

**IMPORTANT NOTE:** This patch is intended only for Faspex version 4.4.2.

**IMPORTANT NOTE:** If you think your environment has been compromised, contact IBM Aspera support before applying the security fixes included in this patch.

## FASPEX 4.4.2 PATCH Level 3

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**Operating Systems:** Windows

**Date:** 03/15/2023

This patch includes the following fixes:

### Patch Level 3 Fixes

GitHub Issue	Description
Aspera/faspex4#446	Return the <code>X-IBM-Aspera</code> HTTP header to show the server's current running version
Aspera/faspex4#445	Added a new rake task <code>asctl faspex:rake aspera:renew_secrets</code> to renew secrets and update relevant passwords in one command
Aspera/faspex4#443	Read request parameters as the correct data type
Aspera/faspex4#440	Enhance XML validation for endpoints that accept requests in XML format
Aspera/faspex4#439	Stop treating requests in XML format as request parameters

### Patch Level 2 Fixes

Jira Issue	Description
FASPX-2054	JQuery-UI: Using now jquery-ui v. 1.13.2
FASPX-2100	YAML: Pre-auth RCE(Remote code execution) in /package_relay/relay_package due to insecure YAML deserialization has been suppressed
FASPX-2104	XSS: Restrict render type to avoid to insecure rendering
FASPX-2087	Apache: Using apache 2.4.54 now
FASPX-2095	OpenSSL: Using openssl 1.1.1s now
FASPX-2096	Zlib: Using zlib 1.2.13 now

### Patch Level 1 Fixes

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Jira Issue	Description
FASPX-2092	Clickjacking: CSP frame-ancestors missing

## PATCH INSTRUCTIONS

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### Pre-requisite

1. Confirm the Faspex version you have currently installed. You must be on Faspex: 4.4.2.185316 to apply this patch.

```
```$ asctl faspex:version```
```

### Applying the patch for Windows systems:

1. Download the patch file ( `IBM_Aspira_Faspex_4.4.2_Windows_Patch_Level_3.zip` ) and unzip it.
2. Make sure to back up all the files in the Common folder ( `C:\Program Files (x86)\Common Files\Aspera\Common` ) and Faspex folder ( `C:\Program Files (x86)\Aspera\Faspex\` ).
3. Stop Faspex services:
  - a. Go to **Control Panel > Administrative Tools > Services**.
  - b. For every service with **IBM Aspera Faspex** in the name, right-click on the service and select **Stop** from the drop-down menu. (Include the **Apache** and **MySQL** services)
4. Replace existing files by copying patch files to the appropriate directories in Common folder ( `C:\Program Files (x86)\Common Files\Aspera\Common` ) and the Faspex folder ( `C:\Program Files (x86)\Aspera\Faspex` ).
5. Start MySQL service:
  - a. Go to **Control Panel > Administrative Tools > Services**.
  - b. Right-click on the **MySQL** service and select **Start** from the drop-down menu.
6. Run the following command to start Apache:

Open **cmd** and run this command

```
asctl apache:setup
```

7. Run the following command to upgrade Apache:

Open **cmd** and run this command

```
asctl apache:upgrade
```

8. Run the following command to get updated database schema:

```
asctl faspex:migrate_database
```

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

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