

RUNMODE

S7 DB TAGS v1.x

for Siemens S7-300 / S7-400 PLCs

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Requirements

- Runmode S7DBTAGS is a 32 bit application for Microsoft Windows 95/98/ME/NT/2000/XP/VISTA.
- The application supports Siemens Simatic S7-300 and S7-400 projects only. S7-200, S7-1200 and Logo! projects are not supported.

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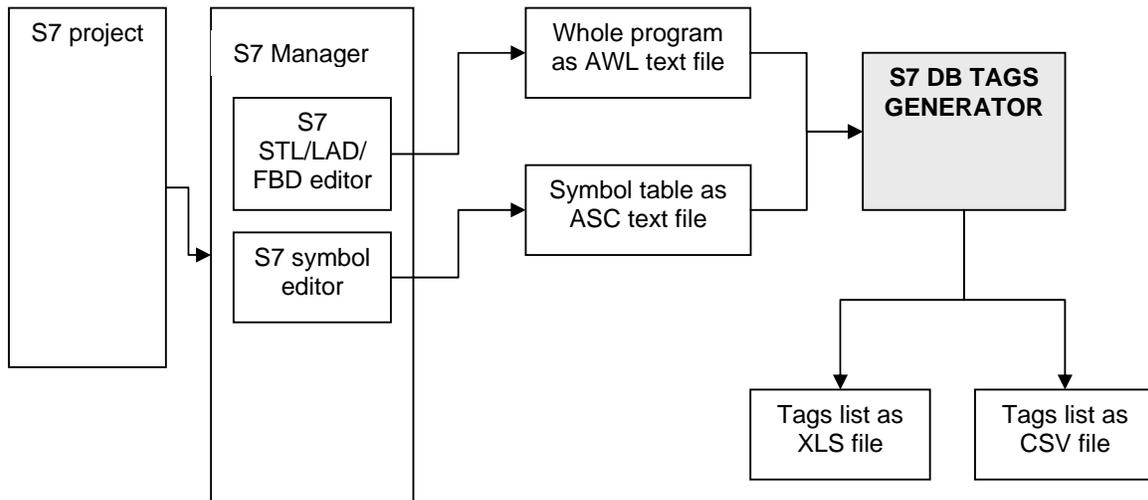
Installing S7DBTAGS

The software does not need any installation, just copy it to a folder of choice and run it. Each copy of S7 DB TAGS comes with a personalized license file USER.LIC that must be located in the same folder containing the S7 DB TAGS executable file.

S7DBTAGS concepts

The software elaborates the source code of any S7 project in order to extract all variables allocated in data blocks, either in simple form or contained in complex structures.

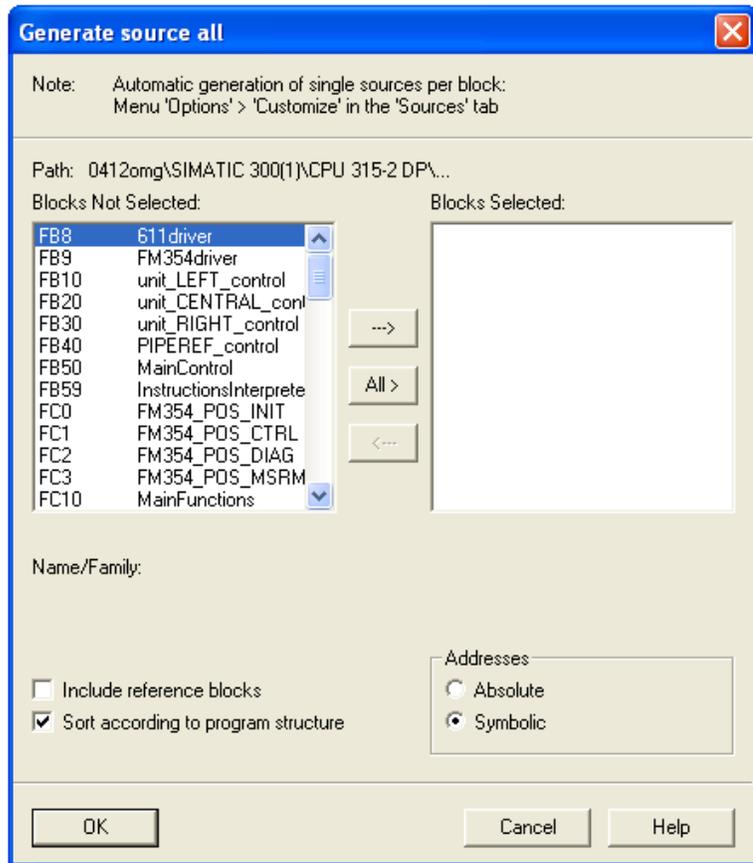
It is advisable to provide also the S7 projects symbol file in order to properly decode their full address in case the data blocks have been given a symbolic name.



