

EcoStruxure Building Operation

FTP SmartConnector

Installation & User Guide

29-2021-03-en
March 2021



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1 Functional Overview

The FTP SmartConnector processor can be used to transfer files from a Server or PC to a remote FTP Server.

The processor leverages the SmartConnector Service framework and details of the application (release history, installation notes etc.) are available separately and are not covered in this manual.

2 Restrictions & Limitations

2.1 SmartConnector Service Version

The processors have been configured to operate with the SmartConnector version 2.3 onwards, use with any other version of the SmartConnector framework is not supported.

3 Installation

Please refer to the SmartConnector Installation and Configuration Guide.pdf for guidance on SmartConnector installation.

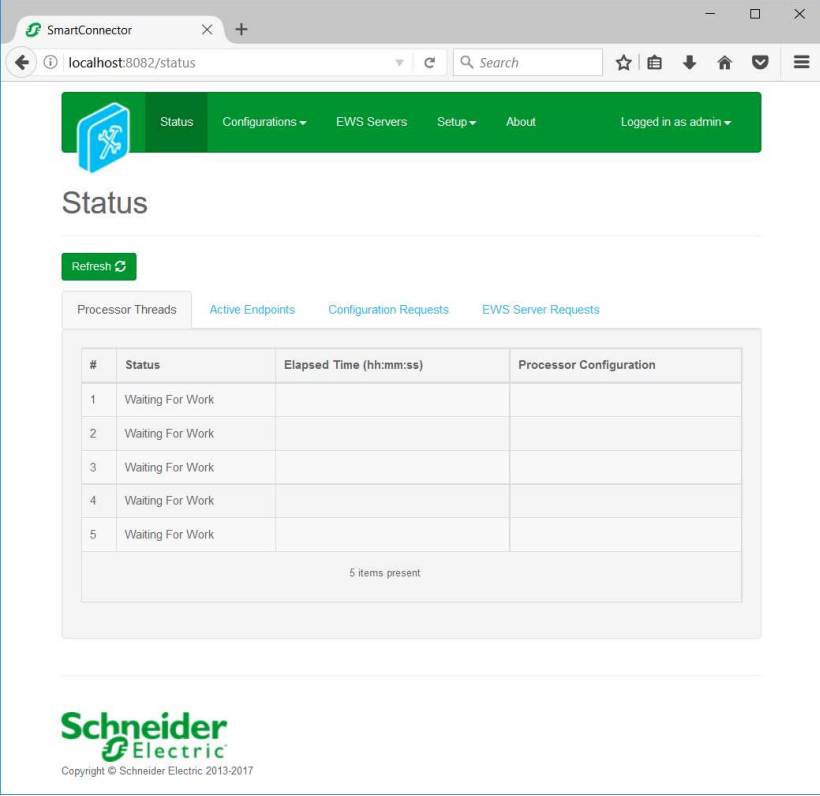
To deploy the FTP assembly copy the files “ISC.FtpFilesProcessor.dll” and “ISC.FTPTransfer.dll” into the service installation directory. Normally “C:\Program Files (x86)\Schneider Electric\SmartConnector”

4 Configuration & Settings

4.1 Processor Configuration

With a default installation of SmartConnector, the configuration pages for the server can be reached at the following address on the server the service has been installed on:

<http://localhost:8082/>



The screenshot shows the SmartConnector web interface in a browser window. The address bar displays `localhost:8082/status`. The navigation bar includes links for Status, Configurations, EWS Servers, Setup, and About, along with a user login indicator 'Logged in as admin'. The main content area is titled 'Status' and features a 'Refresh' button. Below this, there are tabs for 'Processor Threads', 'Active Endpoints', 'Configuration Requests', and 'EWS Server Requests'. The 'Processor Threads' tab is active, displaying a table with the following data:

#	Status	Elapsed Time (hh:mm:ss)	Processor Configuration
1	Waiting For Work		
2	Waiting For Work		
3	Waiting For Work		
4	Waiting For Work		
5	Waiting For Work		

