

EcoStruxure Building Operation

RMS Integration

SmartConnector

Installation & User Guide

04-20018-02-en
December 2019



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1 Functional Overview

The RMS PMS system interface is a middleware application that enables communication between RMS applications with EcoStruxure Building Operation via EcoStruxure Web Services (EWS). Each room in the PMS is represented in the EcoStruxure Building Operation model of the PMS. PMS attributes configured in the interface may be used to implement custom sequences. A multi-state value indicates the number of nights a person has booked the room for as well as information for the guest name, expected arrival date and expected departure date. The interface can fully represent items in the PMS system with data synchronization between the two systems. This ensures the SmartConnector database is maintained and kept up to date without any user intervention.

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.

The SmartConnector application is licensed on a single server basis but may also be configured to connect to both Automation Server (AS-P) devices as well as Enterprise Servers (ES).

2 Restrictions & Limitations

2.1 SmartConnector Service Version

The processors have been configured to operate with the SmartConnector version 2.4, use with any other version of the SmartConnector framework is not supported.

2.2 EWS Supported Systems

The processors can support EcoStruxure systems operating with the EcoStruxure Web Services (EWS) protocol v1.1 and v1.2.

2.3 RMS Supported System

The SmartConnector has been tested and validated against the RMS Interface Application Specification v1

Other versions may cause issues and are not supported. Please check with your supplier.

3 Installation

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

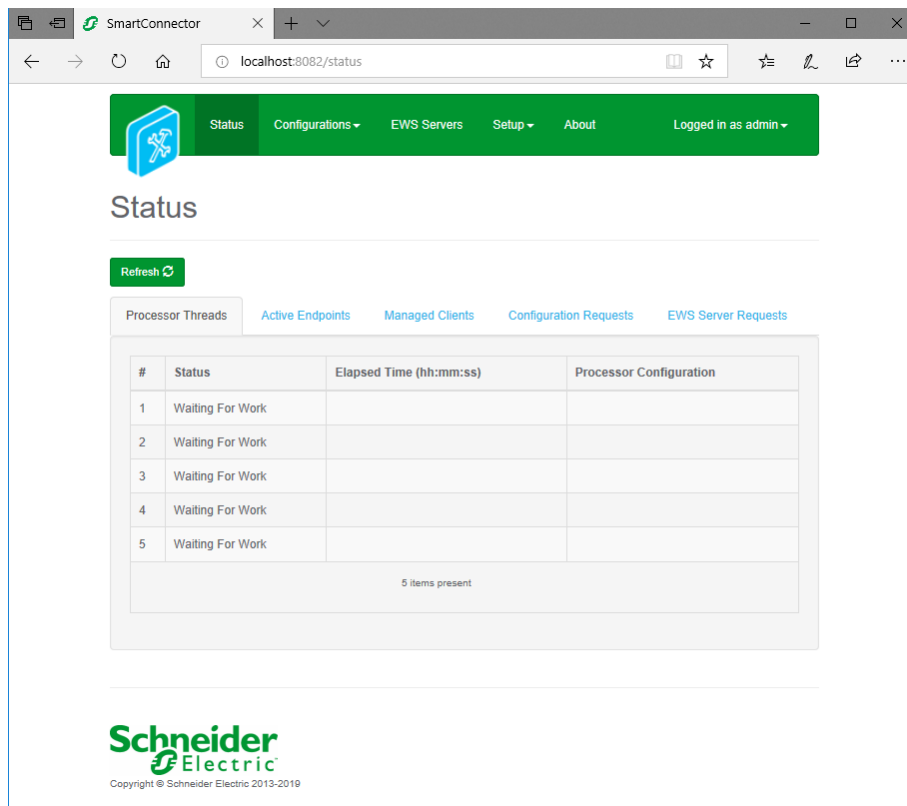
To deploy the RMS assembly copy the files “ISC.RMS-PMS.dll”, “SmartConnector.Utilities.dll” and “shortid.dll” into the service installation directory. Normally “C:\Program Files (x86)\Schneider Electric\SmartConnector”

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 a web browser window with the URL `localhost:8082/status`. The application has a green navigation bar with the following items: Status, Configurations, EWS Servers, Setup, About, and Logged in as admin. Below the navigation bar, the page title is "Status". There is a "Refresh" button and a set of tabs: Processor Threads (selected), Active Endpoints, Managed Clients, Configuration Requests, and EWS Server Requests. The main content area contains 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		

