Release Notes: IBM Aspera Console 3.4.1

Product Release: March 26, 2020
Release Notes Updated: March 30, 2020

This release of IBM Aspera Console 3.4.1 provides the new features, fixes, and other changes listed below.

NEW FEATURES

API

- Added a new API endpoint to change the Node API credentials Console uses to connect to a node. (CIM-2832)
- Added a new API endpoint to change the credentials Console uses to connect to the SMTP server Console uses to send email notifications. (CIM-2833)
- You can now use the API to configure Console to send transfer notification emails to multiple email addresses.
- You can now use the API to add tags to Console-initiated transfers.
- You can now use the API to add file attributes to Console-initiated transfers.

SAML

- Users automatically provisioned on first, SAML login now default to the Console server time zone instead of the default UTC timezone.
- Console now supports SAML groups. (CIM-2968)

DOCUMENTATION UPDATES

Clarified documentation on what information email recipients see.

Added instructions to stop the Console service on nodes running RHEL / CentOS 7 or later. (CIM-2796)

ISSUES FIXED IN THIS RELEASE

AC-985 - Even when not using group information from the IdP, Console errors because it requires the `member_of` attribute in the SAML assertion.

AC-984 - Console cannot edit Watch Folders created with HSTS versions 3.8 and before, if authenticating to the HSTS node using the SSH with key authentication type (**SSH Key** option).

AC-972 - Bandwidth diagrams display incorrect lines. (CIM-3048)

AC-968 - Error when sending SMTP test email due to cached values.

AC-967 - Dashboard upload chart does not show some transfers.

AC-965 - When creating a vlink through Console, Console puts `capacity=<num>` in aspera.conf when the correct syntax is `<num>`.

AC-944 - Cannot place an unmanaged node on the map.

AC-943 - When one transfer completes and another transfer is about to start, charts go blank and do not refresh.

AC-940 - Console dashboard charts eventually hang and throw a JavaScript error.

AC-921 - Cannot browse a node using an endpoint Console creates when a cluster fails over from other nodes.

AC-912 - The **Use secure DNAT** Fasp Proxy option is not visible from the Smart Transfer configuration page.

AC-732 - The Console Rest API allows using smart transfers to send an entire source directory, but not specific files or a list of files from the source directory. (CIM-2031)

AC-684 - Console API documentation does not specify that the SimpleTransferSubmit API endpoint uses `Node_API` as the default `endpoint_type` parameter. Users unaware of this default and trying to transfer with SSH see transfers fail with `node api unreachable` error. (CIM-1670)

AC-678 - Console API does not block wrong or incomplete requests, preventing subsequent requests from processing correctly. (CIM-1648)

AC-556 - Console does not decode filenames if the full path is an URI. (CIM-1002)

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 1.2.27

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: 2.4.41
Apache SSL Version: 1.0.2t (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: Red Hat 6-7, CentOS 6-7, SUSE 11-12

64-bit Windows: 2008r2 Server, 2012, 2016, 2019
Browsers: Firefox 71, Chrome 78, Safari 13, Edge 42
(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-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-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)
- AC-720 - A number of Console log and CSS files are world-writable. (CIM-1995)

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.