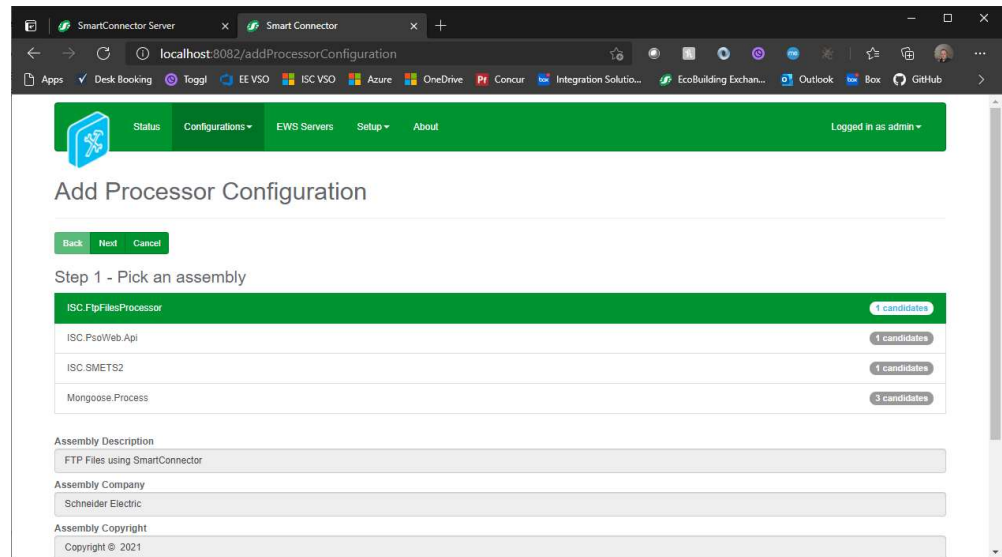
Below the table, it indicates '5 items present'. The footer of the page features the Schneider Electric logo and the text 'Copyright © Schneider Electric 2013-2017'.

4.2 Adding the Custom Assembly to the Service

Switch to the Configurations tab and select Add New +

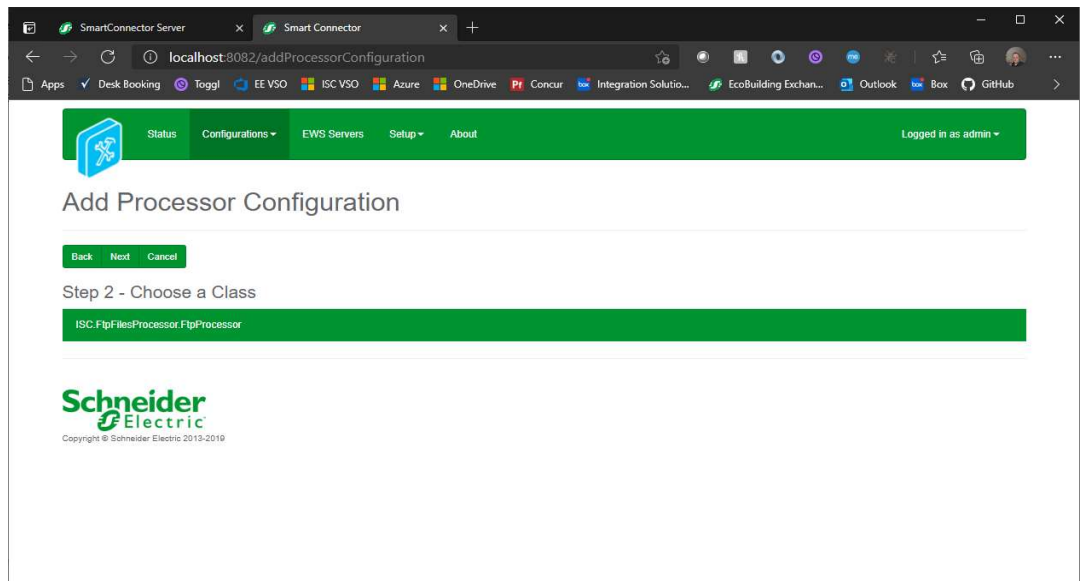


At the Add Configuration window, Step 1 – Pick an assembly, select the reference to ISC.FtpFilesProcessor (this will be highlighted green when selected)



