SmartBridge Logfile Converter

How to use the SmartBridge Logfile Converter

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Overview

This tool converts the SmartBridge log file content, stored on the microSD card, from a binary format (*.EXT) into a readable CSV format (*.CSV).

Smartbridge Logfile Converter						
Log File						
Choose log file END Vendor-ID: 1 Device-ID: 1116420 Article number no informat	ATA0002.EXT		Vendor: Product: Starting time:	no information within logfile no information within logfile 2018-01-18 19:23:03 UTC		
Device Description						
1000finder (online) vava 1000 (manually) Choose IOBD	lable online		Vendor: Product:	PepperI+Fuchs Multiple products found in IQDD fil	e :	
Filter						
Timespan Start	2018-01-18	13 23 03	End Duration in	2018-01-18 🛗	14 23 03	
Process Data All All All State Data Stents	0 Only one per hour 0 Or	rily one per minute 🔹	Only one per second			
Output Settings						
Choose Target Directory	C\Temp\Conv_L	ogs				
Filename:	Conv_Log1				.csv	
CSV Delimiter:	* semicolon		0	comma		
		Start C	onversion			

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Functionality

- 1. Choose log file
- 2. Device description file (IODD)
- 3. Apply filter methods
- 4. Output settings



After selecting a log file (*.EXT), the converter analyzes its content for Vendor and Device ID, article number, vendor and product name. In case of a missing information it will be displayed accordingly.

Smartbridge Logfile	Converter			Salation and Sa
Log File				
Choose log file	E%DATA0002.EXT			
Vendor-ID:	1	Vendor;	no information within logfile	
Device-ID!	1116420	Product:	no information within logfile	
Article number	no information within logfile	Starting time	2018-01-18 13:23:03 UTC	

Device description (IODD)

Vendor and Device ID will be read from the log files content and the tool establishes a connection to the IODDFinder website (<u>https://ioddfinder.io-link.com/</u>), in order to download the latest IODD automatically. If this procedure is not possible (i.e. IODD is not available on the website) the user can specify the device description by himself. Therefore you have to check "IODD (manually)" and navigate to the required IODD file.

Device Description				
 IODDfinder (online) IODD (manually) 	✓ available online	Vendor: Product:	Pepperf+Fucht Multiple products found in IODD file	
Choose ICIDD				

Apply filter methods

SmartBridge Log File Converter offers various options to pre-process log entries. This alters the way how log entries are displayed.

<u>Timespan</u>

You can determine a start and end time or start time and a duration in milliseconds. By default the time of the first log entry is preset as start time and the end time an hour later. However, the timespan filter is not active by default.

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Log entry type (Process Data, State Data, Events)

This setting affects all log entries. Check the preferred type of data (process data, state data, events) to display only those log entries. By default all log entries are displayed.

Sampling rate

You can either display all logged entries or only a single log entry written per hour / minute / second. This can significantly reduce the amount of shown log entries and the result file size.

Filter											
Timespan			^	~	~				^	~	^
Start	2018-01-1	8 00	13	23	03	III End	2018-01-18	<u></u>	14	23	03
			¥	4	v				~	Y	¥
						Ouration in ms.					
Process Data		hour 🔍 o	hity one pe	er minuti		sly one per second					
🛙 State Data											
Exente											

Output settings

Choose the target directory and file name. You can also change the CSV delimiter to semicolon or comma.

Output Settings			
Choose Target Directory	C/(Temp\Conv_Logs		
Fdename:	Conv_Log1		.csv
CSV Delimiter:	* semicolon	© comma	
	Sta	rt Conversion	
	all and a second s		