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Configuring Schneider Electric Licensing for Wonderware Historian Server 2017 and remote Historian Client 2017

SUMMARY

Schneider Electric Licensing consists of a **License Manager** and a **License Server** allowing you to manage and deliver licenses to the installed System Platform components. The License components interact with an **Activation Server**, which you don't need to install or maintain it, to process the licensing requests from the License Manager.

License Manager is a browser-based component that allows you to access and maintain licenses for System Platform products. It can be installed on the license server node or on any computer based on the deployment needs. You can use it to manage one or multiple license servers in your environment.

License Server can be used to acquire, host, and maintain licenses for your installed System Platform products. It provides information about current license usage and can securely serve licenses to the installed software.

Activation Server is an Internet based server that interacts with the License Manager to activate or deactivate licenses on the License Server. The Activation Server processes requests received from the License Manager and responds with the activation information for the corresponding License Server.

SITUATION

This *Tech Note* will show you step- by- step how to quickly configure the Schneider Electric Licensing so that both local Historian Server 2017 and remote HistClient 2017 can access their corresponding licenses on the License Server.

The following diagram shows how the system is setup for this *Tech Note*:

- There are two computers in the diagram in which one is being used as a License Server as well as a Historian Server 2017 and the other one as a Historian Client (or HistClient) 2017 accessing data stored in the Historian Server.
- Both License Manager and License server components are installed on the License Server computer.
- Historian Server and HistClient are to get licenses from the License Server computer.
- The diagram shows communications between the License Manager, License Server, local Historian Server and a remote HistClient .
- The License Server computer has Internet access to the Activation server allowing the user to activate or deactivate licenses.

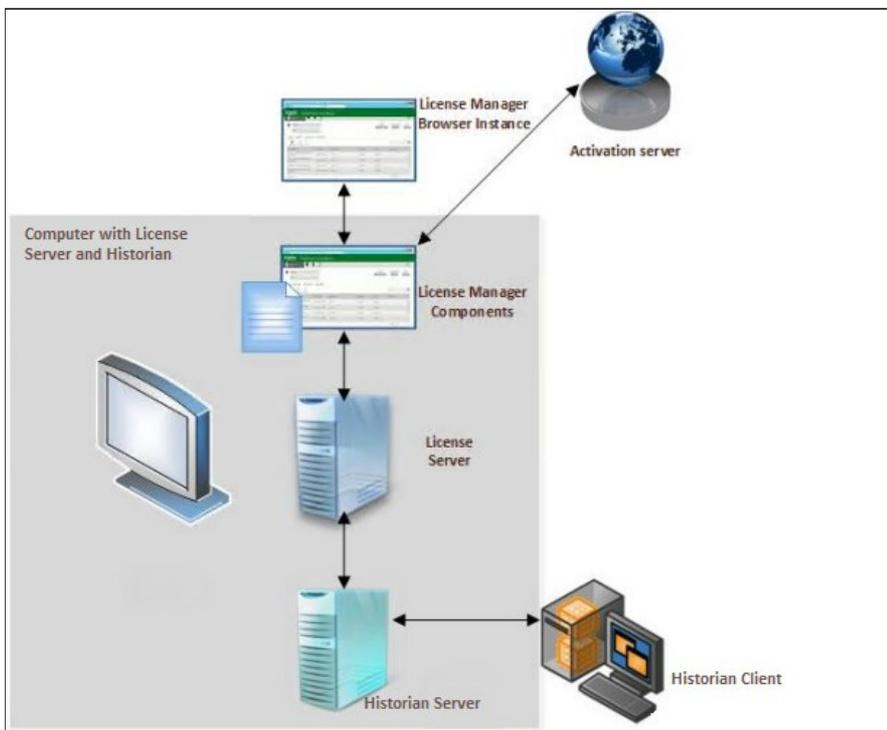


Figure 1: Schneider Electric Licensing topology

ACTION

After purchasing a Schneider Electric product, you receive an **Entitlement file** which is a XML file containing license details for your Schneider Electric software product.

