

The REUSE Company

RAT for Web: Installation Guide

By The REUSE Company

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RAT FOR WEB: INSTALLATION GUIDE

The REUSE Company

2026 Edition



RAT FOR WEB: INSTALLATION GUIDE

Extracted from Requirements Authoring Tool: RAT for Web

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This document has been extracted from the last available version of *Requirements Authoring Tool: RAT for Web*.

1 Prerequisites

You will need Internet Information Services (IIS).

To install ISS on Windows if you are using Windows x64 or x86, open Windows Features. You can find it by typing "Turn Windows features on or off" on the Windows search bar.

Check the following folders and click OK. In case a reboot is needed a window will appear and ask for it.

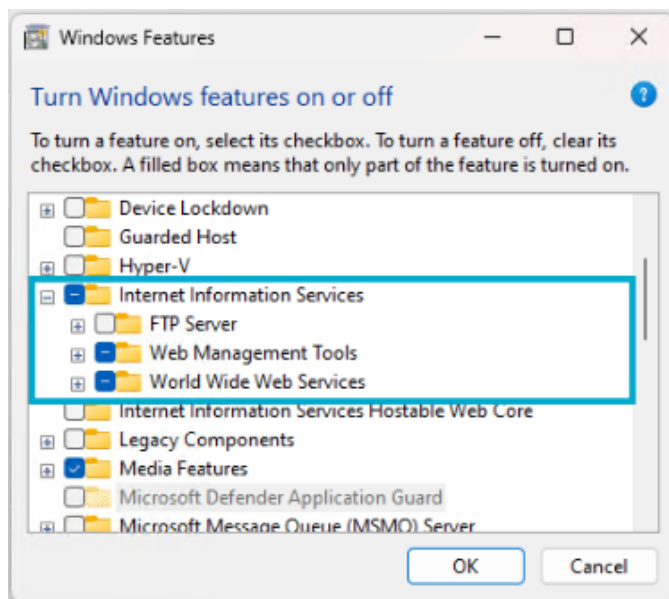


FIGURE 1

In case you want IIS to **run RAT API under Windows authentication** you will need to enable it by going to **Windows Features** as you did in the first step.

Then check the following folder and click OK. You will need to **reboot** your PC to update the changes.

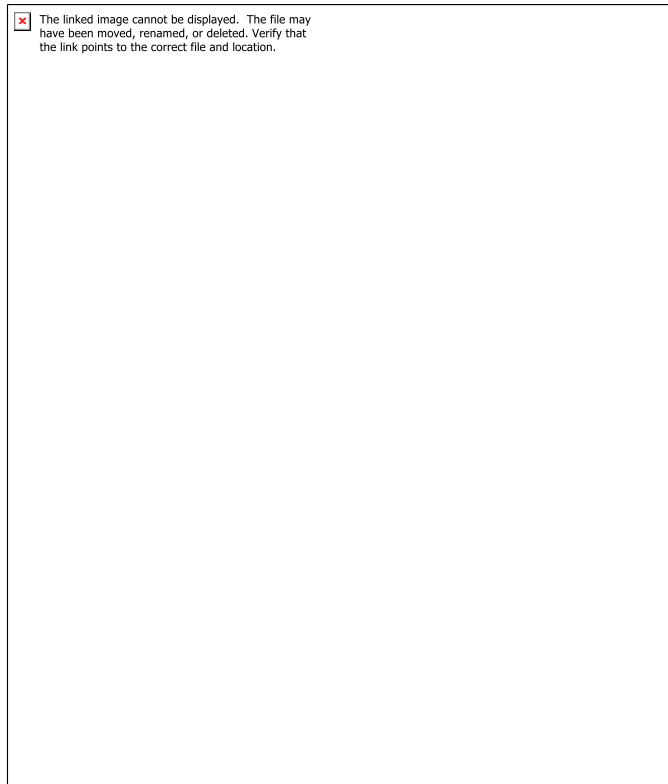


FIGURE 2

- .NET 8 Hosting Bundle 8.0.20
- ASP.NET 8 Core Runtime 8.0.20
- .NET Runtime 8.0.20
- .NET Desktop Runtime 8.0.20

Depending on your SO environment, you must install the correct runtime:

- You can download .NET 8 Hosting Bundle 8.0.20 from the official [Microsoft's website](#).
- If you use Windows x86 : You can download ASP.NET 8 Core Runtime 8.0.20 from the official [Microsoft's website](#).
- If you use Windows x64 : You can download ASP.NET 8 Core Runtime 8.0.20 from the official [Microsoft's website](#).
- If you use Windows x86 : You can download .NET Runtime 8.0.20 from the official [Microsoft's website](#).
- If you use Windows x64 : You can download .NET Runtime 8.0.20 from the official [Microsoft's website](#).

- If you use Windows x86 : You can download .NET Desktop Runtime 8.0.20 from the official [Microsoft's website](#).
- If you use Windows x64 : You can download .NET Desktop Runtime 8.0.20 from the official [Microsoft's website](#).

2 Installing the Software

NOTE: once RAT API is installed, it is needed to configure SES Server (see Appendix: Configuring SES)

Unload the document RatApiSetup-x32.exe or RatApiSetup-x64.exe and execute it to prepare the computer.

- *Select Setup Language:* in this first window you can select the language of the installation wizard by choosing between English and Spanish.

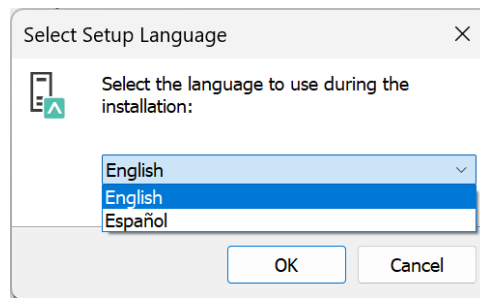


FIGURE 3

- *License Agreement:* this window will show the license agreement you will need to accept if you want to use the application. Please read it carefully before accepting it, then select the first option below the text and then click on the *Next* button. However, if you do not agree just click on the *Cancel* button, it will force finish the installation wizard and it won't install the application.

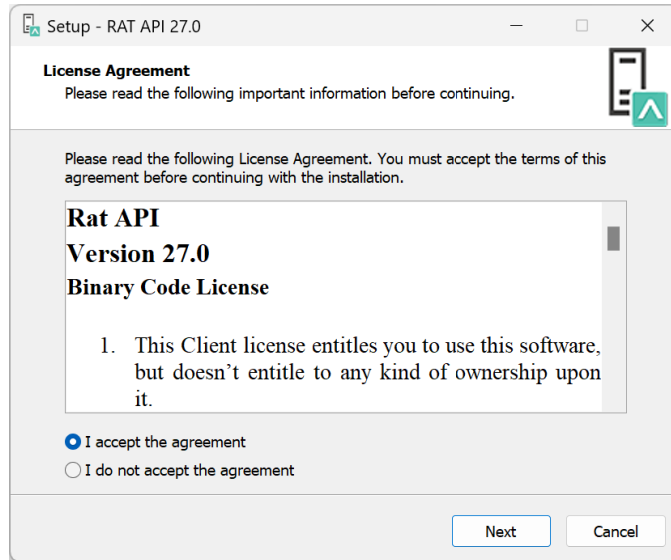


FIGURE 4

- *Component selection:* Use this window to select the components you want to install: RAT API, RAT Excel Addin and/or RAT Word Addin. This options will activate or not the next three windows. When selected, click on the *Next* button.

