

FlexSpooler ProgramSuite 2019

FLEXIBLY CUSTOMIZABLE AND EXTENSIBLE SOLID EDGE™ BATCH AUTOMATION SOLUTIONS
FOR DEMANDING APPLICATIONS

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Solution Overview

The FlexSpooler ProgramSuite provides a complete, modular and highly configurable solution for **central, unattended batch processing** of Solid Edge documents via **Solid Edge automation**.

The advantages of this concept are:

- The designer is only briefly interrupted in his work in Solid Edge
- Storing the output files can be done with higher user rights than those of the designer
- Reduced administration costs
- Easy integration into existing environments and workflows (e.g. approval process)
- Reduction of comprehensive conversion and file storage functions at your fingertips
- Preliminary check of the data to be converted with notice and termination option
- Uniform presets being used, regardless of the last ones used at the designer's workstation

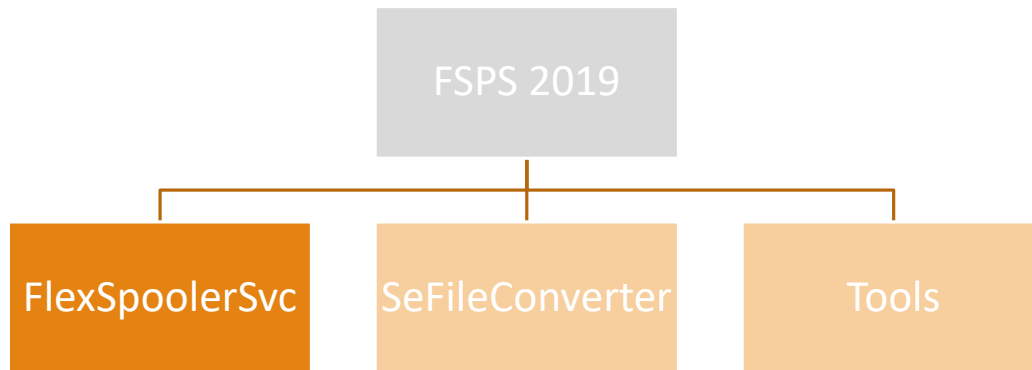
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Components Overview



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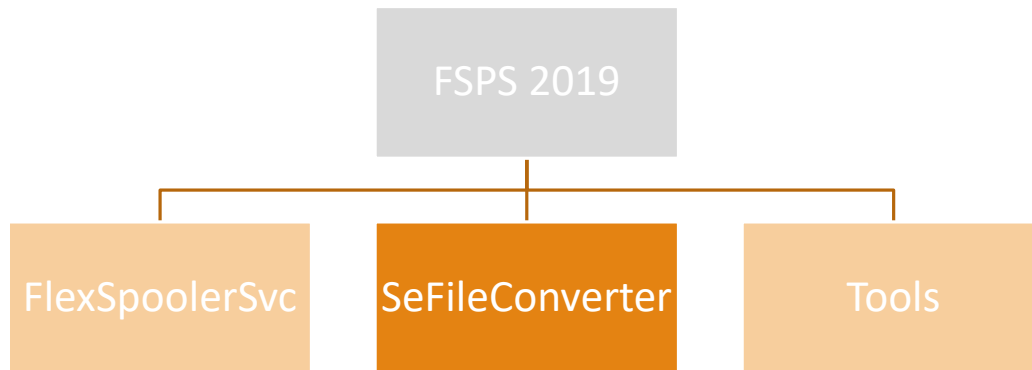
FlexSpoolerSvc

A Windows service application for monitoring intended directories for the arrival of certain types of files and the synchronous execution of a file-type-dependent action program for each found file according to the First In First Out (FIFO) principle.

Extensive log file, optionally in German or English (expandable with additional languages).