Select Next and proceed to Step 2 Choose a Class

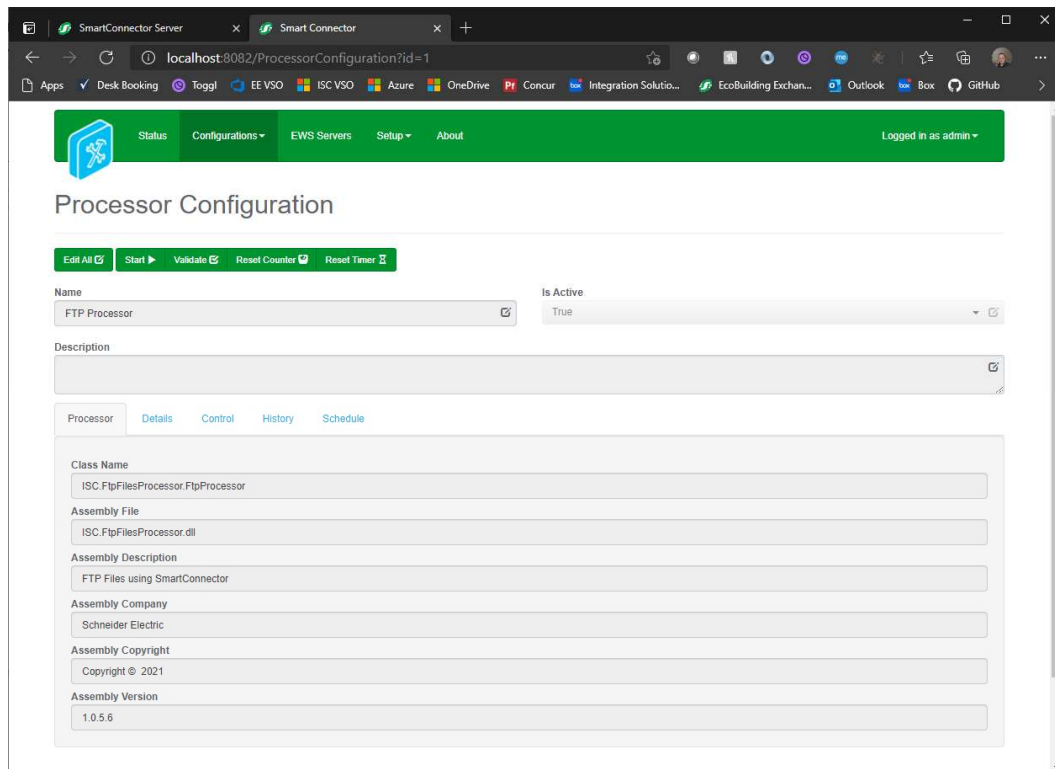
Ensure the class ISC.FtpFilesProcessor.FtpProcessor is selected first



Select Next and proceed to Step 3 Name Configuration

Enter a meaningful name and description for the Processor which will enable you to identify this process in the configuration window later.

Select Finish and proceed to the Configuration screen.



In the configuration window select the Details Tab, you will then be presented with the screen to enter the configuration information. Much of the configuration has default options however they should be checked and validated for the installation. Edit the applicable fields as follows.

FTP Server Address

The destination of the FTP Server – this should be in the form of “ftp://myaddress.com/”

Username

The username to access the remote FTP Server.

Password

The password to access the remote FTP Server.

Use Active

Set the transfer and connection mode to the FTP Server as “Active”.

Use Binary

Transfer data to the FTP Server using Binary.

Archive Base Folder

The location of where successfully transferred files will be moved to. This is kept as an archive in case data needs to be manually re-transferred at a later date.

Upload Directories

Upload Directories allows you to set a list of Base Directories where the FTP Processor will search for new files. These files will be transferred to the FTP Server.

In the configuration window select the Control Tab, you will then be presented with several options to define the Processor's default behavior. It is recommended to set the following;

Runs On Start – Yes (To enable the Processor to automatically start with the machine)

Runs On Schedule – Yes (Although this processor should never terminate, attaching a short cycling schedule will ensure that if it stops unexpectedly, it will attempt to auto restart on the schedule.)

Manually Startable – Yes (To allow a user to start through the configuration window)

Manually Stoppable - Yes

The Save Button allows the process configuration to be saved to the database.



5 Revision History

Version	Assembly File Details	Date
1.0.5.6	ISC.FtpFilesProcessor.dll	29 th March 2021
1.0.5.6	ISC.FTPTransfer.dll	29 th March 2021

Assembly files required:

ISC.FtpFilesProcessor.dll

ISC.FTPTransfer.dll

6 References

SmartConnector Installation and Configuration Guide.pdf
(TDS-M-INSTALLCONFIG-US.BU.N.EN.12.2017.2.30.CC)

SmartConnector Version 2.2 Release Notes.pdf
(TDS-M-RELEASENOTES-US.BU.N.EN.12.2017.2.30.CC)

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