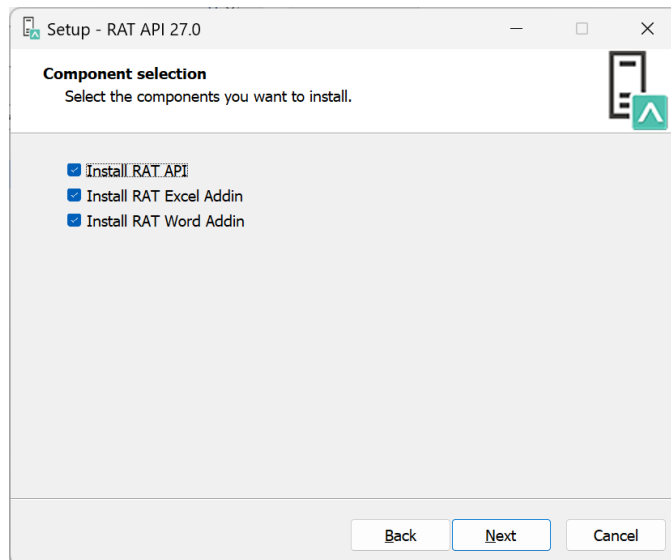


FIGURE 5

- *Web service setup:* This appears when the *Install RAT API* option is selected in the *Component selection* window (see Figure 5).

Here, you must include the web service name and port (9000 is recommended). Contact your administrator for information about them, if needed.

You can also optionally set here the use of https, the Windows Authentication, and Elasticsearch as Log System. Contact your administrator for indications about them, if needed.

When these fields are completed, click on the *Next* button.

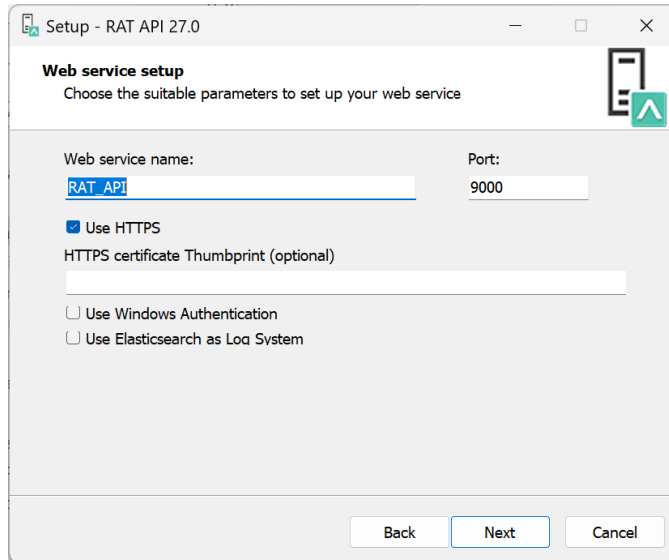


FIGURE 6

- *RAT Excel Addin service setup*: This appears when the *Install RAT Excel Addin* option is selected in the *Component selection* window (see Figure 5).

Here, you must include the RAT Excel Addin service name and port (9001 is recommended). Contact your administrator for information about them, if needed.

You can also optionally set here the use of https and set the https certificate thumbprint.

When these fields are completed, click on the *Next* button.

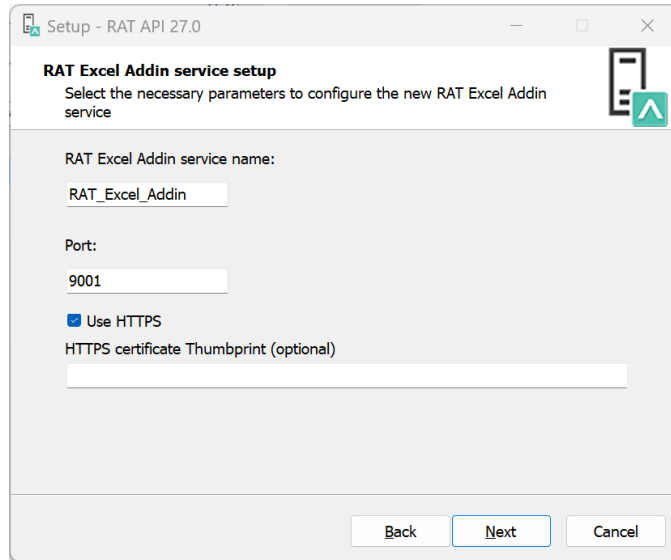


FIGURE 7

- *RAT Word Addin service setup*: This appears when the *Install RAT Word Addin* option is selected in the *Component selection* window (see Figure 5).

Here, you must include the RAT Word Addin service name and port (9002 is recommended). Contact your administrator for information about them, if needed.

You can also optionally set here the use of https and set the https certificate thumbprint.

When these fields are completed, click on the *Next* button.

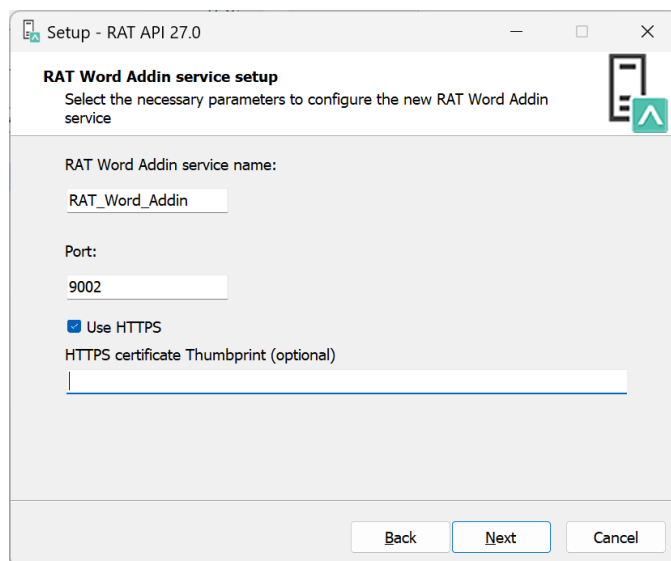


FIGURE 8

- *Application Pool setup:* You must write the suitable parameters: Username and password.

"ApplicationPoolIdentity" is the default user used by Windows. These parameters should only be modified if the system administrator rules that this method cannot be used, and different credentials must be provided.

When these fields are completed, click on the *Next* button.