1. On the License Server machine, search for **Schneider Electric License Manager** then click on it to open the License Manager

You can also open the License Manager installed on a local or remote machine using a web browser with URL:

`http://<nodename>/SELicenseManager`

Where <nodename> is the name of the License Server computer

Note: The License Manager can only be accessed by a user who is either a local administrator or a member of **SELicMgr** security group on the machine where the License Manager is installed and you need to manually create the SELicMgr group if you want to use it

2. Click the **Menu** icon to open the **Main Menu**. The menus slides in from the left side, both on the Summary and Details Page



Figure 2: Main License Manager menu

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3. Click **Add Server** to add a server to this License Manager. Enter the following information in the dialog box and click **Apply**:

- **Computer name:** Enter the name of the License Server (Win16SP2017 for this example)
- **Display Name:** Enter any meaningful name here for the License Server (MyLicServer for this example)

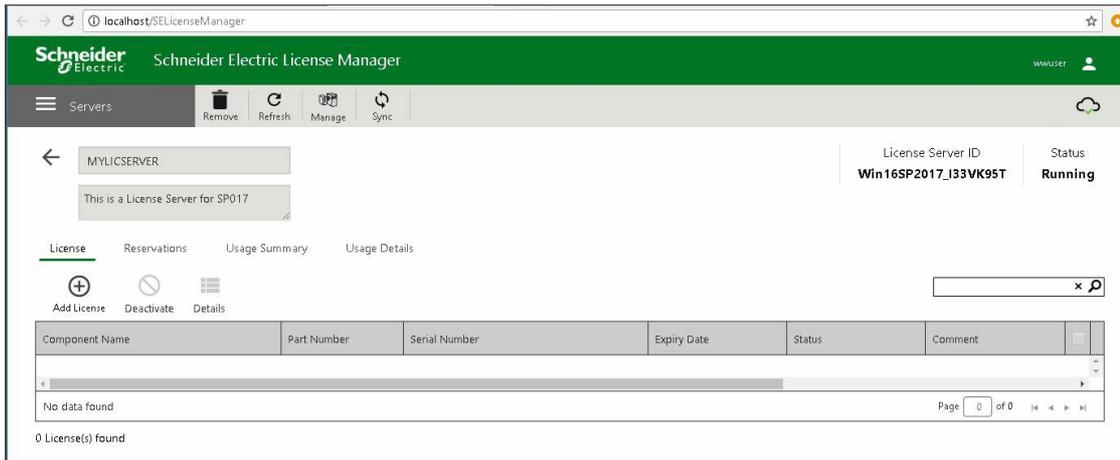


Figure 3: Add Server

4. Import the **Entitlement file**. The Entitlement file is an XML file sent to you when you purchased System Platform product. It contains information about specific product licenses you purchased. The License Manager displays all available licenses from the imported entitlement. To add a license, do the following:
5. Click **Add License**. The **License Activation** dialog box appears.
6. Click the **Ellipsis** button to browse to the location of the the license entitlement file and add it to the list.