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Components Overview



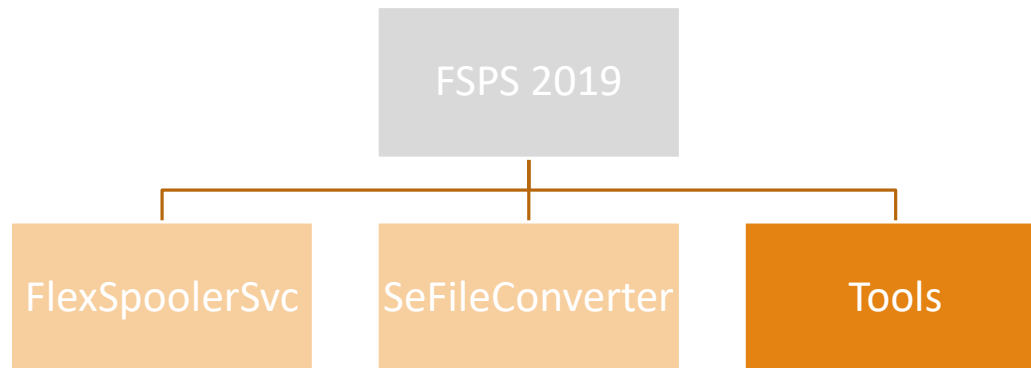
SeFileConverter

Action program to convert Solid Edge documents into supported neutral formats with a variety of pre-editing and post-editing capabilities, flexible dynamic target file naming, and filing of generated and possibly changed input files.

Extensive log file, optionally in German or English (expandable with additional languages).

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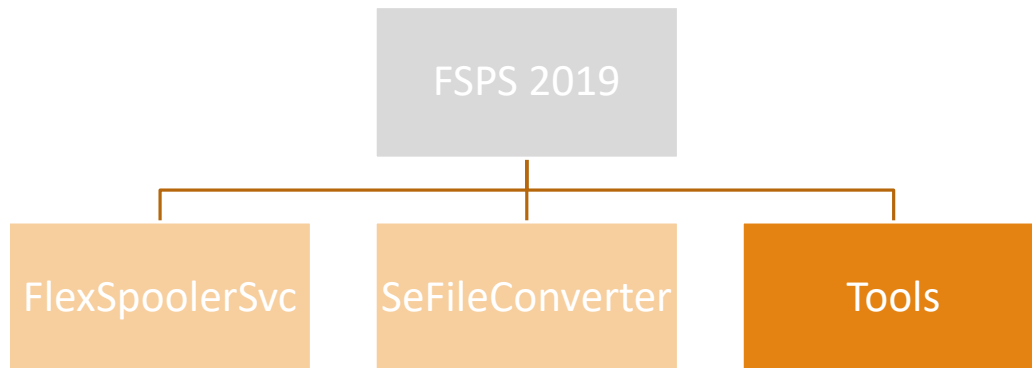


Tools

- FlexCheck
- SeFileHandler
- XLanguage
- XProof
- PLMS integration solutions

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Components Overview



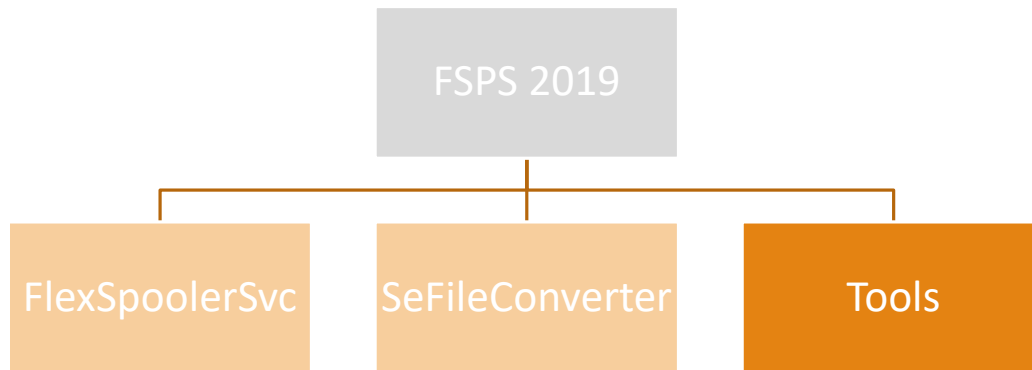
FlexCheck

An optional background process, automatically initiated by the FlexSpooler service, to monitor, resolve, and notify by email and / or Windows application log entry of detected issues such as:

- Missing required background processes
- Solid Edge automation blockade due to a temporary missing Solid Edge network license. Resolving by removing the blocking Solid Edge message dialog.
- Failed action programs