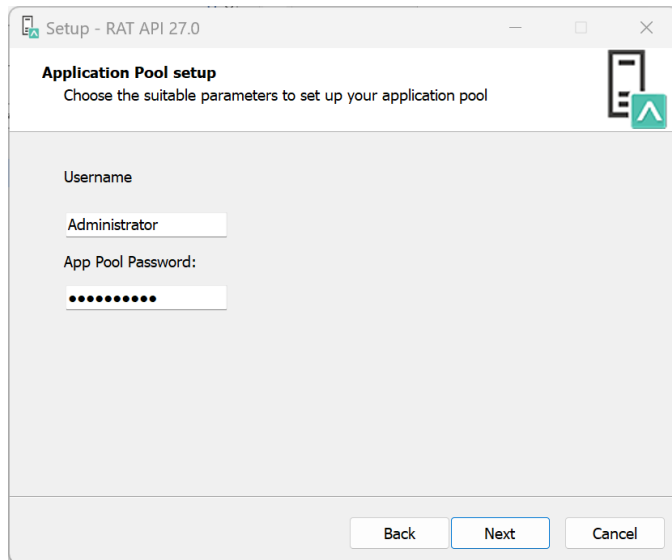


FIGURE 9

- *License Server Configuration:* You must complete this information to connect to the License Server. This information can be modified later. Ask your administrator for indications, if needed.
- When these fields are completed, click on the *Next* button.

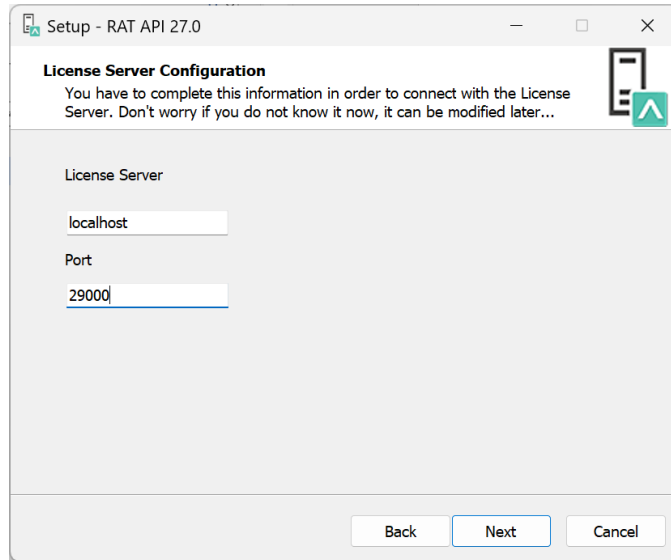


FIGURE 10

- **Cake Settings Configuration:** In this window, “Cake” is an internal codename for a database. This information has been set when you have previously created the connection using the SES Server. Copy here all the parameters previously used. Also, select the database type. Ask you administrator for indications, if needed.

When these fields are completed, click on the *Next* button.

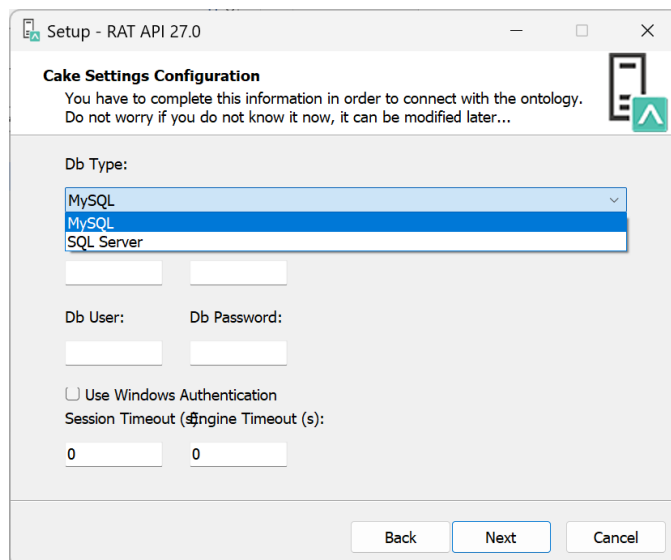


FIGURE 11

- **Select Destination Location:** in this window you can select the location where the application is going to be installed. By default, it will be suggested to install the

application in your “Program files” folder under the folder “The REUSE Company” and the subfolder with the name of the API. But you can choose any other destination, either by typing it in the textbox or by clicking on the *Browse* button on the right-hand side of the location textbox and navigating through your computer storage system to find the suitable location for it.

When this field is completed, click on the *Next* button.

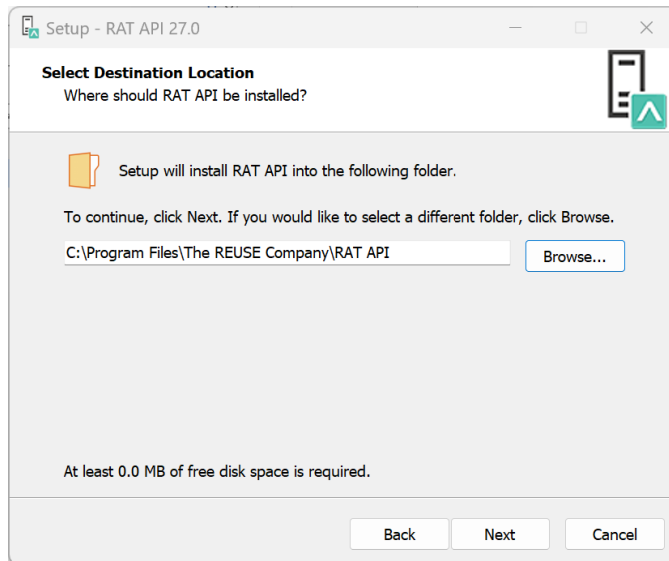


FIGURE 12

- *Ready to Install*: this is the last step before installing the application on your system. It holds a description of the parameters compiled through this installation wizard. If one or more of the parameters is not right for your installation, just click *Back* repetitively until you reach the step to reconfigure your selections. When all the parameters are correct, just click on *Install*.

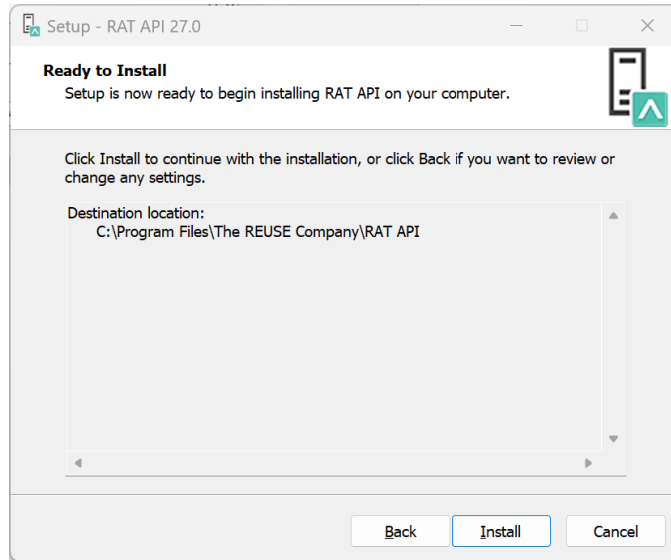


FIGURE 13

- **Installing:** In this window you don't have to do anything but wait until the installation is completed. Just in case you have to cancel the installation, click on the *Cancel* button. Otherwise wait until the process is finished and the wizard will move automatically to the next step.