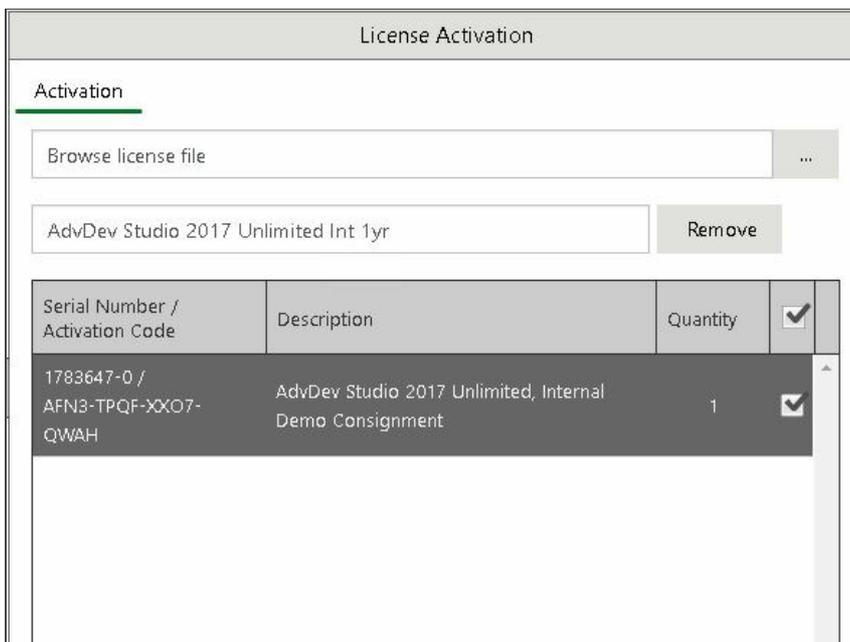


Figure 4: Add license entitlement

7. Highlight the newly-added license and click the check box on the right side of the license.
8. Click **Activate** at the bottom-right side of the dialog box to activate the license.

The License Manager then connects to the Activation Server over the Internet to enable the purchased license and the license's **Status** now becomes **Activated** as shown in the figure below. The license should now be available to use and you can now use the License Manager to activate, deactivate, reserve and unreserve licenses.

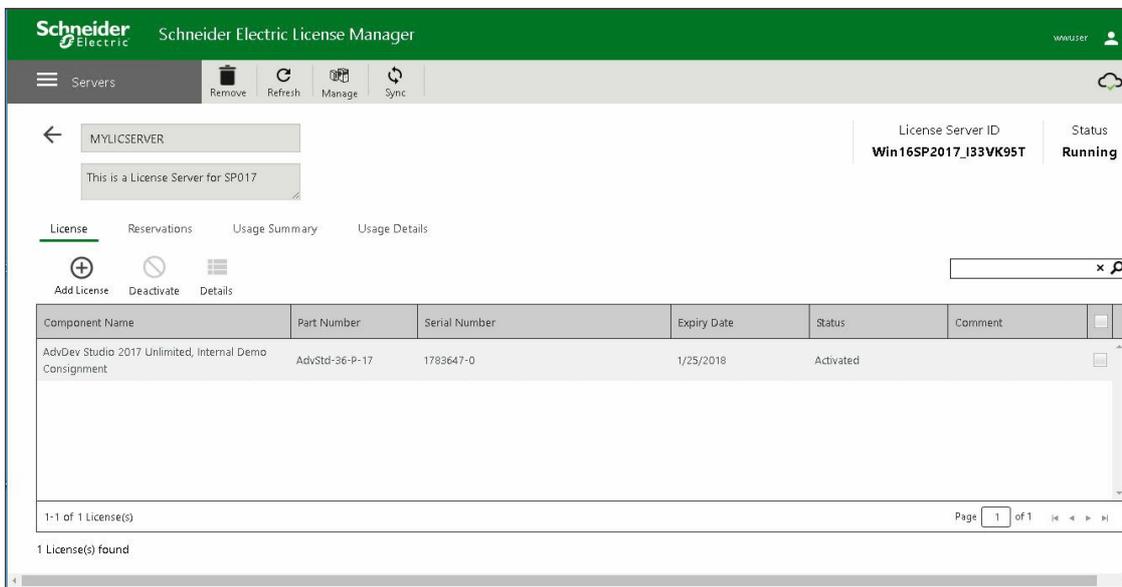


Figure 5: License Manager with activated licenses

Configuring Schneider Electric License Server for a local Historian Server

For this *Tech Note*, Historian is installed on the same machine as the License Server.