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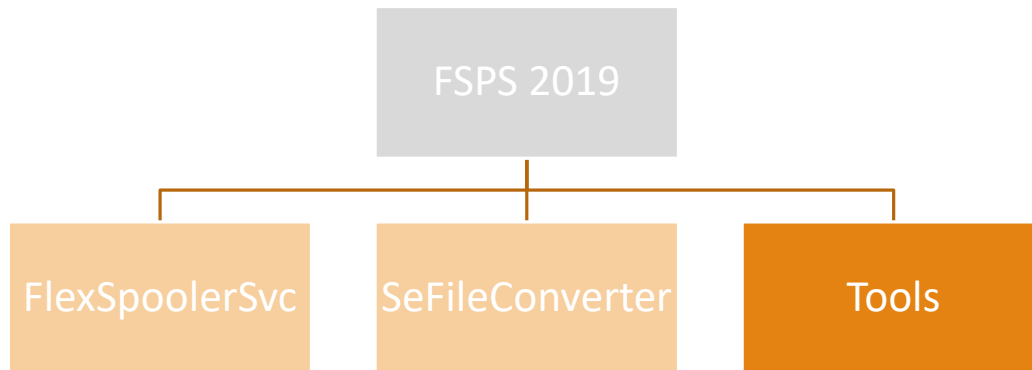


SeFileHandler

A Solid Edge automation program running on a designer's workstation that, after optional custom checks, temporarily transfers the active drawing document and optionally also its 3D model (including ASM structure) to the FlexSpooler server along with a job control file for the program SeFileConverter to initiate the desired conversions via the FlexSpooler service.

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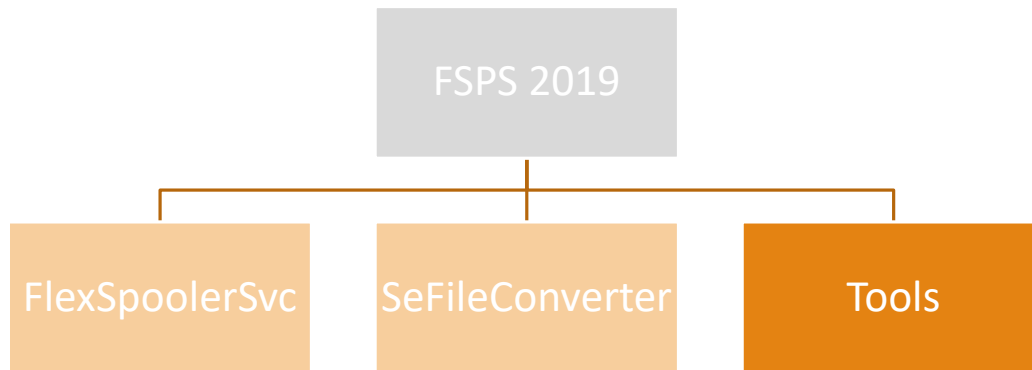


XLanguage

A Solid Edge automation program running on a designer's workstation or as action program that provides database-driven translation of Solid Edge drawing documents using a Unicode character set without the need for separate layers per language. In addition, the creation of overlapping-free drawing objects and non-translatable placeholders are visually supported. The database can be extended by the user by any number of languages, including the graphical user interface (GUI).

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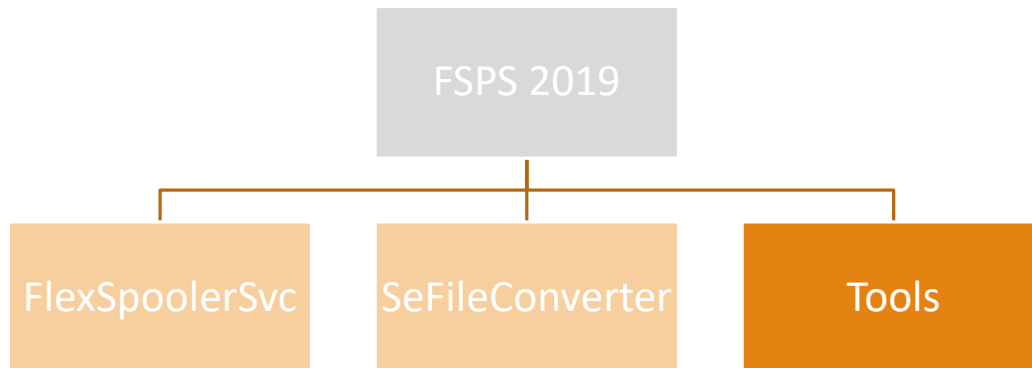


XProof

A Solid Edge automation program running on a designer's workstation or as action program that performs multiple checks on either the active Solid Edge document or all Solid Edge documents below a given directory, filtered by file type (each optionally recursive) and showing the results in a tabular format summarized in the user interface and / or in various log files and formats (.csv, .txt, .xls, .xlsx, .xml).