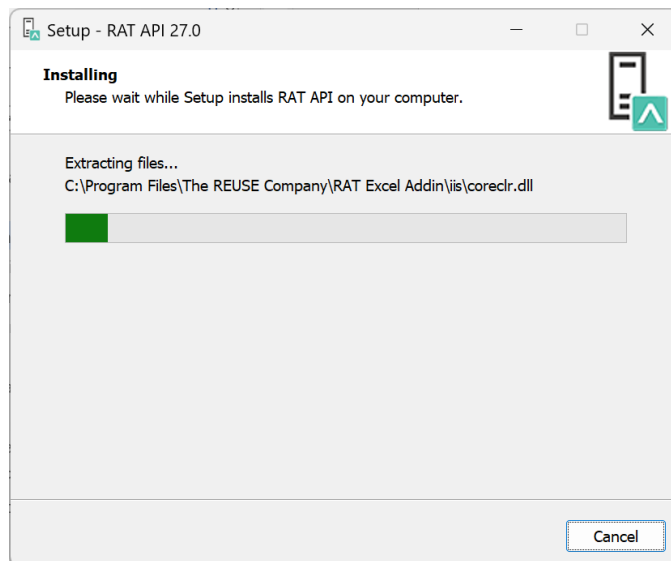


FIGURE 14

- **Completing the RAT API Setup Wizard:** This window appears in order to notify you when the installation has finished successfully. Just click on the *Finish* button and you will have finished installing the application.

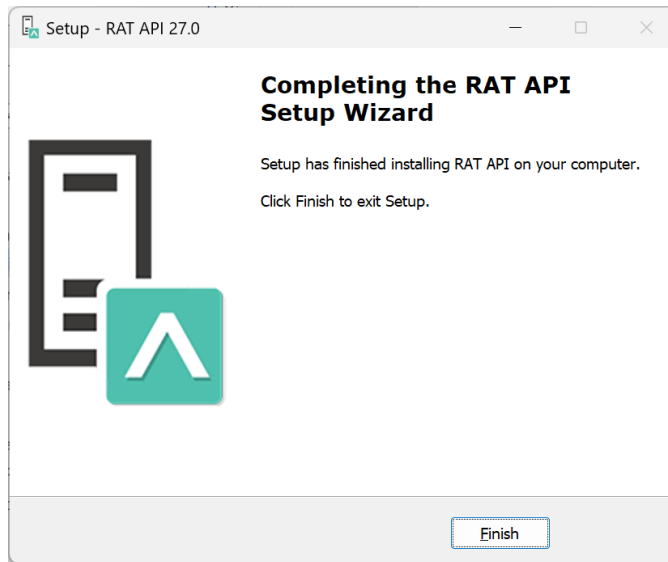


FIGURE 15

3 Installing the Extension

After installing the software, you can proceed to install the extension.

First, access the Chrome Web Store, using your preferred navigator. There, you must find the Requirements Authoring Tool.

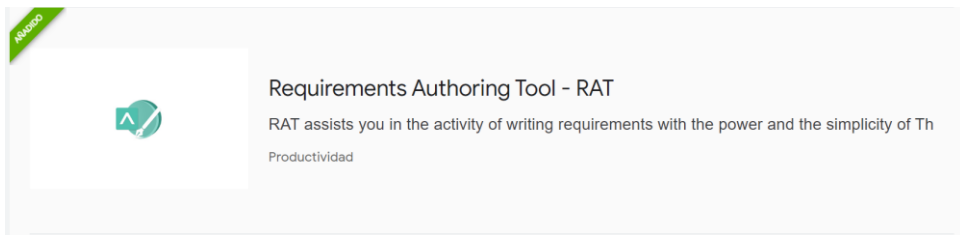


FIGURE 16

Click on it to begin the installation of the tool.

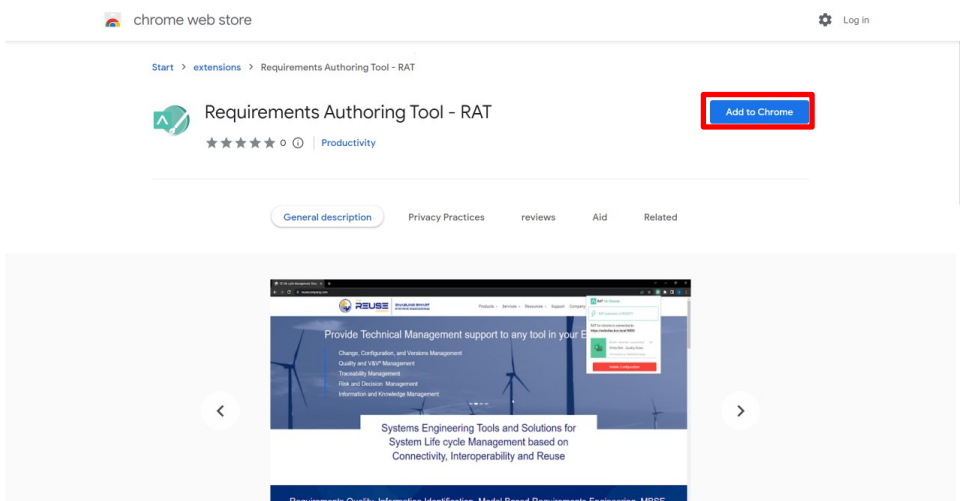


FIGURE 17

Now, click on *Add to Chrome* (highlighted) to install the tool.

After the installation, click on the Extensions icon (on the upper-right part of the window).

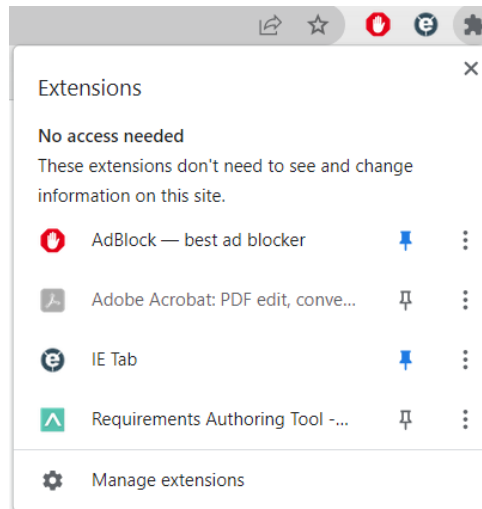


FIGURE 18

Select the Requirements Authoring Tool – RAT tack to fix the icon on the navigator window.

Now, you must configure the tool. Click on the icon we have just made appear.

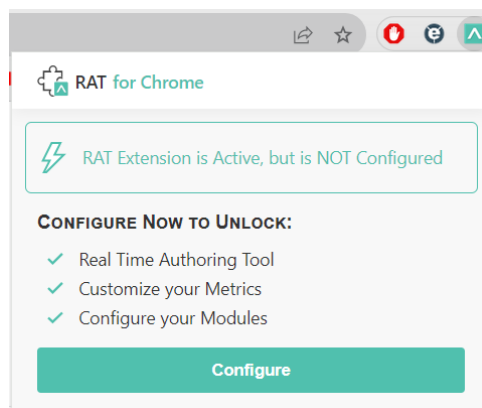


FIGURE 19

Click on *Configure*.