1. From the License Server machine, open the **Configurator** and highlight **Schneider Electric License Server**.
2. Provide the following information:

- **Primary Server Name:** Enter the name of the License Server here (WIN16SP2017 for this example)
- **Server(s) Port:** 55555 (This is the default port)

3. Click **Test Connection** to verify the port is open. You see a message similar to the following in the **Configuration Messages** pane:

Communication with License Server on node 'Win16SP2017' through port 55555 succeeded

4. Click the **Configure** button at the bottom of the dialog box to configure the Schneider Electric License Server. The license is now configured for the Historian and the Configurator looks like Figure 6 (below):

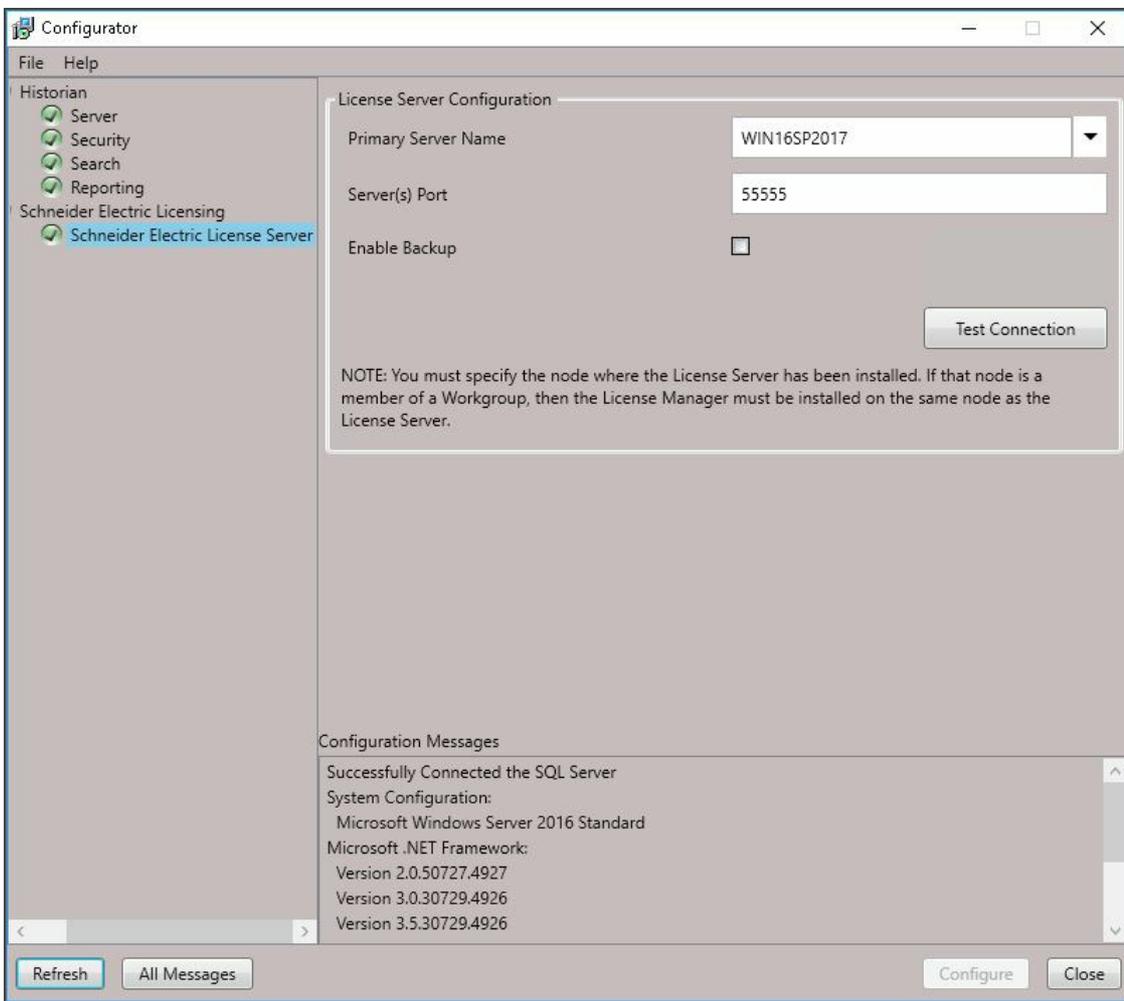


Figure 6: Configurator

5. Open Historian SMC, right click on **Status - All Tasks** then select **Refresh License Information** to update the license for the Historian.
6. Highlight the SMC **License Status** line. The **License Status** displays **Valid**.