Generating the AWL source file

Open your S7 project with the Simatic Manager, then open one block in the STL/LAD/FBD editor

In the menu “File | Generate source” of the STL/LAD/FBD editor, generate the complete source file of your PLC project (all blocks).

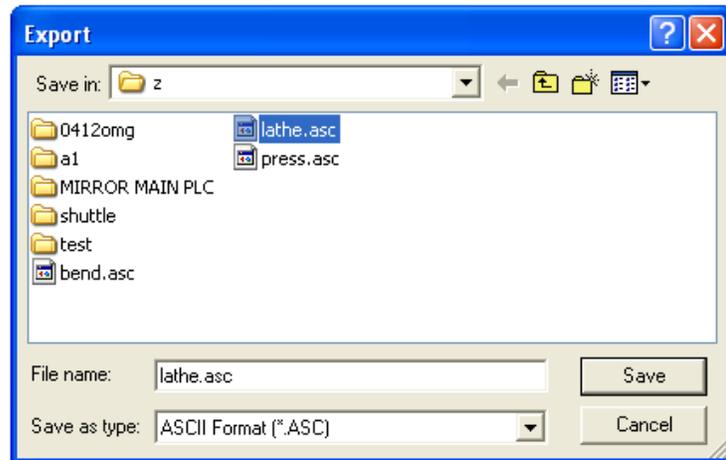


Close the STL/LAD/FBDF editor

From the in the Simatic Manager, select the “sources” folder, right-click with the mouse on the file just created and export it as AWL file (e.g. lathe.awl) to a folder of choice.