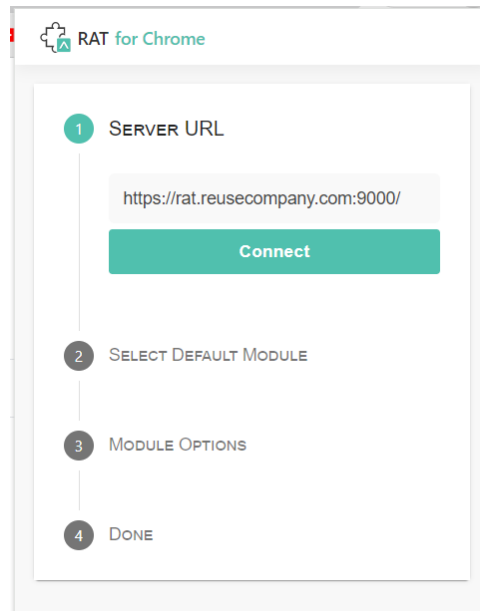


FIGURE 20

Introduce the URL configured for the RAT API Web Service, provided by your administrator.

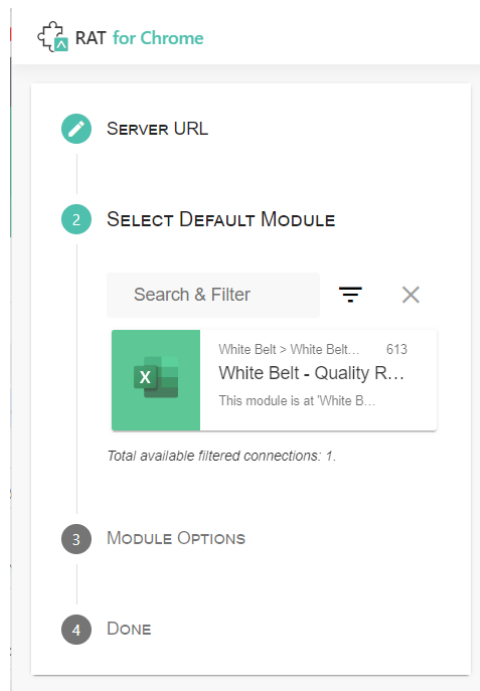


FIGURE 21

Here, you must select the module you are going to use to assess the quality of your requirements. The different modules are managed using the Engineering Studio. (See *Installing Excel and Word Addins*)

In order to activate the MS Excel and MS Word addins, go to the *Home* menu of the MS Office tool and click on the *Add-ins* button (highlighted).

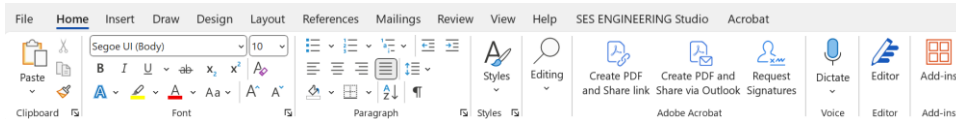


FIGURE 23

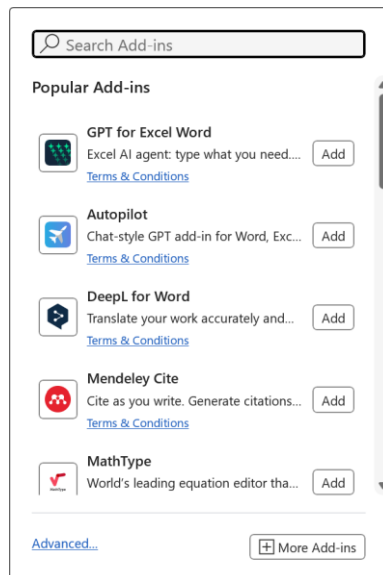


FIGURE 24

This is going to show a list of the available add-ins. Click on the *Advanced...* option (highlighted).

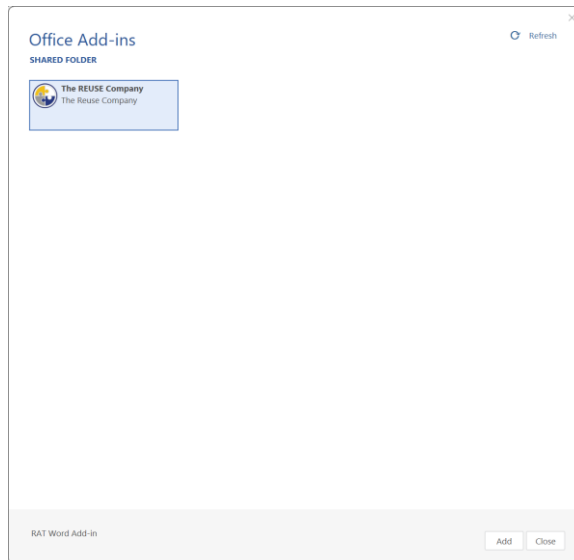


FIGURE 25

Click on the “The REUSE Company” option and then on *Add*. This is going to create a new button in the menu.



RAT

The Reuse Company

FIGURE 26

From here, you can access the RAT option in the Office tool.

Appendix: Configuring SES to enable modules for this RAT for Web)

After that, you must set your Module options (see Figure 22). There are two options:

- **Autodetection module by URL (recommended):** Turning on this option, when you navigate to a URL it is checked to see if it has a configured module. If you turn it off, you will only use what you configure regardless of what the Quality Responsible configured before.
- **Notifications when selected module changes:** If the previous option is activated and you navigate to a URL configured by the Quality Responsible, the system displays a message "the module has been changed."

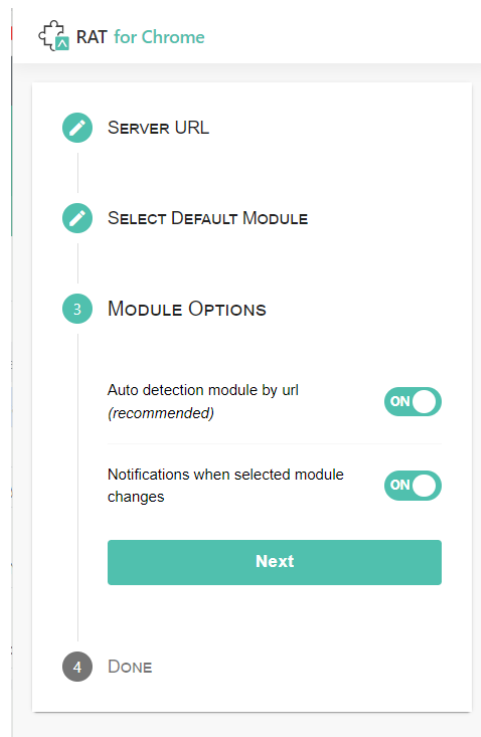


FIGURE 22

Click *Next* to end the installation. Then *Save* the configuration.