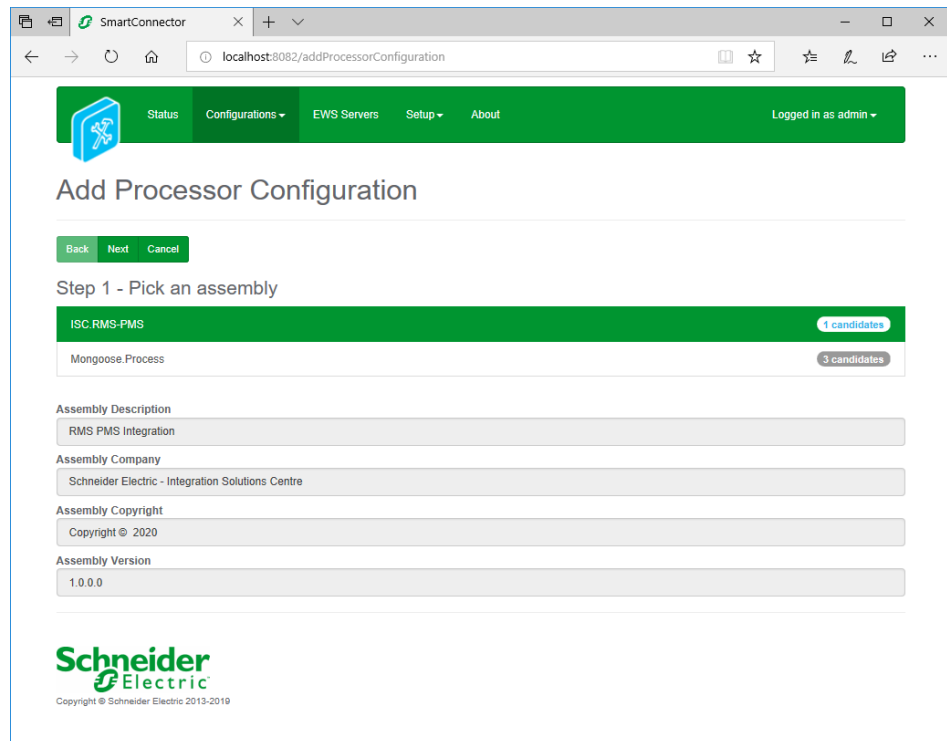
Below the table, it says "5 items present". At the bottom of the page, there is the Schneider Electric logo and the text "Copyright © Schneider Electric 2013-2019".

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.RMS-PMS (this will be highlighted green when selected)



Select Next and proceed to Step 2 Choose a Class

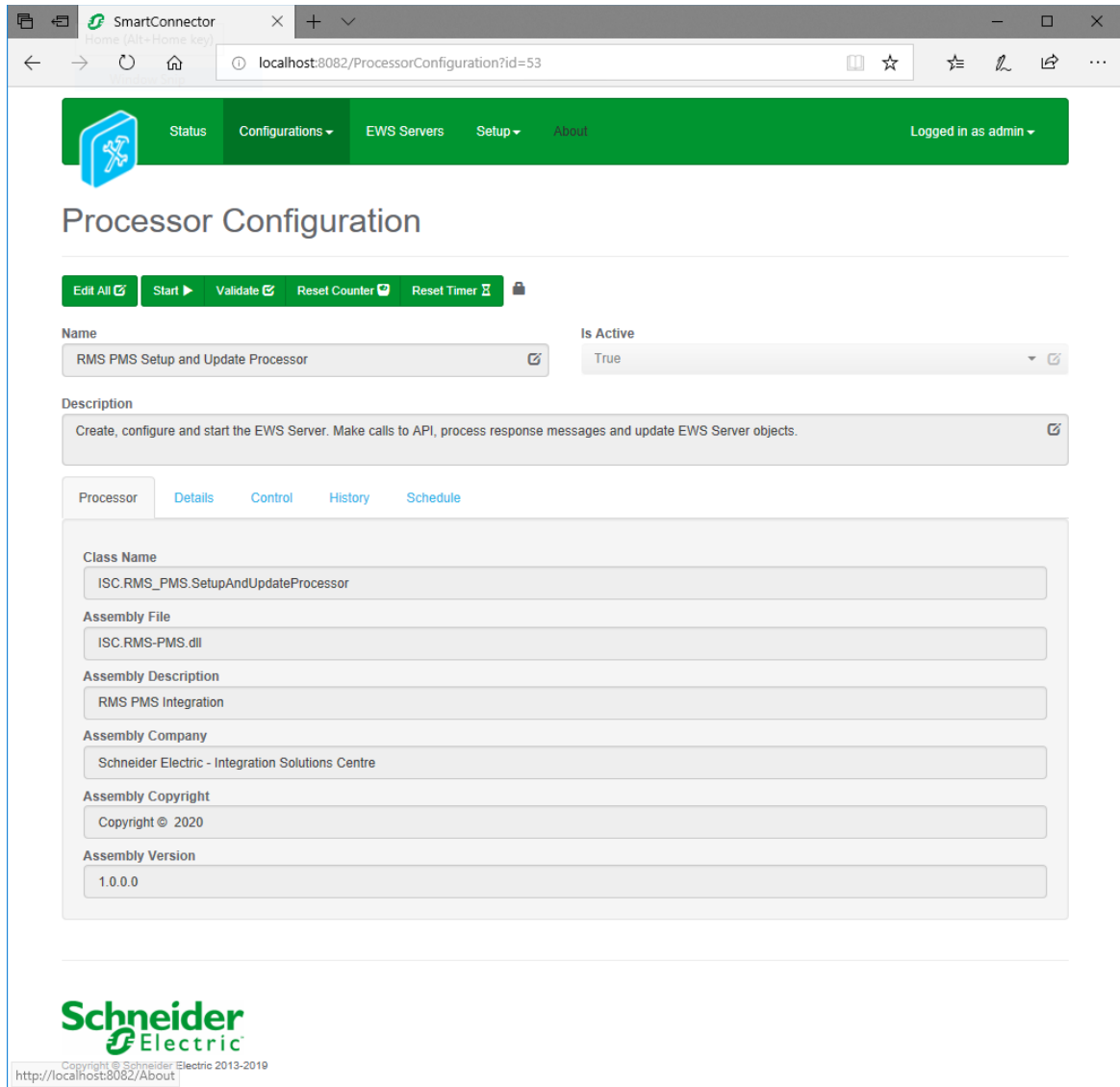
Ensure the class `ISC.RMS_PMS.SetupAndUpdateProcessor` is selected first