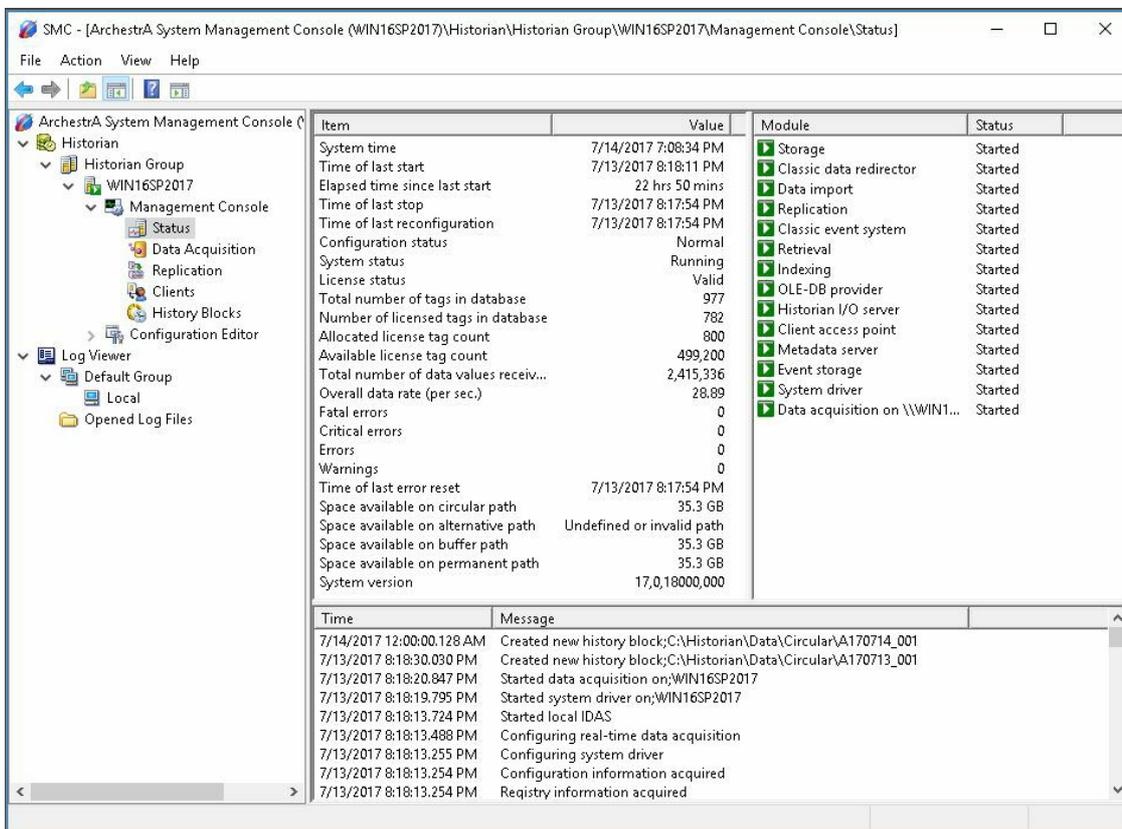


Figure 7: License status is Valid

Configuring Schneider Electric License Server for a Remote Historian Client

After installing Historian Client as in this example, or any System Platform 2017 product in general, you need to open the Configurator and define the location of the License Server that will host the license for your installed product.