Generating the ASC symbols file

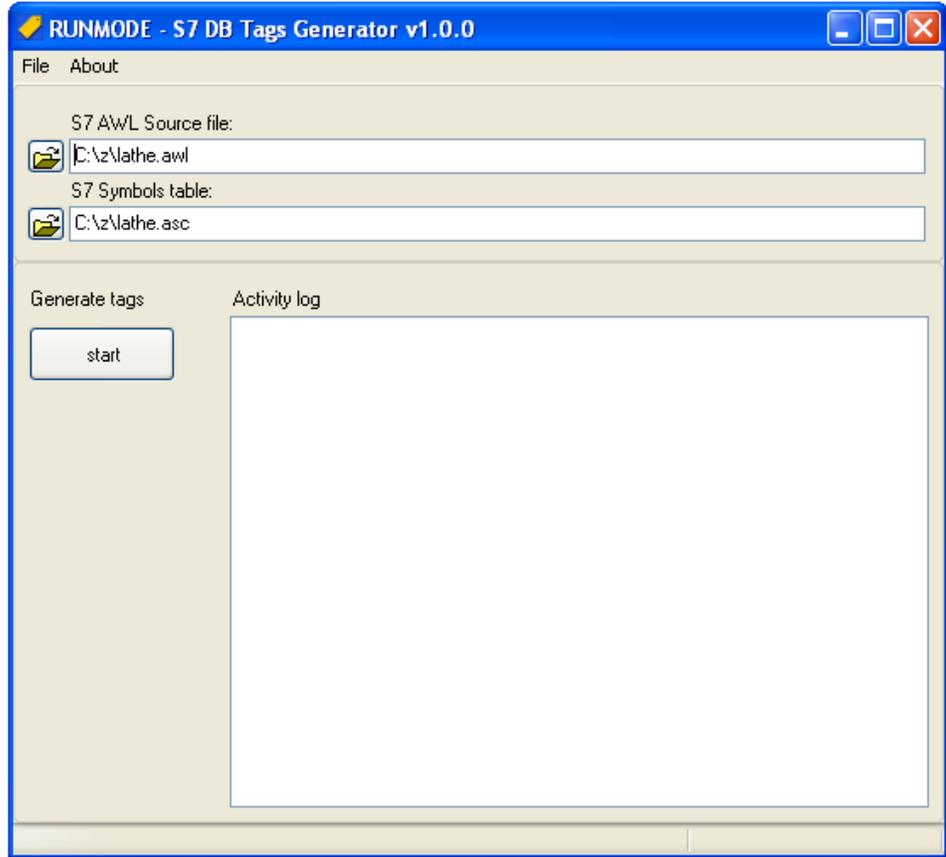
Open the Symbol Editor and use the menu “File | Symbol Table” to export the symbol table as ASC file (e.g. lathe.asc).



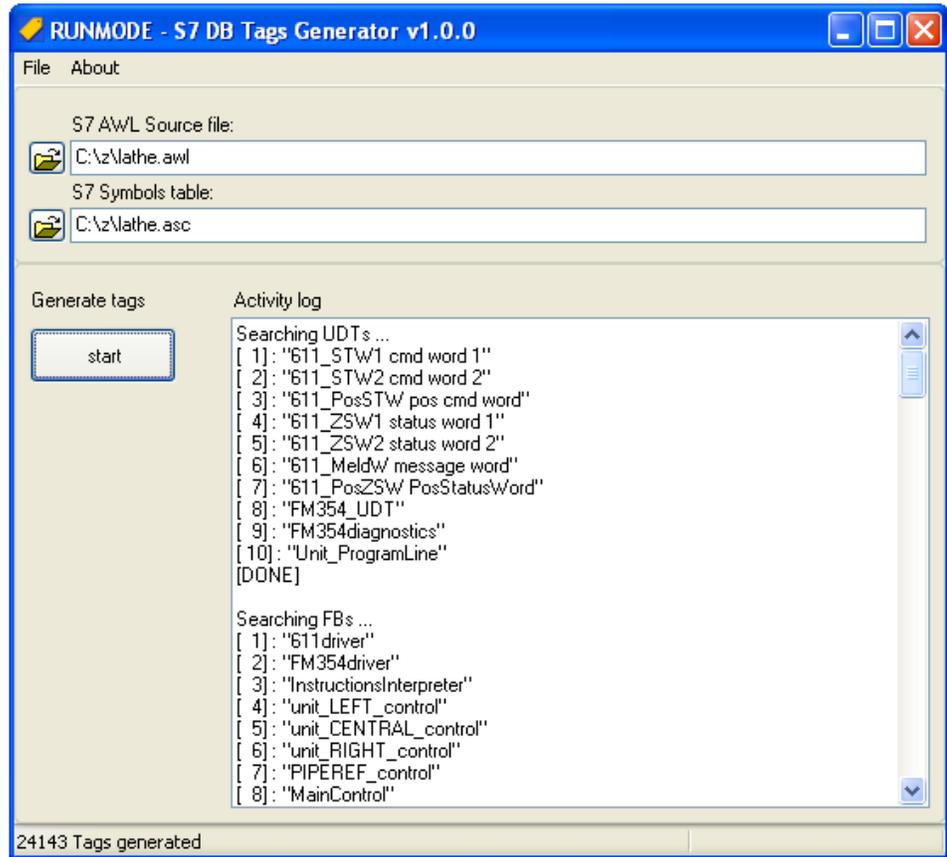
Running S7DBTAGS as GUI application

GUI stands for Graphical User Interface, in other words the common way people interact with Windows' applications.

