# total 0
# drwxrwx--- 2 root root 80 bin
# drwxrwxr-x 2 root root 26 config
# drwxrwx--- 2 root root  6 log
# drwxrwxr-x 2 root root 24 run
# /opt/aspera/acm/bin:
# total 188
# -rwxr-x--- 1 root root   15779 acm
# -rw-r--r-- 1 root root   1038 acmcommon
# -rwxr-x--- 1 root root   9596 acmctl
# -rwxr-x--- 1 root root 147936 aslockfile
# -rwxr-x--- 1 root root   6239 drsync
# /opt/aspera/acm/config:
# total 4
# -rw------- 1 faspex faspex 146 database.yml
# /opt/aspera/acm/log:
# total 0 |
# /opt/aspera/acm/run:
# total 4
# -rw-r--r-- 1 root root 30 acm.status
```

Patch Level 7 Fixes

Jira Issue	Description
FASPX-1992	When HTTP Gateway is enabled, the Connect installer sometimes prompts external users multiple times to use Connect.
FASPX-1966	The Connect 3.10.0 installer does not allow switching to the HTTP-Gateway experience in some cases.
FASPX-1939	Users authenticating through the API are locked out of their accounts before reaching the max number of failed attempts to log in.
FASPX-1909	When using a custom URI namespace, Faspex uses the wrong URI namespace for disabling Connect, preventing end users from disabling Connect to use HTTP Gateway.
FASPX-1845	Faspex does not sanitize parameters in the external delivery URLs.
FASPX-1836	A downloaded, forwarded package incorrectly includes the original package metadata instead of package metadata for the forwarded package.

Notes related to Connect 3.10 and HTTP Gateway:

Aspera highly recommends customers upgrade their Connect SDK version to 3.11 for fixes related to the HTTP Gateway experience:

1. Download the SDK here
2. On your Faspex server, create this folder (if it doesn't exist already): `/opt/aspera/faspex/public/connect`
3. Extract the Connect SDK to the `connect` folder.

```
# unzip ConnectSdk.zip -d /opt/aspera/faspex/public/connect
```

4. Give Faspex permissions and ownership of the new Connect directory.

```
# chown -R faspex:faspex /opt/aspera/faspex/public/connect
# chmod -R 755 /opt/aspera/faspex/public/connect
```

5. In the Faspex UI, go to **Server > Configuration > Transfer Options** and select **Locally host Connect**.

Patch Level 6 Fixes

Jira Issue	Description
FASPX-1893	External users are still able to upload using HTTP even if the invitation is set to `Prevent HTTP upload for this package`.
FASPX-1874	Relays fail when tag size set via `MaxTagsLength` is too small.
FASPX-1869	The jQuery version does not include the latest security benefits.
FASPX-1854	Email addresses set as a CC recipient of a package also receive a copy of each email sent to each package recipient.

Patch Level 5 Fixes

Jira Issue	Description
FASPX-1818	The `/users` API endpoint returns 500 instead of 404 when Faspex cannot find a user and no paging variable is provided.
FASPX-1815	Faspex does not notify relay recipients when a relay is requested but no transfer is needed because the package already exists at the destination.
FASPX-1808	Column in relays page table does not show `Completed Relays`.
FASPX-996	Successful relays remain on the relays page.

Patch Level 4 Fixes

Jira Issue	Description
FASPX-1802	Some Faspex relays fail with a MySQL error.
FASPX-1801	Faspex duplicates transfers when forwarding a package to a work group with a custom inbox.
FASPX-1800	The `/users` API endpoint performs poorly with a large number of users.
FASPX-1799	Using the API to request a transfer specification for package downloads triggers package recalculation.
FASPX-1797	There is a typo in the error message Faspex displays when a directory user tries to change the account password.
FASPX-1702	When using Faspex with a language other than English, Faspex errors when performing actions on the **Accounts** tab in the UI.

Patch Level 3 Fixes

Jira Issue	Description
FASPX-1789	Dropbox invitations do not allow users to apply EAR when dropbox or global settings are set to **optional**. Read the notes below to check if your situation requires follow-up actions.
FASPX-1783	The pagination for `/api/users` returns 404 instead of an empty array when `page_num` exceeds page count.

Notes related to FASPX-1789:

THE PROBLEM

Faspex 4.4 introduced the ability to configure, on a per-invitation basis, whether invited submitters are required to upload using encryption-at-rest (EAR). This per-invitation setting overrules dropbox and global settings. Users configure this setting when creating a new invitation.

Upgrading to Faspex 4.4 sets the EAR requirement of pre-existing invitation to the default of **no**. Since EAR settings are only configurable when creating an invitation, pre-existing invitations do not allow submitters to use EAR when the dropbox or global settings are **optional**.

PATCH BEHAVIOR

Applying Patch Level 3 changes the default EAR requirement from **no** to unset. The patch also updates all invitations with EAR requirements set to **no** to inherit settings from the dropbox or global level by leaving the setting unset. Invitations with EAR requirements set to **yes** or **optional** are unaffected. When dropbox or global settings are **optional**, new invitations follow the EAR requirement set when the invitation was created. Otherwise, invitations follow relevant dropbox and global settings.

THE FIX

Upgrade to 4.4.1 and apply Patch Level 3 for a full fix.

IMPORTANT: The patch cannot differentiate whether pre-existing invitations with EAR requirements set to **no** were defaulted to **no** from the upgrade to Faspex 4.4 or intentionally set to **no** by a user. If you have invitations that must be set to **no**, you must reissue those invitations.

Patch Level 2 Fixes

Jira Issue	Description
FASPX-1779	Faspex URLs generated using Inbox.Atom use final source share directory instead of the storage share directory.
FASPX-1778	Not able to update Faspex package via API after package send.
FASPX-1783	The pagination for `/api/users` endpoint does not return the correct results when the `page_num` value exceeds the page count.

Patch Level 1 Fixes

Jira Issue	Description
FASPX-1773	Stats Collector logs show unnecessary information.
FASPX-1772	Creating users using the /user endpoint requires true and false Boolean values for can_send_normal_packages, can_send_to_external_email, andcan_send_to_all_faspex_users fields.
FASPX-1770	User created using the SDK does not inherit server default settings.
FASPX-1388	Implemented NoMgmtPortFiles in SOAP payload for remote source transfers.

See the included API reference included in the patch folder (open
IBM_Aspera_Faspex_4.4.1_PL11_api_reference/index.html in your browser).

PATCH INSTRUCTIONS

Applying the patch for Linux systems:

1. Download the patch file (IBM_Aspera_Faspex_4.4.1_Linux_Patch_Level_11.zip) and unzip it.

2. Make sure to back-up all the files in the faspex folder (/opt/aspera/faspex/).

3. Run the following command to replace existing files with patch files:

```
$ /bin/cp -r patch_path/ IBM_Aspera_Faspex_4.4.1_Linux_Windows_Patch_Level_11/* /opt/aspera/faspex/
```

4. Change ownership of the /opt/aspera/faspex folder to the faspex group and faspex user:

```
cd /opt/aspera/faspex
chown -R faspex:faspex *
```

5. Restart Faspex service:

```
asctl faspex:restart
```

6. Run the following command to get updated database schema: (Note: Not required if you are applying PL4 patch on top of PL3 patch)

```
asctl faspex:migrate_database
```

6. Confirm the patch was applied by checking the patch level listed in the footer (beneath the version number).