

Financial Statistics

Financial Stability and Statistics

8 July 2024 BOF/FIN-FSA-UNRESTRICTED

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Implementation of the converter (.exe version)

Following the reform of the Bank of Finland's reporting system, the structure of the report files will change from the CSV file format to XML. This guideline describes the use of a temporary converter tool enabling the conversion of the file format from .csv to .xml and vice versa. This guideline is made for the Windows environment, and as such it does not apply to other platforms.

1. Download the converter zip package: <u>https://github.com/SuomenPankki/Bof.Stat.DCS.Converter/releases/downloa</u> <u>d/v.1.1.0/Bof.Stat.DCS.Converter.Console-v1.1.0.zip</u>

Or: https://github.com/SuomenPankki/Bof.Stat.DCS.Converter

You can locate the file by clicking "Releases" > "Latest" on the right side of the page.

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v1.1.0 Latest 3 days ago	
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Download the file under the "Assets" section.

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Data collections SAVE, KOTI, RATI, MAPE, PEF, MURA, SIRA and TIHA
▼ Assets 3
𝒫Bof.Stat.DCS.Converter.Console-v1.1.0.zip



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The file can be found in the "Downloads" folder on your computer.

2. Decompress the zip package to a folder of your choosing.

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I Disk (C:) → tem	p > Bof.Stat.DCS.Converter.Console-v1.1.0			
	Name	Date modified	Туре	Size
	AutoMapper.dll	1.7.2024 9.19	Application exten	258 KB
π	Bof.Stat.DCS.Converter.BL.dll	1.7.2024 9.19	Application exten	69 KB
Ŕ	Bof.Stat.DCS.Converter.BL.pdb	1.7.2024 9.19	PDB File	24 KB
*	Bof.Stat.DCS.Converter.Common.dll	1.7.2024 9.19	Application exten	16 KB
*	Bof.Stat.DCS.Converter.Common.pdb	1.7.2024 9.19	PDB File	13 KB
	Bof.Stat.DCS.Converter.Console.deps.json	1.7.2024 9.19	JSON Source File	4 KB
	Bof.Stat.DCS.Converter.Console.dll	1.7.2024 9.19	Application exten	13 KB
	E Bof.Stat.DCS.Converter.Console.exe	1.7.2024 9.19	Application	153 KB
	Bof.Stat.DCS.Converter.Console.pdb	1.7.2024 9.19	PDB File	12 KB
	Bof.Stat.DCS.Converter.Console.runtime	1.7.2024 9.19	JSON Source File	1 KB
	Bof.Stat.DCS.Converter.Model.dll	1.7.2024 9.19	Application exten	274 KB
	Bof.Stat.DCS.Converter.Model.pdb	1.7.2024 9.19	PDB File	95 KB
	CsvHelper.dll	1.7.2024 9.19	Application exten	207 KB
	NLog.config	1.7.2024 9.19	Configuration Sou	1 KB
	NLog.dll	1.7.2024 9.19	Application exten	917 KB

3. Open the command prompt window (you can find the window by entering cmd in the search field on your computer) and execute the software in the window.

C:\temp\Bof.Stat.DCS.Converter.Console-v1.1.0>Bof.Stat.DCS.Converter.Console.exe

If your computer does not have a .net execution environment, you must download it from the link indicated in a notification on the computer.



Otherwise, the window will show how to use the software. Type the row below into the command prompt window indicating as a parameter the name of the .csv file you want to convert to the .xml format.

Usage: Bof.Stat.DCS.Converter.Console.exe [filename]

An example of converting a MAPE file

14:05:50	Handling CSV-file C:\DATA\CSV_TO_XML\Konvertteri\MAPE_2024Q01.csv
14:05:51	Converting file C:\DATA\CSV_T0_XML\Konvertteri\MAPE_2024Q01.csv
14:05:52	Writing file C:\DATA\CSV_T0_XML\Konvertteri\F128583949_VAT_0_MAPE0_2024-03-31_20240425122509000.XML



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Any errors occurring in the conversion are indicated in the window as follows:

12:02:14 Handling CSV-file C:\DATA\CSV_TO_XML\Konvertteri\MAPEH_1_TESTI.csv
12:02:14 Handling CSV-file C:\DATA\CSV_TO_XML\Konvertteri\MAPEH_1_TESTI.csv failed
12:02:14 Error getting filehandler
12:02:14 An unexpected error occurred.
IReader state:
ColumnCount: 0
CurrentIndex: 8
HeaderRecord:
IParser state:
ByteCount: 0
CharCount: 69
Row: 1
RawRow: 1
Count: 12
RawRecord:
000;A;FI12345678;A;FI12345678;MAPE;7;H;2024H03;20240229124403;11;12

The notification shows the row containing the error but not necessarily the column.

You should start troubleshooting by ensuring that the csv file to be converted is in the right format, i.e. it corresponds to the current record structure of the csv report. Secondly, the file format can be reviewed for example by sending a csv report in the test environment of the DCS2 reporting service.

Most common errors:

- wrong data type for the field
- redundant " characters on the row
- " characters in a value field
- too short creation date, seconds missing

In using the converter, it should be borne in mind that it is not a validator, but merely a converter from one format to another.