StreamSets Control Hub On-Premises
3.13.0 Release Notes

October 29, 2019

We’re happy to announce a new version of StreamSets Control Hub On-Premises. This version contains several new features, enhancements, and some important bug fixes.

This document contains important information about the following topics for this release:

- New Features in Version 3.13.x
- Upgrading to Version 3.13.x
- Fixed Issues in Version 3.13.0
- Known Issues in Version 3.13.x

New Features in Version 3.13.x

This version includes the following new features and enhancements:

Data Protector

- **Classification preview** - You can now preview how StreamSets and custom classification rules classify data. You can use the default JSON test data or supply your own test data for the preview.
  
  This is a Technology Preview feature that is meant for development and testing only.

- **Pipeline preview with policy selection** - When you preview pipeline data, you can now configure the read and write protection policies to use during the preview.
  
  This is a Technology Preview feature that is meant for development and testing only.

- **Cluster mode support** - Data Protector now supports protecting data in cluster mode pipelines.

- **Encryption protection method** - You can now use the Encryption protection method to encrypt sensitive data.

- **UI enhancements:**
  - The “Classification Rules” view has been renamed “Custom Classifications.”
  - The Custom Classifications view and Protection Policies view have minor enhancements and are now available under a new Data Protector link in the navigation panel.
Subscriptions

When configuring an email action for a job status change event, you can now use a parameter to have an email sent to the owner of the job.

Organization Security

This release includes the following improvements for managing users:

- The Add User dialog box now has links to clear any assigned roles or select all available roles.
- After you create a user account or reset the password of a user account, Control Hub now sends an email with a link to set a new password.

Accessing Metrics with the REST API

You can now use the Control Hub REST API to access the count of input records, output records, and error records, as well as the last reported metric time for a job run.

New Configuration File

This release includes a new configuration file, $DPM_CONF/dynamic_preview-app.properties, used to configure the Dynamic Preview (Data Protector) application.

Updated Configuration Files

The following updated configuration files include new properties for this release:

- $DPM_CONF/common-to-all-apps.properties now includes a new property, db.slow.query.interval.millis, which defines the number of milliseconds that a query must run before Control Hub logs a warning. In most cases, the default for this property should work.
- $DPM_CONF/jobrunner-app.properties now includes a new property, failover.initial.delay.millis, which defines the number of milliseconds to wait before Control Hub starts the failover thread. In most cases, the default for this property should work.
- $DPM_CONF/security-app.properties now includes the property reset.token.expiry.in.days, which defines the number of days until the link to set a password expires. This property replaces the same property in the common-to-all-apps.properties file. In most cases, the default value for this property should work.

Upgrading to Version 3.13.x

You can upgrade previous versions of Control Hub to version 3.13.0. For complete instructions on upgrading, see the Upgrade documentation.
Fixed Issues in Version 3.13.0

This release fixes the following known issues:

- Length of user name is not validated. (6887)
- Cannot delete a user and then recreate the same user. (6881)
- Installations contain four unnecessary jar files: iText, materialize-css, mysql-connector-java, and OpenJPA Aggregate. (6842)
- Logs show RDBMS credentials and admin credentials. (6664)
- Users don’t inherit group roles when LDAP authentication is enabled. (6659)
- Incorrectly computed acknowledgement timeouts cause jobs to enter an inactive error state. (5790)
- When you share objects, the Sharing Settings window does not clearly differentiate between users and groups, does not let you select multiple users and groups at once, and displays unreadable text for long names. (5677)

Known Issues in Version 3.13.x

Please note the following known issues with this release:

- Upgrading an RPM installation of Control Hub overwrites the configuration files. (6509)
- When editing a pipeline, deactivating a pipeline rule does not disable the rule.
  Workaround: Delete the rule to disable it. (5680)
- When you monitor a job, the Summary tab might display the record count and record throughput with decimal places. For example, the number of input records might display as 11,475.03. (5347, 5200)
- The number of pipelines displayed on the Dashboards view does not match the number of pipelines in the pipeline repository. (5125)
- Cluster pipelines that include an HDFS destination or that run on Spark 2.3 fail to start on a Data Collector version 3.6.1 or earlier when the pipelines are run from Control Hub jobs. (5106)
- The Control Hub scheduler cannot schedule job templates to create and start job instances on a regular basis. (4927)
- A topology displays metrics from a single pipeline instance instead of aggregated metrics from all pipeline instances after a job has been updated to write aggregated statistics to another system.
  Workaround: Delete the updated job from the topology and then add the job again. (4881)
When using PostgreSQL for the relational database, the installation process requires that users manually configure the PostgreSQLDelegate class for the Scheduler application. Instead, the installation process should automatically handle the configuration. (4808)

Control Hub fails to connect to the LDAP server when the LDAP password configured in the Control Hub security configuration file, $DPM_CONF/security-app.properties, starts and ends with a dollar sign ($). (3782)

When a user schedules a job that he does not have execute permission on, the scheduled task is successfully created. However, the scheduled task fails to trigger and does not display an error message indicating that the user must have execute permission on the job.

Workaround: Grant the user execute permission on the job being scheduled. (3720)

Updating a job to use the latest version of a pipeline loses the existing data SLAs configured for that topology. (3315)

Topology metrics and aggregated metrics for a job which runs on multiple Data Collectors might not accurately reflect the metrics for individual jobs or pipelines.

Workaround: For topology metrics, select a job in the topology canvas to monitor the statistics for the job. (2906)

If you scale up a deployment and then delete unregistered authentication tokens for Data Collectors while waiting for the deployment to scale, the newly provisioned Data Collectors might start but not successfully register with Control Hub. (2880)

**Contact Information**

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Check out our Documentation page for doc highlights and tutorials: [streamsets.com/docs](streamsets.com/docs)

Or you can go straight to our latest documentation here: [https://streamsets.com/documentation/controlhub/latest/onpremhelp/index.html](https://streamsets.com/documentation/controlhub/latest/onpremhelp/index.html)

To report an issue, to get help from our Google group, Slack channel, or Ask site, or to find out about our next meetup, check out our Community page: [https://streamsets.com/community/](https://streamsets.com/community/).

For general inquiries, email us at [info@streamsets.com](mailto:info@streamsets.com).