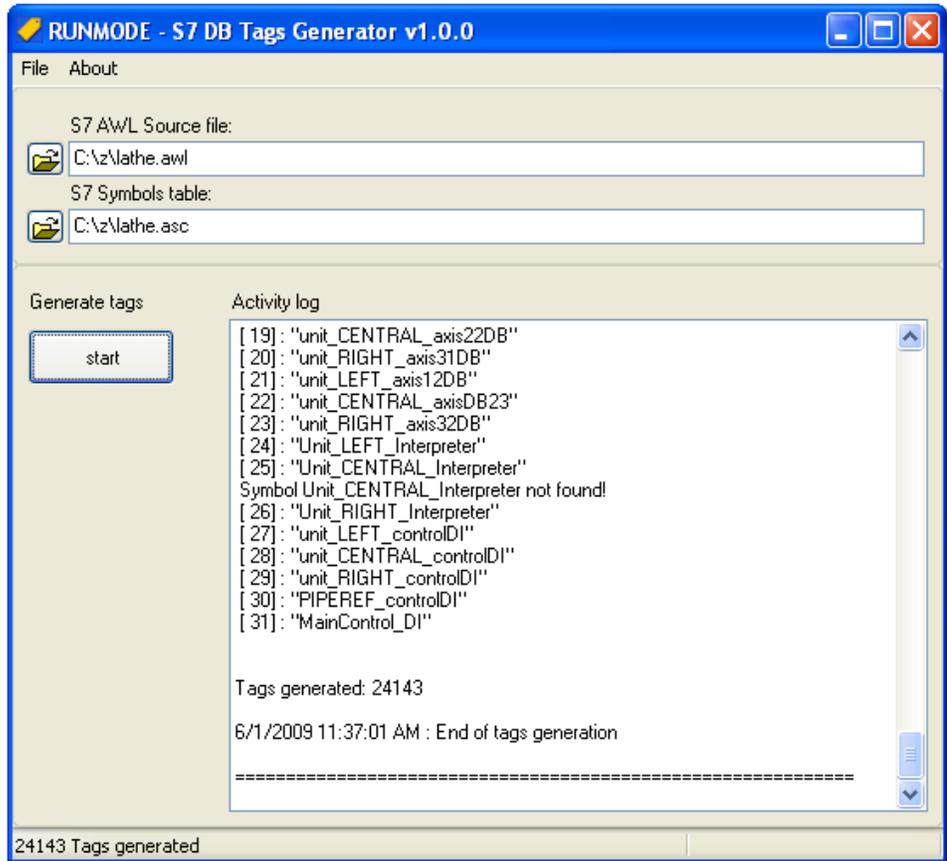
Run the S7 DB TAGS application and open the AWL and ASC files



Start the generation.
The process may take a while, according to the data quantity and structure complexity.



The program ends the process with the indication of the tags count. A log file is optionally generated.



Running S7DBTAGS as command line application

The S7DBTAGS can be run as command line application, thus allowing integration in user automated procedures. Once parameters are provided when calling the executable file, the program runs automatically as command line application.

Usage:

```
S7DBTAGS.EXE AWLsourcefile [ASCsymbolfile]
```

Example:

```
S7DBTAGS.EXE c:\z\lathe.awl c:\z\lathe.asc
```

The program generates both CSV and XLS files, then ends automatically.

The CSV separator character is defined in the options menu in the GUI version of the program: just run S7DBTAGS.EXE and set proper options.

Version history

Version 1.0.0

- First release

Author's notes

Please report any bug or suggestion to the author:

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