Click on *Done* to finish the configuration.

4 Installing Excel and Word Addins

In order to activate the MS Excel and MS Word addins, go to the *Home* menu of the MS Office tool and click on the *Add-ins* button (highlighted).

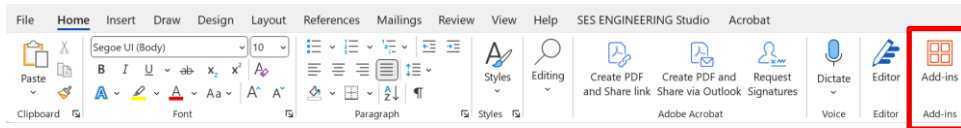


FIGURE 23

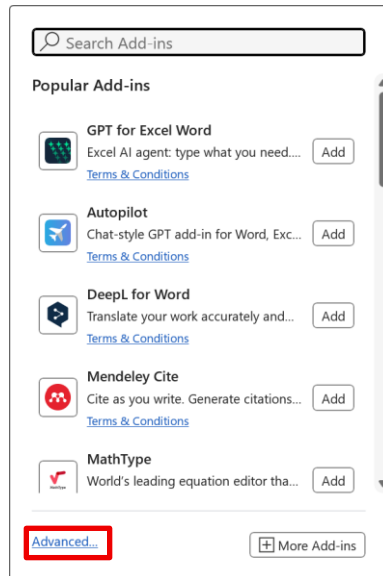


FIGURE 24

This is going to show a list of the available add-ins. Click on the *Advanced...* option (highlighted).

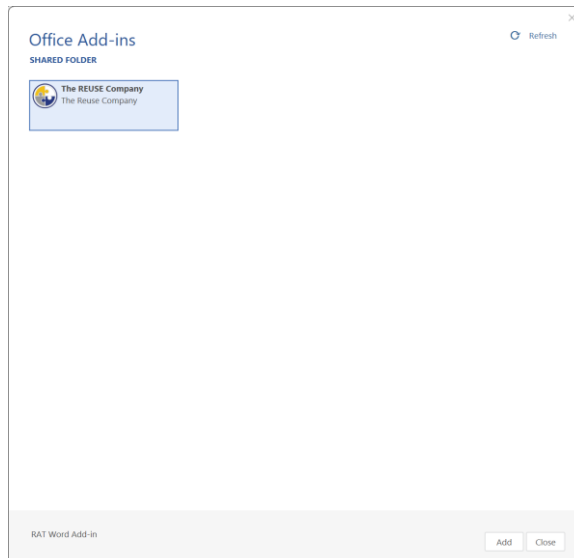


FIGURE 25

Click on the "The REUSE Company" option and then on *Add*. This is going to create a new button in the menu.



The Reuse Company

FIGURE 26

From here, you can access the RAT option in the Office tool.

Appendix: Configuring SES

Configuring SES connection and module properly to be shown in RAT API is easy! You only have to follow next steps.

1. Open SES



FIGURE 27

2. Select a Database

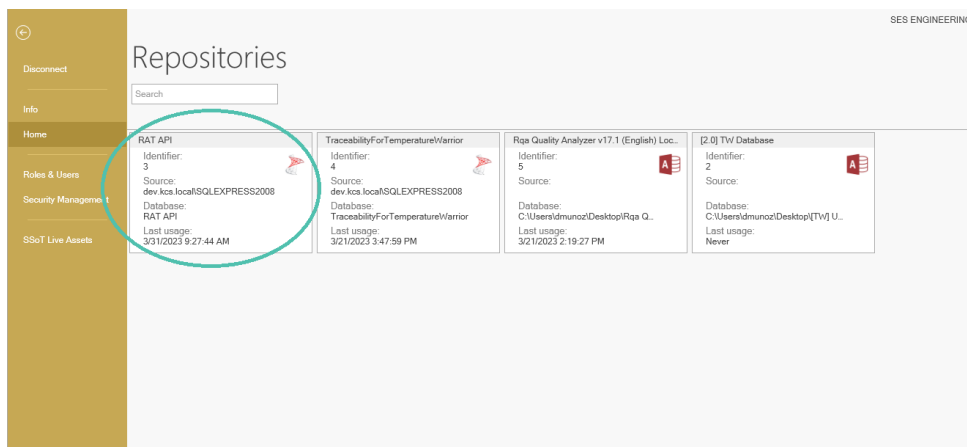


FIGURE 28

3. Click on *Add Connection*

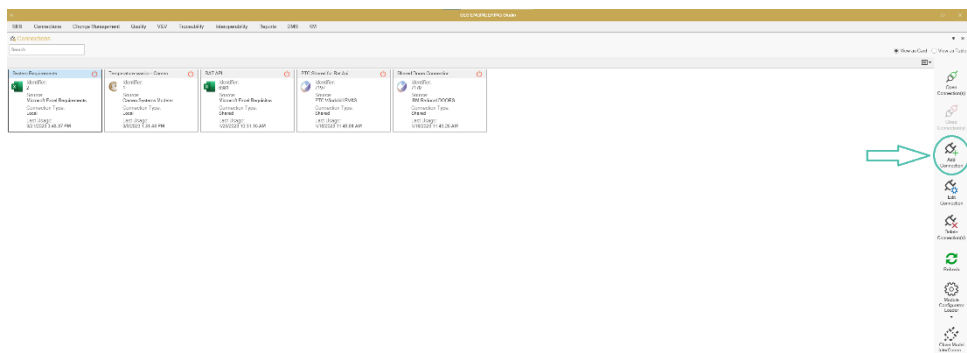


FIGURE 29

4. Fill Connection Compulsory Information

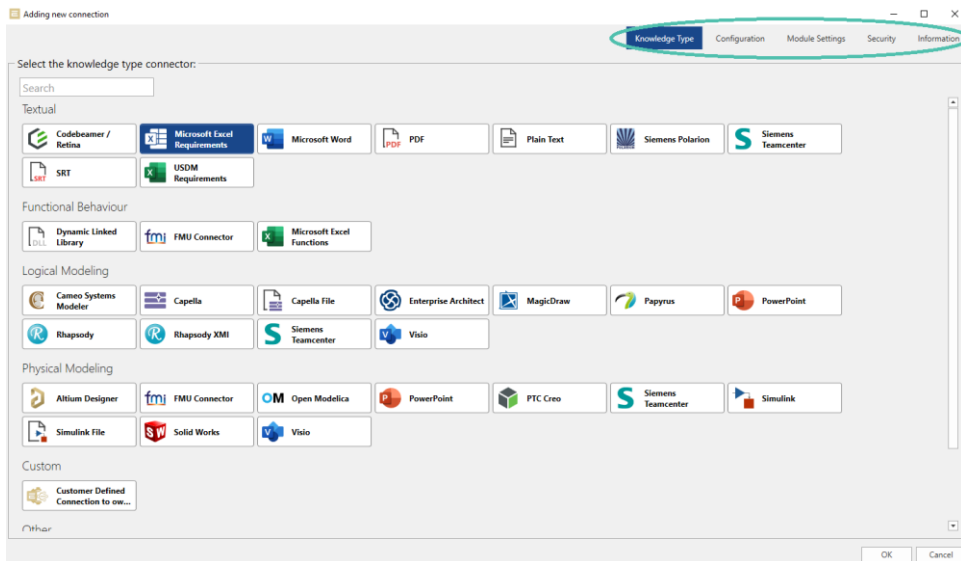


FIGURE 30

5. Set Pattern Groups or Patterns for Authoring purposes

On the formalization tab select the Patterns or Pattern Groups that will help the authors in RAT.

