

# **BLF TO CSV CONVERSION FOR CHARGING DATA**

## **USER GUIDE**



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# INTRODUCTION

## Requestors:

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## Business Objective:

- Automate the process of extracting large number of Truck Specifications from KAX Module of EDB (Engineering Data Base) and present it to the user in a consolidated view for easy verification and validation

## Pain Points:

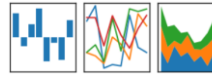
- Today "Bracket-Calc" module of EDB gives output for one truck spec at a time, this increases the manual effort for verification of multiple trucks that is too lengthy and repetitive in nature.
- Comparison becomes difficult with the manual process of extracting different Truck Specifications one by one and switching between windows.
- Poor verification / manual errors may result in Production Stop, Re-Work and Issues raised during Production.
- By Automating the manual process of extracting the specifications for a large number of trucks at the click of a button based on a dynamic list of Truck ID's, users can **save over 300 hours of Engineering effort** for P6700 from PD/GTO point of view.

## Business Requirements:

- User friendly tool to automate this process.
- Users need an interface to upload multiple Truck ID's at a time and get an output in the form of single Excel Sheet with each sheet showing the output of EDB for a specific Truck ID.



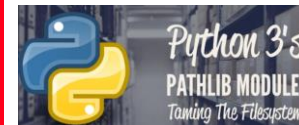
pandas  
 $y_{it} = \beta'x_{it} + \mu_i + \epsilon_{it}$



Selenium



xlsxwriter  
PYTHON TO EXCEL  
Automating time consuming, error prone, and repetitive Excel tasks



# INSTALLATION

## Download:

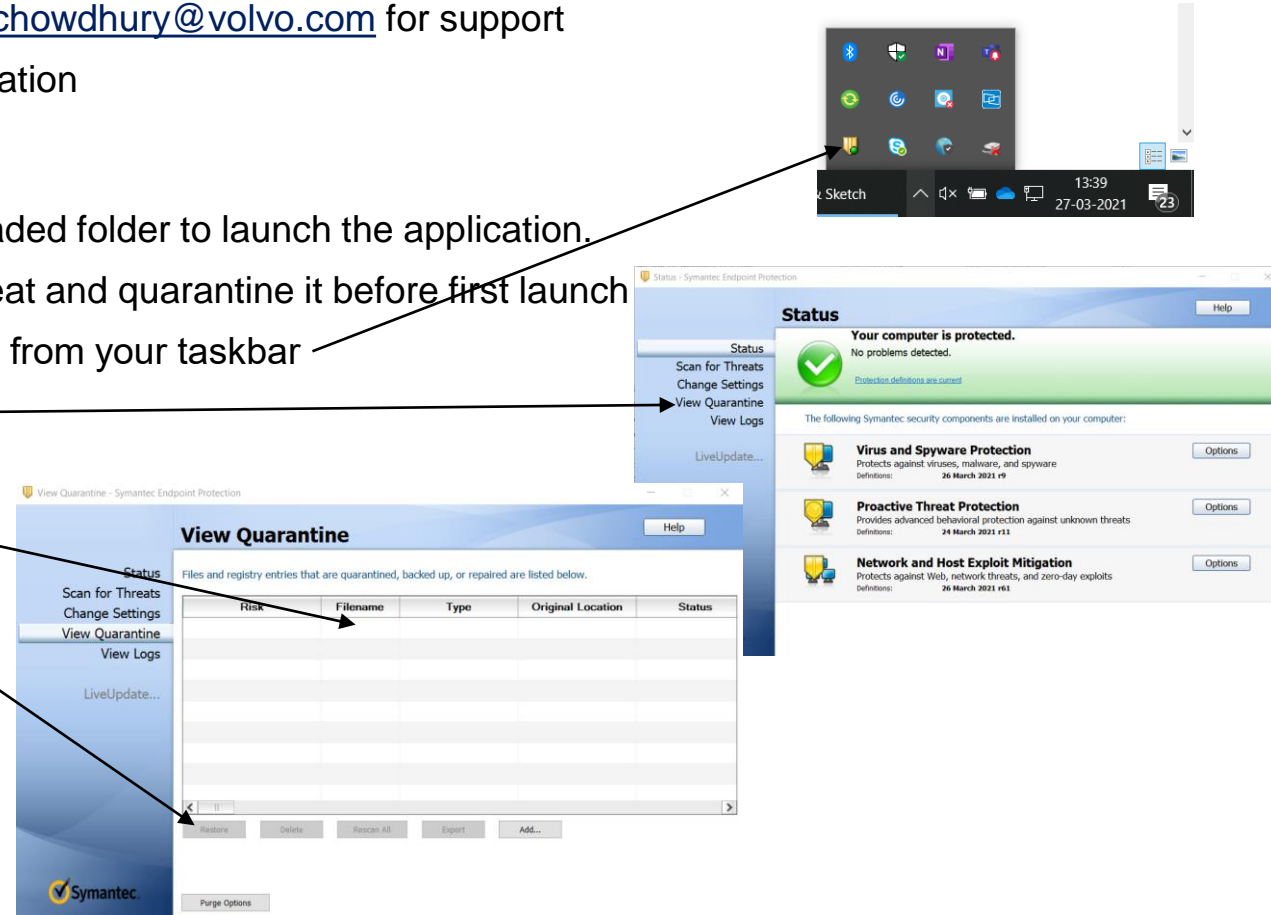
- You can download the application from [HERE](#) or contact [arjit.chowdhury@volvo.com](mailto:arjit.chowdhury@volvo.com) for support
- Unzip the content of the zip file and place it in your desired location

