PVT Teamplace ▸ eFACTS wiki ▸ eFACTS Collector
TeamPlace for PVT and Truck Function Validation team

Owner :
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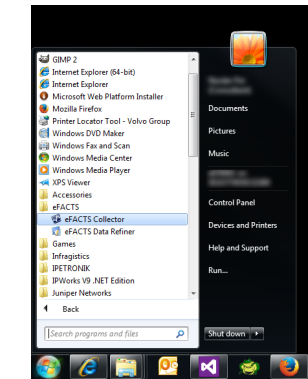Martin

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Tags & Notes

eFACTS Collector

1. Introduction

The eFACTS Collector has two main objectives:

1. Managing bindings between data logger serial number and the truck it is installed in
2. Uploading measurement data to the eFACTS server

2. Startup

The application can easily be started by pressing the windows start button, where it is found in the eFACTS folder, in "All Programs"
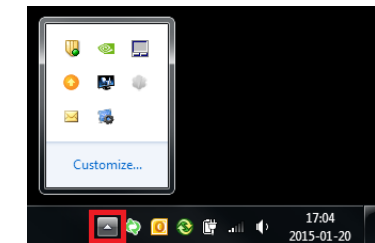

When the program is starting up a window displaying connection status is shown, the window is automatically closed once a connection has been established.

Once the program has started, it is minimized to the Windows notification area next to the clock.
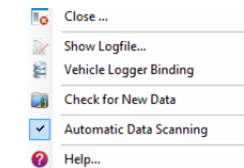

If the eFACTS Collector is not visible, it is probably hidden. Then press the icon for showing hidden icons:
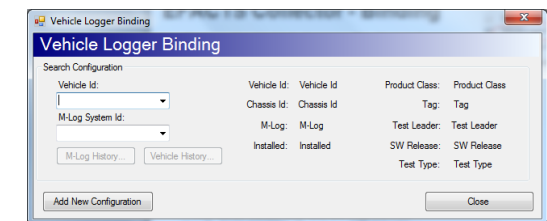

3. Notification Area Icon and Menu

If you right click the eFACTS icon in the notification area, the main menu of the program will be shown.

- Close - Exits the entire application
- Show Logfile... - Opens a text editor with the log file of your local Collector client, attach this to support email in case you experience problems running the program.
- Vehicle Logger Binding - Opens a form for managing Vehicle Logger Bindings (see next part)
- Check for New Data - Immediately starts a search for new importable data in the C:\MeasData\ folder
- Automatic Data Scanning - Enables/Disables automatic detection of new data being copied into the C:\MeasData\ folder
- Help - Opens this help or a help file in earlier versions

4. Managing Vehicle Logger Bindings

To open the window for managing vehicle logger binding, click the menu option in the main menu. The Vehicle Logger Binding windows opens, initially showing a form for searching for current bindings and binding history.

Select or type your Vehicle or M-Log System ID in the editable combo boxes to the left. If there is a match in the database, the information about the latest matched binding will be displayed in the right part of the window. If there is a match, also the M-Log and Vehicle history buttons will be enabled, click any of these to see the binding history.

Adding a new configuration

More Information

[eFACTS Collector Version History](#)

Adding a new configuration

Click the "Add New Configuration" button to show the form for inserting new bindings into the system.

In the lower part of the window you have a couple of fields that you have to fill in before you can add your binding:

1. Vehicle ID: The PROTUS test object ID of your vehicle

   When you have entered this value, the program will search the database and if there is any match the rest of the form will be updated with details from the latest binding for that particular vehicle.

2. Chassis ID

3. M-Log System ID: The ID number of the logger system, e.g. "80001234".

4. Installation date: Enter the date the logger was installed in the vehicle, it is very important that this is correct, so that measurements are not bound to the wrong vehicle.

5. Product class

6. Tag: Tags the vehicle to a specific site

7. Test Leader: The test leader responsible for the vehicle from the installation date

8. SW Release

9. Test Type

Press the "Insert" button to show a confirmation dialog of the binding and press OK to continue inserting it into the eFACTS system.

Important note! All the white combo boxes are editable, meaning that if your value is not in the list, you can enter it manually. Be sure to use the correct casing!

All gray combo boxes have been locked for editing, since they are tightly connected to core functionality of the eFACTS system. To request new values, click the "Request New Items..." button and send a mail to the eFACTS team.