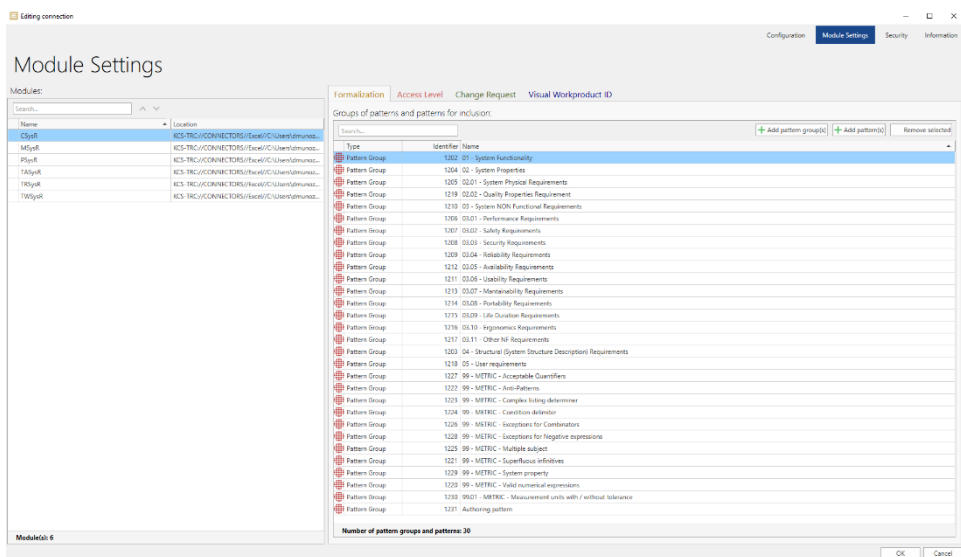


FIGURE 31

Optional: If the user wants to associate one or several URLs to a module (and therefore to its set of metrics), so that when entering this URL in the browser the default module (chosen at the

beginning in the extension) is changed by the one configured in SES, it must be added in the RAT tab.