`ISC.RMS_PMS.SetupAndUpdateProcessor`

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.

Client Id

This property should be set to the Client Id you are provided with.

Client Secret

This property should be set to the Client Secret you are provided with, which is associated to the Client Id above.

Hotel Code

This property should be set to the property ID in RMS.

Terminal Id

This property should be set to the unique Terminal Id you are provided with.

Ews Server Name

This property is just a friendly text name field to allow you to easily identify the specific Endpoint you are configuring.

User Name

This property is required to allow the EWS server connection to be authenticated.

Password

As above, this is the password related to the user credentials.

Server Address

This property is should be set to the full address required to access the EWS Server being hosted. This is normally in the case of a EcoStruxure ES or AS device as follows:

[http://<IPADDRESS>:<PORT\(8090\)>/EcoStruxure/DataExchange](http://<IPADDRESS>:<PORT(8090)>/EcoStruxure/DataExchange)

***Note that the address is case sensitive!**

Room List Id

This property is a list of rooms which contains room items. **Room Id** should be set to full Room Id which consists of 2 parts, room Id (e.g. 1707) and property code (e.g. ARPS).

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 (Attach a short cycling schedule to update EWS server values.)
- 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.



A complete configuration will appear as follows:

Expand All Collapse All

Details

Client Id *
~ Encrypted ~

Client Secret *
~ Encrypted ~

Hotel Code *
11

Terminal Id *

Ews Server Name *
RMS Server

User Name *
admin

Password *
~ Encrypted ~

Server Address *
http://localhost:8090/EcoStruxure/DataExchange

Data Adapter

Room List Id +

Item

Room Id *
1707 ARPS

Item

Room Id *
1708 ARPS

Once the SmartConnector EWS Server Interface has been hosted in EcoStruxure Building Operation, rooms will be displayed as follows:

The screenshot displays the SmartConnector EWS Server Interface. On the left, the 'System Tree' shows a hierarchical structure: 'RMS PMS Server' > 'RMS Server' > '1707 ARPS'. Under '1707 ARPS', there are four sub-items: 'GuestArrival', 'GuestDeparture', 'GuestFullName', and 'NumberOfNights'. Below the tree, a table displays the data for the selected room. The table has three columns: 'Name', 'Description', and 'Value'. The data rows are as follows:

Name	Description	Value
GuestArrival	GuestArrival	24/07/2019 01:00:00
GuestDeparture	GuestDeparture	25/07/2019 01:00:00
GuestFullName	GuestFullName	Sims! William!
NumberOfNights	NumberOfNights	1

5 Revision History

Version	Assembly File Details	Date
1.0.0.2	ISC.RMS-PMS.dll	13 th Nov 2020
1.0.0.7268	SmartConnector.Utilities.dll	13 th Nov 2020
2.0.1.0	shortid.dll	13 th Nov 2020

Assembly files required:

ISC.RMS-PMS.dll
SmartConnector.Utilities.dll
shortid.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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