## Launch:

- Double click on Charging\_Fault\_Analysis.exe in your downloaded folder to launch the application.
- Since it is an .exe file, Symantec will treat it as a potential threat and quarantine it before first launch
- In order to restore it, Click on “Symantec Endpoint Protection” from your taskbar
- Then click on “View Quarantine”
- Choose the filename and click on “Restore”
- You need to repeat the above steps 4-5 times.
- This is a just a one time activity.

## Distribute:

- You can simply copy the downloaded zip file and share with your colleagues through “One Drive”



# User Interface – Home Screen

Charging Faults and Success Rate Calculation

## Charging Faults and Success Rate Calculation

### Choose Parameters

Choose Folder:

Choose Charging Type:

Enter Truck ID:

Select the Root Folder from the dropdown

Select the type of charging

Enter the Truck ID

Click on Confirm

Click for User Guide

# User Interface – Path Verification

Charging Faults and Success Rate Calculation

## Charging Faults and Success Rate Calculation

### Choose Parameters

Choose Folder: AC Charging via Cable Malmö 20w22

Choose Charging Type: AC Charging

Enter Truck ID: 8470

Confirm

### File Path

Input File Path:  
\\vcn.ds.volvo.net\cli-sd\sd0111\045336\Task-Force\_Charging\AC Charging via Cable Malmö 20w22

Creation of Output Folder Successful

Output File Path:  
\\vcn.ds.volvo.net\cli-sd\sd0111\045336\Task-Force\_Charging\AC Charging via Cable Malmö 20w22\outputs\8470

Convert from BLF to CSV: Convert

User Guide Exit

Verify the file path

Click on Convert and wait for the conversion. It may take up to an hour to convert each Gigabyte of BLF file

# User Interface – Start Conversion

Charging Faults and Success Rate Calculation

## Charging Faults and Success Rate Calculation

### Choose Parameters

Choose Folder: AC Charging via Cable Malmö 20w22

Choose Charging Type: AC Charging

Enter Truck ID: 8470

Confirm

### File Path

Input File Path:  
\\vcn.ds.volvo.net\cli-sd\sd0111\045336\Task-Force\_Charging\AC Charging via Cable Malmö 20w22

Creation of Output Folder Successful

Output File Path:  
\\vcn.ds.volvo.net\cli-sd\sd0111\045336\Task-Force\_Charging\AC Charging via Cable Malmö 20w22\outputs\8470

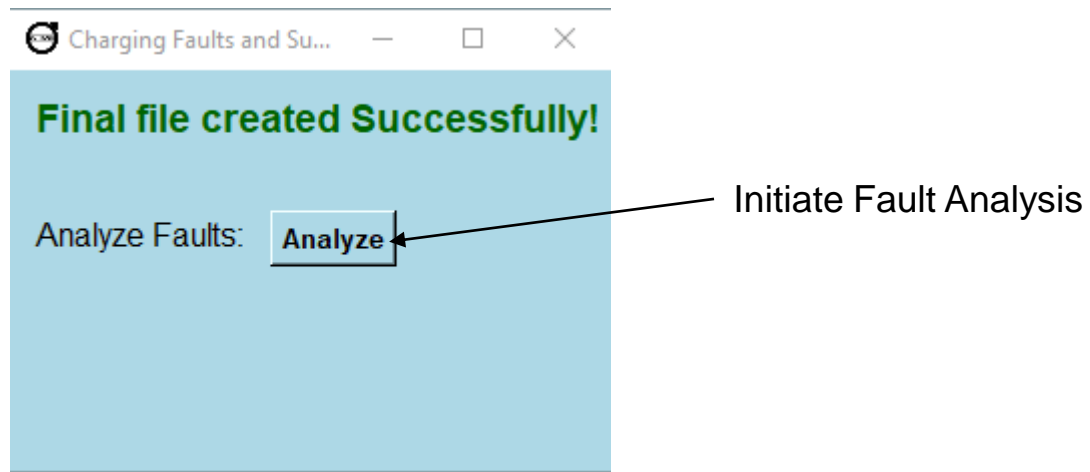
Convert from BLF to CSV: Convert

User Guide Exit

Verify the file path

Click on Convert

# User Interface – Final Dialog Box



# Thank You

For Support and Enhancement Ideas, Please Contact

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