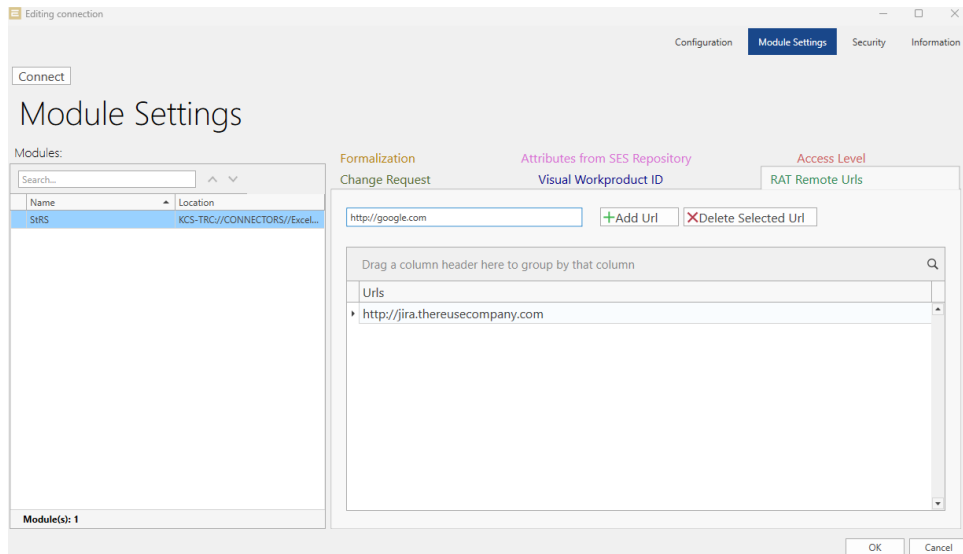


FIGURE 32

6. Mark as Connection Shared

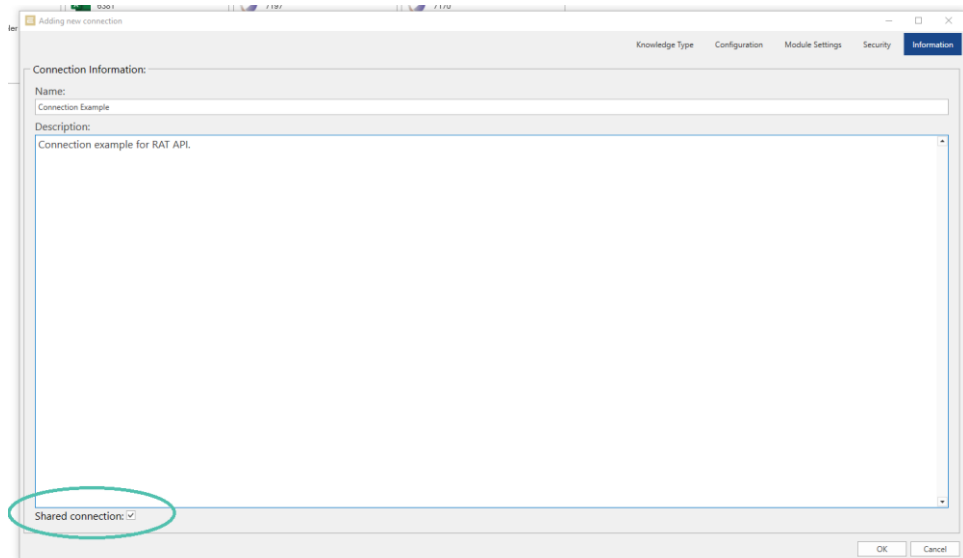


FIGURE 33

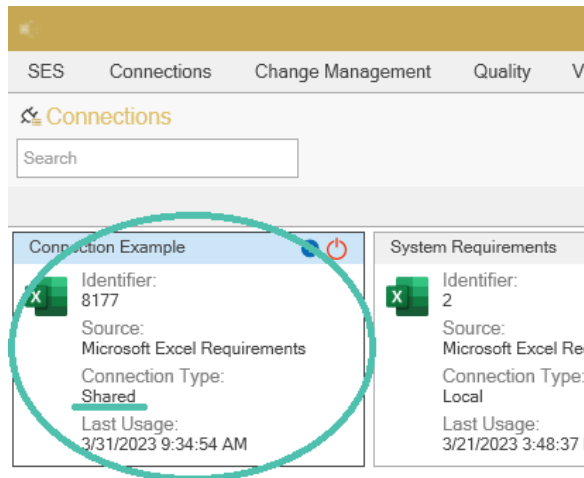


FIGURE 34

7. Open the connection

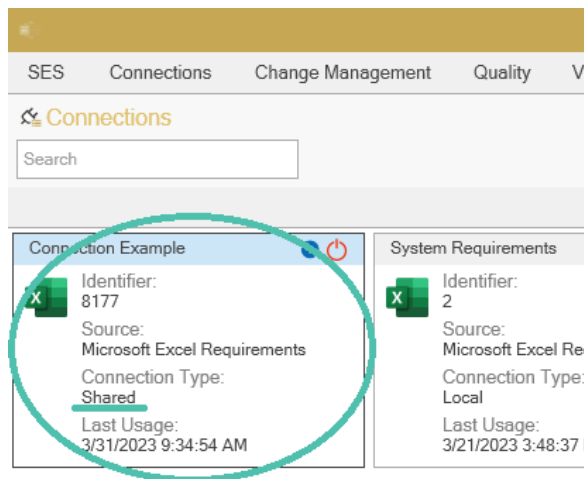


FIGURE 35

8. Open Quality View

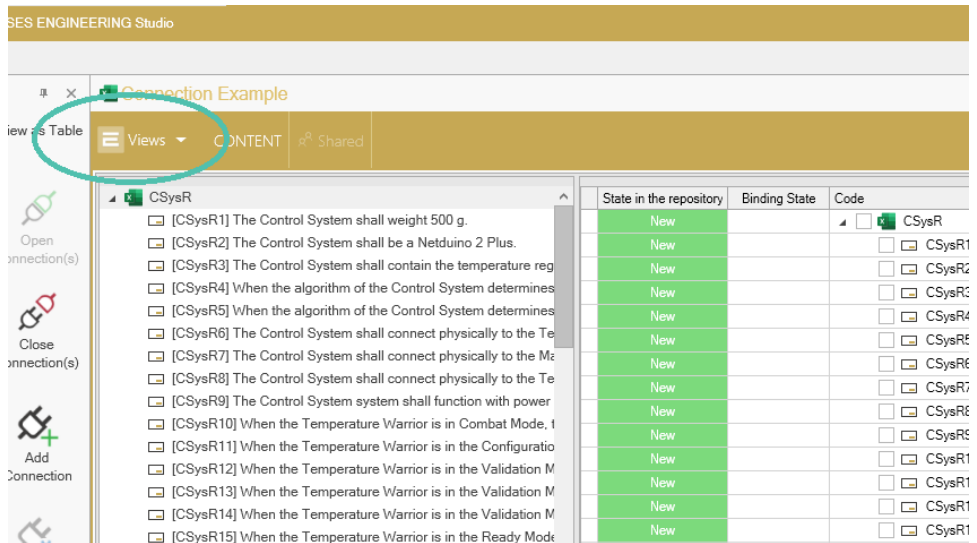


FIGURE 36

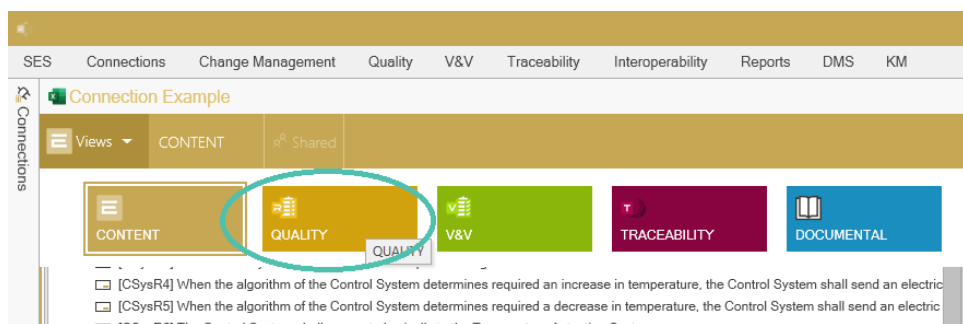


FIGURE 37

11. Done!

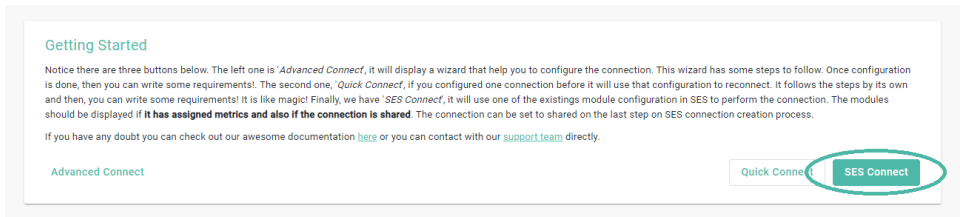


FIGURE 41

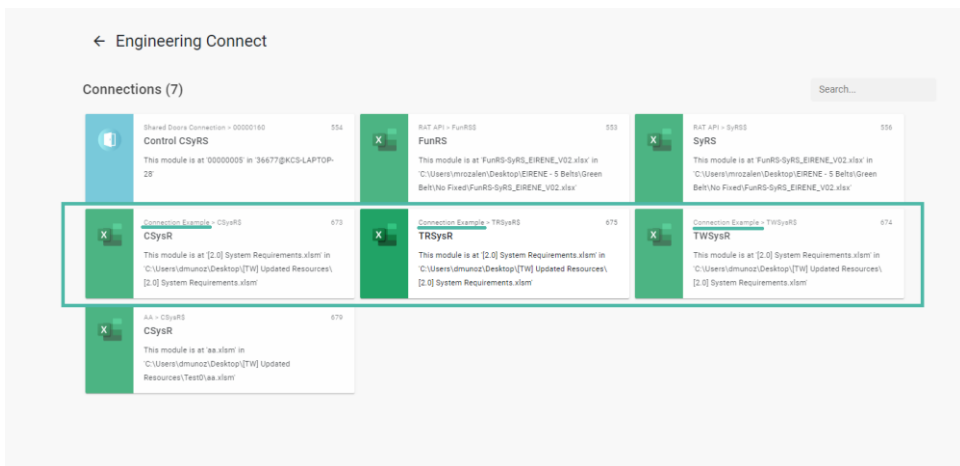


FIGURE 42

The REUSE Company

The REUSE Company is an organization specialized in the application of Semantic Representation and Analysis Technologies to a wide range of industries (Aerospace, Defense, Automotive, Naval, Health, ...). Our customers are usually (but not limited to) safety-oriented organizations.

Our focus is on System/Software Reuse, Traceability and Quality applied to all types of work-products throughout the whole SE lifecycle (requirements, SysML Models, physical models, tests cases, data results, manuals, natural language descriptions, fault trees, etc.). The integration of tools and technology from The REUSE Company facilitates the representation, analysis and exploitation of knowledge allowing for a knowledge-centric system engineering approach.

Our mission is to promote system/software and knowledge reuse within any organization, by offering processes, methods, tools, and services that make it possible. We offer technology that is fully integrated within the organization's production chain.

