

# StreamSets Protector Enterprise Library

## 1.9.0 Release Notes

April 13, 2020

We're happy to announce the 1.9.0 release of StreamSets Protector Enterprise Library.

The StreamSets Protector Enterprise Library includes a set of Protector stages for use in Data Collector pipelines. Refer to Data Collector documentation for more information on [Enterprise stage libraries](#). Use Protector Enterprise Library 1.9.0 with Data Collector 3.11.x and later.

This document contains the following information:

- [New Features and Enhancements](#)
- [Installation](#)
- [Additional Resources](#)

## New Features and Enhancement

The Protector Enterprise Library 1.9.0 release includes the following stages:

### Classification Processor

The Protector Enterprise 1.9.0 release includes the following classification processor:

- Protector: Discover PII - Classifies data using StreamSets classification rules. Custom classification rules are not available at this time.

Use this processor before other Protector stages in a pipeline to classify the data to be protected.

### Protection Processors

Protection processors protect datetime, numeric, and string data that has been classified earlier in the pipeline.

When you configure protection processors, you specify the classifications of data to protect, such as CREDIT\_CARD or US\_SSN. Then, you configure how to protect that data.

The Protector Enterprise 1.9.0 release includes the following protection processors:

- Protector: Custom Masks - Protects data with a custom mask.
- Protector: Dates - Rounds datetime data to the year, month and year, or quarter and year.


- Protector: Drop - Drops the entire field of data.
- Protector: Expression - Replaces data with the results of a specified expression.
- Protector: Groovy - Protects data with a custom Groovy script.
- Protector: Hash - Uses an algorithm to hash data.
- Protector: JavaScript - Protects data with a custom JavaScript script.
- Protector: Jython - Protects data with a custom Jython script.
- Protector: Masks - Masks data classified as credit cards and email addresses, as well as U.S. phone numbers, social security numbers, and zip codes.
- Protector: Names - Reduces names to initials or to the first name.
- Protector: Numbers - Rounds numbers to a range or to above and below a specified threshold.
- Protector: Replace - Replaces data of the selected data type with a specified value.
- Protector: Scramble - Scrambles dates and numbers based on a specified range.

## Installation

You can now use the Data Collector Package Manager to install Protector Enterprise Library.

1. Click the **Package Manager** icon .

Package Manager lists all available stage libraries and the stages within each stage library.

2. In the Navigation panel, click **Enterprise Stage Libraries**.
3. Select **Protector Enterprise Library**, then click the **Install** icon .
4. Read the StreamSets subscription terms of service. If you agree, select the checkbox and click **Install**.

Data Collector installs the selected stage library.

5. Restart Data Collector.

## Additional Resources

For more information about StreamSets, visit our website: <https://streamsets.com/>.

Visit our Documentation page for doc highlights, what's new, and tutorials: [streamsets.com/docs](https://streamsets.com/docs)

Or, access our latest Data Collector documentation here:  
<https://streamsets.com/documentation/datacollector/latest/help>

To report an issue, to get help from our Google group, Slack channel, or Ask site, or to find out about our next meetup, visit our Community page: <https://streamsets.com/community/>.

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