Release Notes: IBM Aspera Console 3.4.2

Product Released: September 2, 2021
Release Notes Updated: September 2, 2021

This release of IBM Aspera Console 3.4.2 provides the new features, fixes, and other changes listed below.

NEW FEATURES

Upgraded jQuery to version 3.5.1. (AC-1038)

Upgraded to Apache 2.4.48. (AC-1108)

Upgraded to OpenSSL to 1.0.2y. (AC-1107)

Added support for CentOS 8 and RHEL 8. (AC-1105)

DOCUMENTATION UPDATES

AC-1152 - Documented different behavior of the "Specify base for source path" option if multiple files and folders are selected for the source and the destination node is a Shares endpoint.

AC-1100 - Documented upgrade steps for when the MySQL database is hosted on another server.

AC-1095 - Documented the need to escape special characters when setting a password for the Node API password.

ISSUES FIXED IN THIS RELEASE

AC-1030 - Users cannot change the transfer policy of an active transfer to high.

AC-1097 - Console users cannot change the SSH port of a watch folder from a local node to ATS created in Console.

AC-720 - A number of Console log and CSS files are world-writable.

AC-623 - Editing and saving a basic report that has been periodically scheduled results in a 500 error.

SYSTEM REQUIREMENTS

⚠️ **Warning:** Due to incompatible common components, do not install Console and IBM Aspera Faspex on the same machine. IBM Aspera does not support this combination.

IBM Aspera Common Components 1.6.0

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

Embedded Components:
Apache Version: 2.4.48
Apache SSL Version: 1.0.2y (Linux); 1.1.1c (Windows)
`asctl`: 2.0.3
Mongrels Version: 1.1.5
MySQL Version: 5.1.54.0
Rails Version: 2.3.5

Ruby Version: 1.8.7
Ruby SSL Version: 1.0.1u

64-bit Linux: RHEL 7-8, CentOS 7-8, SUSE 12

64-bit Windows: 2012, 2016, 2019
Browsers: Firefox 90, Chrome 92, Safari 14.1, Edge 92
(Console users can successfully access Console from any of these browsers on any OS, as long as the browser and OS are also supported by Connect)

KNOWN ISSUES

API

- AC-1098 - The POST call to create an endpoint does not set a default value for the required `endpoint_type` field. **Workaround**: Set the `endpoint_type` field to SSH, NodeAPI, or AccessKey, defaulting to SSH unless specifically using the other options.
- AC-950 - When a transfer is stalled, the API continues to return a value in `last_calculated_rate_bps`. As a result, Console reports the transfer status as running and continues to update the charts.

Reporting

- AC-971 - Console does not display the full cipher string used by **ascp**, because HSTS truncates the cipher string after five characters.
- AC-933 - Console HTTP Gateway upload progress is incorrect when sending more than one file, because **ascp** is not yet able initially to report the total session size (bytes and files) when using the `stdio-tar` named pipe as a source.

Nodes

- AC-800 - When making transfers with an endpoint, Console uses the node user from associated node instead of the node user from the endpoint. If the two node user's have different docroots, the transfer fails. **Workaround:** Set the same docroot for both node users. (CIM-2347)
- AC-656 - Console times out when browsing a node with 50,000+ files. (CIM-1484)
- AC-618 - When addinbg an SSH endpoint to a node in a failover group, Console replicates the endpoint to the other nodes in the failover group, but doesn't set the endpoint type to SSH. Transfers using the incompletely replicated endpoint fail. **Workaround:** Edit the incompletely replicated endpoints and set the type to SSH. (CIM-1211)
- AC-494 - Console cannot display account information for Windows managed nodes if the username contains a space, returning the error "undefined method 'downcase' for nil:NilClass". (CIM-589)