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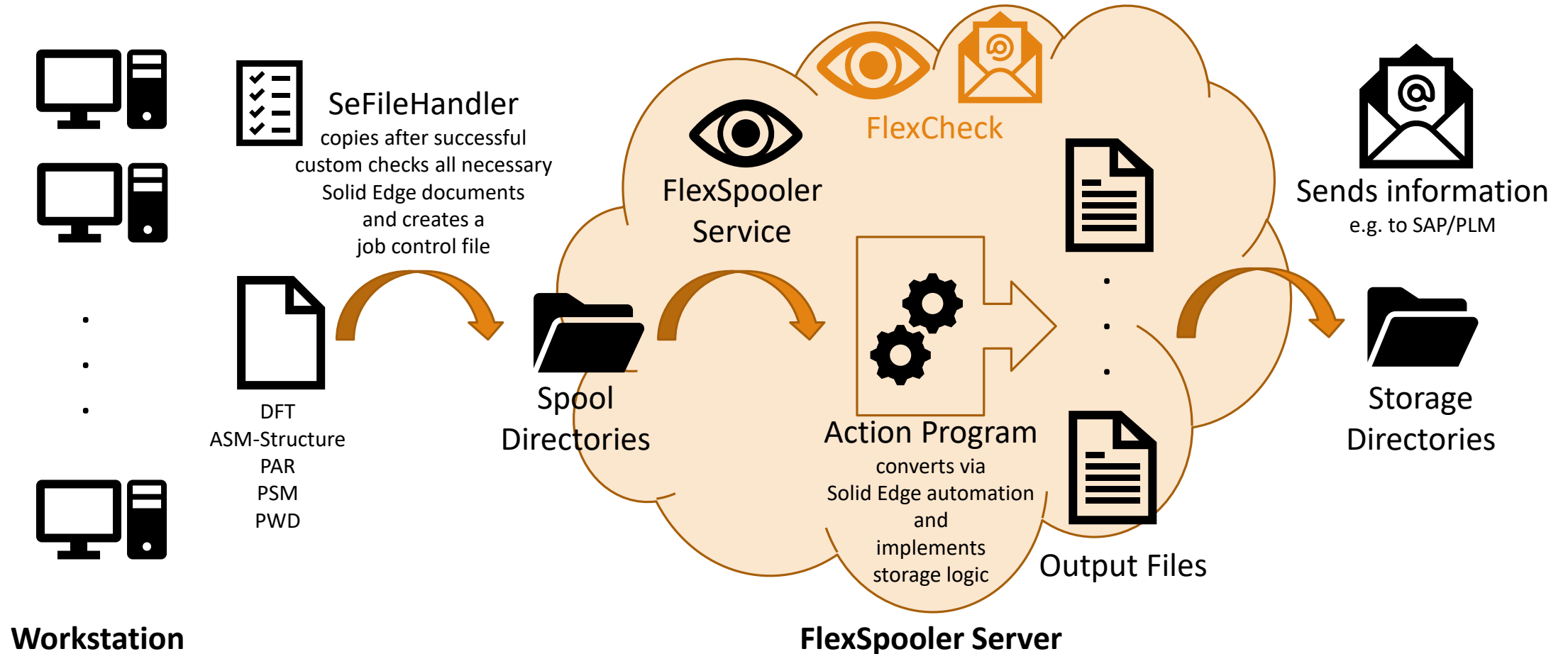
PLMS integration solutions

Solutions exist for Solid Edge Insight, Microsoft SharePoint, SAP PLM, SEAL Systems CAD conversion services and other Product Lifecycle Management Systems (PLMS):

- A SharePoint Event Handler solution for Solid Edge Insight or Microsoft SharePoint supports creating an unmanaged copy of a Solid Edge document or a job control file for the program SeFileConverter in a directory monitored by the FlexSpooler service.
- An e-mail and XML data file solution may provide file storage information including metadata to e.g. SAP PLM or other PLM systems.

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Sample Application Scenario 1



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Sample Application Scenario 2