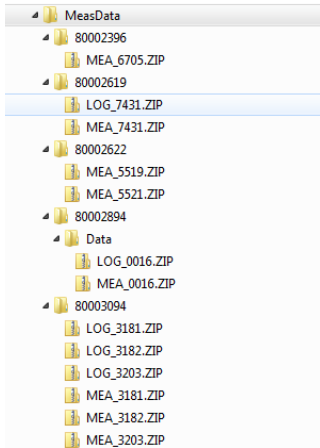## 5. Importing Measurement Data

5.1 Folder structure

Measurment data to be imported should be placed in the C:\MeasData\ folder on your computer. The data should be placed in a specific file structure:

- Logger folder:
  This is the first level below C:\MeasData\. Each logger should have a folder with its ID as name
  e.g. C:\MeasData\80001234\.
- Data folder (optional):
  Usually the measurements are stored in a Data folder in the logger folder e.g. C:\MeasData\80001234\Data\.
- Compressed Measurements:
  The measurements are stored as ZIP files in the Logger or Data folder optionally together with its log file e.g.
  C:\MeasData\80001234\Data\MEA_1234.ZIP, C:\MeasData\80001234\Data\LOG_1234.ZIP,
  C:\MeasData\80001234\MEA_1234.ZIP and C:\MeasData\80001234\LOG_1234.ZIP
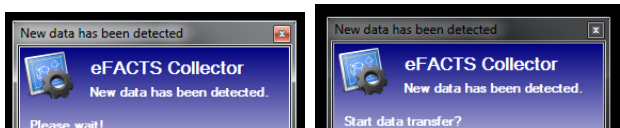

5.2 Starting the import

Depending on whether you have Automatic Data Scanning enabled or not there are two ways of starting the data import in the Collector.

- Automatic Data Scanning
  As soon as new files are noticed in the C:\MeasData\ folder, the Collector will show its action dialog

- Check for New Data (manually)
  If automatic data scanning is turned off, you have to press the check for new data button in the main menu to start the action dialog

5.3 Action Dialog

The action dialog is shown when there is new data to import. The window might show an progress bar indicating that files are still being detected. Wait for the progress bar to disappear or click the "Snooze" button to hide the dialog for a while.

The dialog has three buttons:

1. Yes: Starts the transfer dialog (see below).
2. No: Closes the dialog and disables automatic data scanning. You have to press "Check for New Data" in the main menu to start the import again.
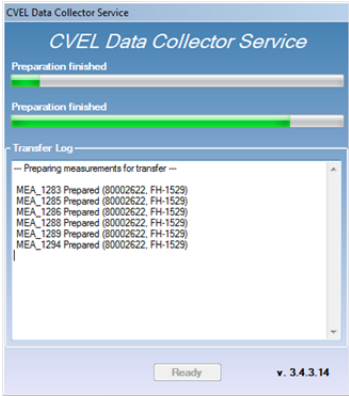3. Snooze: Snoozes the automatic data scanning for a while.

6. Transferring Measurement Data

When you have clicked "Yes" in the action dialog, the measurement transfer dialog is shown. The transfer dialog performs four different automated tasks while the progress is displayed in the window.
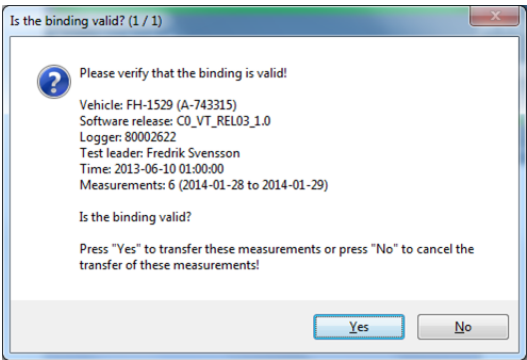
1. Preparation
2. Packing
3. Transferring
4. Cleaning

6.1 Preparation

In the preparation task every measurement to be uploaded is analysed to fetch information about the measurement. This information is used to determine the typ of measurement and to identify the vehilce logger binding.
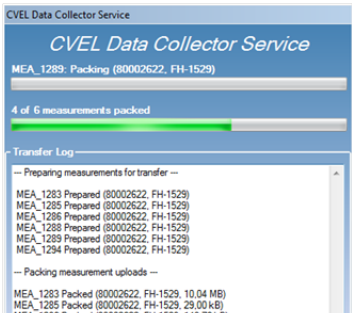

When all measurements have been prepared, you will have to confirm that the vehicle to logger bindings are correct. A dialog is shown for every unique binding, with the details listed. If the details are correct, you can press "Yes" to continue the import. Otherwise you have to press "No" and make sure that the bindings are correct before starting the measurement import again.
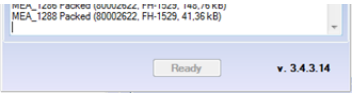

After you have verified that the bindings are correct, no more input is needed from you. The program will continue running until finsihed. Just make sure your computer does not go into sleep or hibrnation!

6.2 Packing

In the packing task the measurements are packed according to their type, to reduce total transfer size and bandwidth utilization. The packing might take a while, especially on older computers. If a measurement takes a very long time, this is probably due to that it originally was quite big.

When the packing is finished, the next task is automatically started.

6.3 Transferring

In this task data is transferred to the eFACTS server. How long this takes depends mostly on your upload speed. Since the servers are located in Göteborg, sites outside of Sweden might sometimes experience slow transfers.

6.4 Cleaning

When the transferal is finished, the dialog cleans up all temporary files to free space on your hard drive. When it is finished the "Ready" button becomes enabled, press it to close the dialog.