SAS® Document Conversion Server 15.4

SAS Document Conversion Server is a helper service that extracts plain text from file formats including PDF, Microsoft Office (DOC, DOCX, PPT, PPTX, XLS, XLSX), OpenOffice.org (ODT, ODP, ODS), and RTF, so that the text can be analyzed by SAS Text Miner. The Text Import node and the `tmfilter` macro communicate with SAS Document Conversion Server on TCP port 7111 by default.

On Windows platforms, SAS Document Conversion Server runs as a Windows service, and can be started and stopped via the Windows services control panel.

On UNIX platforms, SAS Document Conversion Server runs as a background process and can be started and stopped via the "start" and "stop" scripts in the directory `<SASHome>/SASTextAnalyticsDocumentConversion/15.4`. It will be started automatically when it is first installed, but must be restarted manually each time the machine is rebooted.

SAS Document Conversion Server has the following Java requirements:
* Java version 21 or newer
* 32-bit or 64-bit version of Java, depending on your operating system
* Java Runtime Environment (JRE) or the Java Development Kit (JDK)

The copy of JRE located under <SASHOME> in most deployments meets these requirements.

Note: On Windows, the copy of JRE under <SASHOME> is detected automatically. On UNIX, you must ensure that the Java bin directory is in the PATH environment variable.

Applying maintenance to an existing deployment

Until the release of SAS Text Miner 12.1, if you installed SAS Text Miner on a UNIX machine and wanted document conversion functionality, SAS Document Conversion Server had to be installed on a separate Windows machine. With the release of SAS Text Miner 12.1, SAS Document Conversion Server became available on UNIX.

When the SAS Deployment Wizard applies updates to an existing deployment on the UNIX machine where SAS Text Miner Server is installed, it automatically installs and starts SAS Document Conversion Server on its default port. If applying updates to a version of SAS Text Miner where the SAS Document Conversion server is installed on Windows, this version of SAS Document Conversion Server running on UNIX can now be used to replace the old version running on Windows.

Post-install steps to run SAS Document Conversion Server on UNIX

1. If you wish to use a different port than the default of 7111:

    a. Stop SAS Document Conversion Server via the `<SASHome>/SASTextAnalyticsDocumentConversion/15.4/stop` script.

    b. Edit the file `<SASHome>/SASTextAnalyticsDocumentConversion/15.4/document-conversion-server.port` and specify the new port number.

    c. Start SAS Document Conversion Server via the `<SASHome>/SASTextAnalyticsDocumentConversion/15.4/start` script.

2. Edit the file `sasv9.cfg`, located in the `SASFoundation` directory by default, by revising the `DCSHOST` and `DCSPORT` fields to reflect your UNIX host and port. Make sure the port number matches the one you specified in step 1.

3. If you previously installed SAS Document Conversion Server on Windows, you can uninstall it on that machine.

Uninstallation

SAS Document Conversion Server cannot be uninstalled through the SAS Deployment Manager. On Windows platforms, use the "add or remove programs" control panel. On UNIX platforms, run the `<SASHome>/SASTextAnalyticsDocumentConversion/15.4/uninstall.sh` script.

Upgrade-in-place Scenario

If you have performed an upgrade-in-place to upgrade an existing deployment's configuration to a newer version:

- On UNIX, uninstall.sh script should be called to remove the old version directory. This script resides in the <SASHome>/SASTextAnalyticsDocumentConversion/<old version> directory. Until the uninstaill.sh script is run, you will be able to start or stop the SAS Document Conversion Server from either the old version or latest version directories. Although it is possible to run with the old version of the SAS Document Conversion Server, it is recommended to remove the old version to ensure that you are running with the latest version of the SAS Document Conversion Server.

- On Windows, the SAS Document Conversion Server is installed as a Windows service, so the new installer will automatically uninstall the old version.