1. From the HistClient machine, open the **Configurator** then highlight **Schneider Electric License Server** then enter the following information:

- **Primary Server Name:** Enter the name of the License Server here (WIN16SP2017 for this example)
- **Server(s) Port:** 55555 (This is the default port)

2. Click **Test Connection** to verify the port is open. The following message appears:

Communication with License Server on node 'Win16SP2017' through port 55555 succeeded

3. Click the **Configure** button at the bottom of the dialog box to configure the Schneider Electric License Server. The license is now configured for the Historian and the Configurator looks like Figure 8 (below):

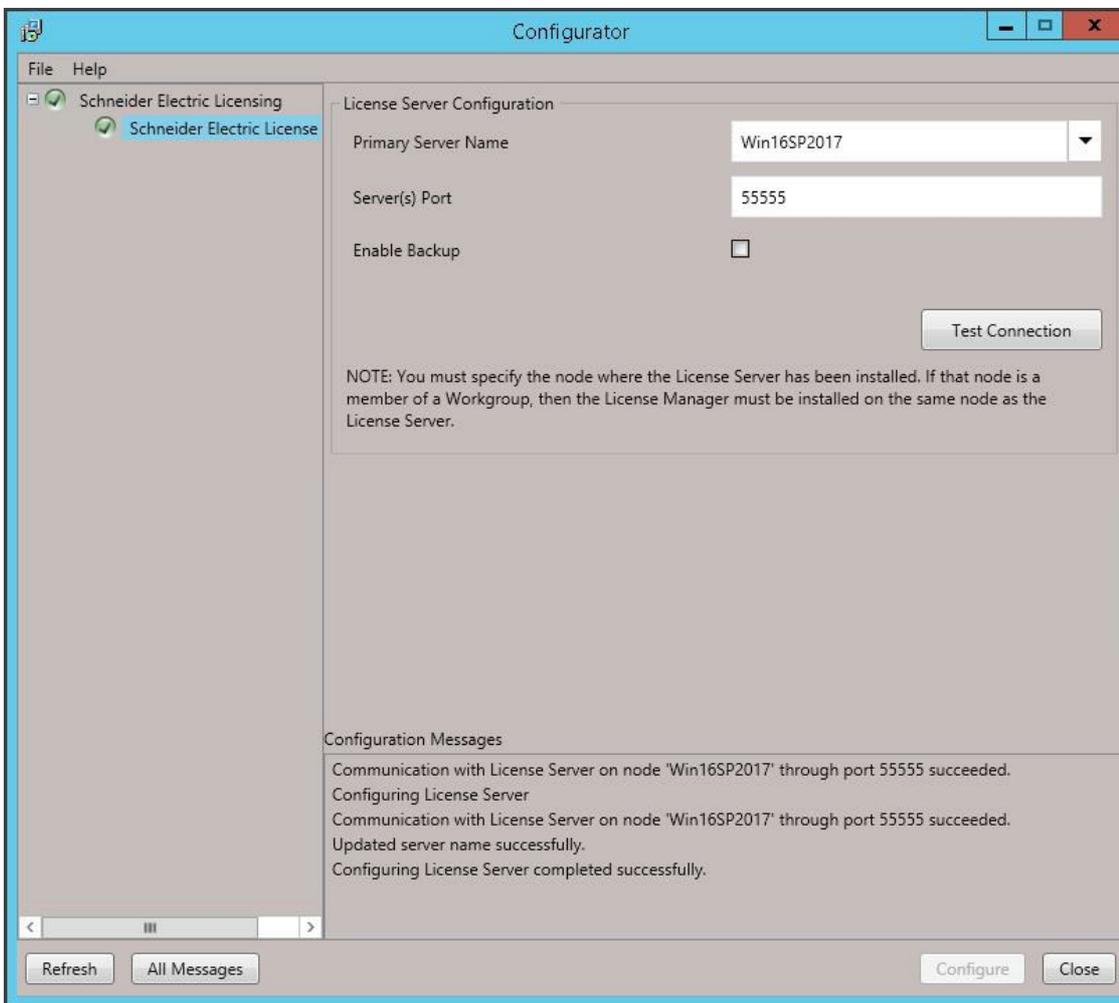


Figure 8: Configurator

- HistClient acquires the license from the License Server successfully (Figure 9 shows the fully-functional client).



Figure 9: Historian Client

AUTHOR NOTES

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