Transfers

- AC-1002 - When users select multiple files and folders as the source of a transfer and the destination node is a Shares endpoint, Console transfers ignore the `Specify base for source path` option.
- AC-770 - Console cannot send reports to email addresses with domain names of 4 or more characters (for example, `.media`). (CIM-2129)
- AC-653 - Console-initiated ATS transfers run twice. (CIM-1465)
- AC-561 - Console does not support the `--exclude-newer-than=MTIME` and `--exclude-older-than=MTIME` **ascp** options.
- AC-511 - Console fails to create personal login for smart transfer to ATCM cluster with an invalid destination error. (CIM-820)
- AC-509 - Console reports "Unable to save smart Transfer Address is Invalid" when attempting to create smart transfers with addresses that end in `.systems`. (CIM-811)

UI

- AC-785 - Choosing a job from the Sync page (**Activity > Sync**) gives a 500 error. (CIM-2262)

- AC-526 - The Sync Jobs page does not sort by **Status** or by **Remote Node**. (CIM-888)

Watch Folders

- AC-725 - Modifying a Watch Folder through console resets the timeout value to the default. (CIM-2006)
- AC-483 - When creating a Watchfolder on a local node that has only Node API credentials, adding a new folder fails with a timeout error.

Reporting

- AC-903 - Switching daylight savings settings wrongly schedules a report to be run thousands of times. (CIM-2864)
- AC-792 - Console reports a completed transfer as "Inactive". (CIM-2237)
- AC-790 - Console reports error out when working with databases that are 100 GB and larger. (CIM-2251)
- AC-789 - Console generates empty reports for unmanaged nodes using hostnames instead of IP addresses. **Workaround:** Configure unmanaged nodes to use IP addresses. (CIM-2268)
- AC-787 - Console uses the wrong dates and times when running a reporting on "last month". (CIM-2246)
- AC-672 - Console reports don't contain File Size or Bandwidth usage data for ATS transfers. (CIM-1593)
- AC-548 - The source directory is missing from Console monitoring and reporting if the **ascp** version is different between the client and server. (CIM-792)
- AC-468 - When running a Report with Report on set to last week, the query is run for the correct time frame but the Report Period End displayed in the report title is incorrect. (CIM-498)

Security

- AC-938 - [Linux] The MySQL packaged with the Aspera Common Components does not encrypt the MySQL database password. (CIM-2898)

System

- AC-858 - When installing or upgrading Console, it is not possible to bind Apache on an address other than `0.0.0.0`. **Workaround**: Perform the installation or upgrade with `0.0.0.0` as the Apache bind address. Then, manually change the bind address in the `ashttpd.conf` file and the `httpd_template_linux.conf` and `httpd_template_windows.conf` template files. You can find those files at:

  - Linux: `/opt/aspera/common/apache/conf`
  - Windows: `C:\Program Files\Common Files\Aspera\Common\apache\conf`

  (CIM-2725)
- AC-821 - Console 500 error when attempting to delete node accounts in Console needs to clarify that the SSH user needs to be given write-permissions to `aspera.conf` (CIM-2530)
- AC-782 - In some cases, Console throws a 500 error with a `Data too long for column` error. (CIM-2204)
- AC-667 - Console can't import files from Aspera on Cloud, though session info is imported. (CIM-1520)
- AC-663 - Console prints in `start_faspex_on_boot` in `/var/log/messages`. (CIM-1424)
- AC-619 - Windows `my.cnf` file does not correctly load the `my-custom.cnf` because the file requires a full path. **Workaround:** Edit the file and change the line to:

  ```
  !include C:/Program Files (x86)/Common Files/Aspera/Common/mysql/my-custom.cnf
  ```

  (CIM-1212)
- AC-615 - Apache allows public access to the `.htaccess` file from a URL. (CIM-1177)
- AC-611 - [Windows] Installing or upgrading Console does not preserve the custom `my.cnf` file that controls MySQL settings. (CIM-1149)

Documentation

- AC-624 - Documentation on endpoint needs clarification, especially for ATS endpoints. (CIM-1230)

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.