**Data Adapter**

**B-83632: Upgrade testing and procedure definition**

# **Introduction**

There are installation instructions for the adapter, that need to be confirmed, and or revised for upgrading customers as well as new customers. This document defines the necessary changes for new installation instructions, basing on the PDF attached to the story. Also defines the required steps to resend or maintain data in Connect. Finally, it specifies how to upgrade Data Adapter installation files.

# **Change Summary**

### Data Adapter Installer

* Fixed dependency with TE server service.
* Added max content and max message sizes.
* Updated Tanuki wrapper license
* Added initial pull days as installation parameter.
* Included warning for incorrect TE REST API version during installation.
* Included arguments to invoke Data Adapter with memory usage restrictions.
* Updated classpath to invoke Data Adapter.

Required changes:

* Service has to be reinstalled to remove dependency on TE server service.
* Configuration file needs to be replaced since there are new parameters.
* Wrapper configuration file needs to be replaced since the license, and the arguments for memory usage restrictions and classpath have been modified.

### Data Adapter

* Added max content and max messages restriction.
* Increased time between queries to RAV API.
* Expose summary state for Test Results.
* Improved names and time units of timeout properties.
* Added Test Results ids to the model.
* Added Saved Filters to configuration message.
* Removed unknown test results from configuration message and added UnknownTestResults message.
* Added watermark posting for configuration and unknown tests results.
* Separated events pipeline in two, sending only one type of events per message.
* Replaced events watermark posting for FIM and SCM events watermarks posting.
* Added exception handling for POST log messages when TE’s license is invalid.
* Included warning for incorrect TE REST API version at start.

# **New Installation Instructions**

**Modify >** “To install a Data Adapter, complete the following steps from a command prompt on the TE Server:”

“5. (Optional) By default, Tripwire Connect will collect the data generated by Tripwire

Enterprise over the past 90 days. If you want to change this setting, you must do so now by completing the following steps:”

**Replace by >** Enter the number of days for the initial data transfer from Tripwire Enterprise. By default, this setting is 90 days. If you want to change this setting, you must do so now by completing the following steps: ...

**Replace table >** “Table 2. Properties in the factory.properties file”

|  |  |
| --- | --- |
| server.port | The Tripwire Enterprise port number where the Data Adapter will run. |
| adapter.idle\_time\_in\_infinite\_loop\_millis | The idle time while getting 'near real time' events from Tripwire Enterprise (ms). |
| adapter.interval\_to\_fetch\_events\_minutes | The maximum time scope to query for events per day (m) (e.g., a value of 60 minutes will query 24 times in a day, A value of 1440 will request a full day of data per request). |
| adapter.watch\_delay\_minutes | The delay for the Data Adapter sync process (m). |
| terest.pages\_limit | The Page limit to query Tripwire Enterprise's objects. |
| adapter.suggested\_messages\_amount\_before\_flush | The suggested amount of messages to hold before flushing to Connect Appliance |
| adapter.suggested\_events\_amount\_per\_message | The suggested amount of events to include per message to Connect Appliance |
| adapter.health.main\_loop.treshold | The time for the adapter to warn about unknown status while processing events (ms). |
| adapter.max\_content\_size\_mb | The maximum content size that can be sent to Connect Appliance (mb) |
| adapter.max\_message\_size\_mb | The maximum message size that can be sent to Connect Appliance (mb) |
| terest.socket\_read\_timeout\_minutes | The socket read timeout for HTTPS requests to Tripwire Enterprise (m) |
| ravrest.socket\_read\_timeout\_minutes | The socket read timeout for HTTPS requests to Connect Appliance (m) |

# 

## Compatibility Warnings

Check at the end of the installation:

* Verify no warnings related with Tripwire Enterprise REST API’s version are shown
* Also, installation will terminate if Connect’s version is different from 3.5.1.

# 

# **Upgrading Instructions**

## Updating Files

There is no way to upgrade the required files keeping the old ones in place. The connect folder has to be replaced with a new connect folder.

* It could be useful to save the logs and the configuration stored in:
  + connect/log
  + connect/lib/config
* Execute ‘adapter remove’ to remove the current version.
* Replace connect folder with the new one.

From this point, the user can follow installation instructions. The old configuration can be useful to verify parameters.

## Resending Data

The new installation process will migrate the watermarks automatically if necessary. The default behaviour is the expected for most customers, where only SCM events data should be resent. However, the user will be able to choose. The following questions will be asked after the properties from Table 2 (Properties in the factory.properties file) are configured, only if the watermarks were migrated from 3.5.0 to 3.5.1:

* Should configuration data be resent? [no]
* Should SCM events data be resent? [yes]
* Should FIM events data be resent? [no]

\*[ ] - default answer