



INTOUCH SUPPORTING DOCUMENT

Doc Number : ICP-DOC-INTOUCH

Revision : 0

Last Modified : 02-Nov-2023

WONDERWARE INTOUCH SUPPORTING DOCUMENT

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Doc Number : ICP-DOC-INTOUCH

Revision : 0

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Project Name:

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Document Title:

WONDERWARE INTOUCH APPLICATION MANUAL

Prepared by:

ICPro Solutions Pvt. Ltd.

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1. Introduction

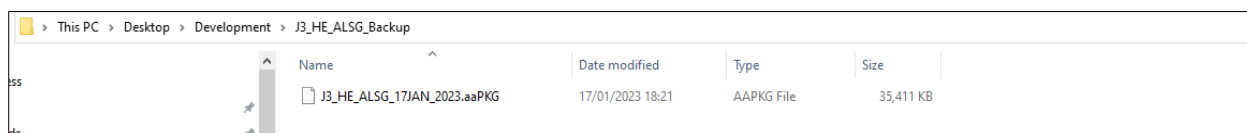
1.1 Purpose

The objective of this document is to explain clear instructions for the Wonderware Intouch application project to take backup, export, import (restore), InTouch project log, HMI database maintenance steps, license activate and deactivate in both offline and online methods, and also steps for taking a backup of an OI server configuration. These topics are explained.

2. HMI Application Management

2.1 Exporting Intouch Application

HMI application backups are stored under a folder as shown below. It can be found under the specified folder created by a developer for backups:

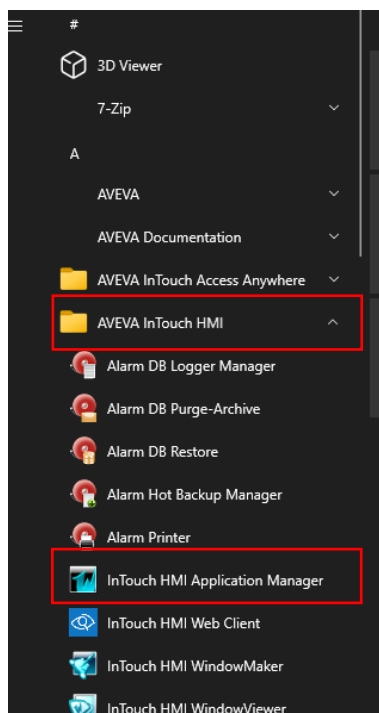


Name	Date modified	Type	Size
J3_HE_ALSG_17JAN_2023.aapkg	17/01/2023 18:21	AAPKG File	35,411 KB

Each backup file will have the application type/name and the date and revision number if more than 1 backup stored in a particular date.

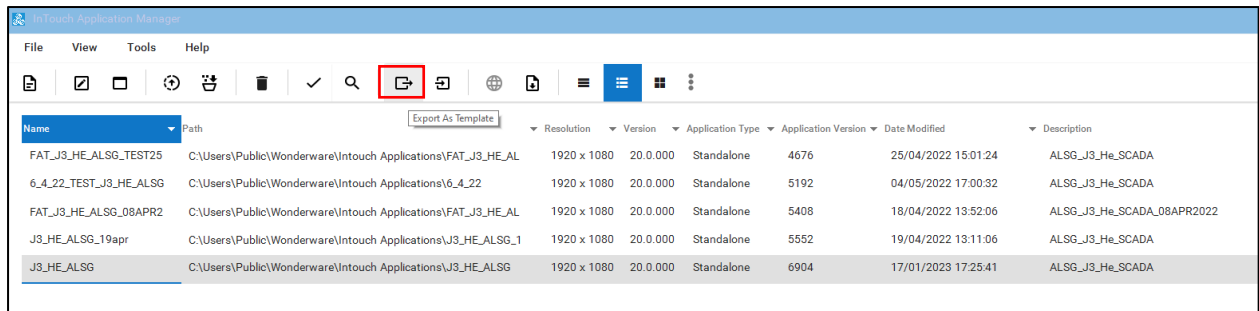
To generate a new backup file, execute the following. Launch InTouch Application Manager in Engineering System

The InTouch Application Manager can be launched from **Start > All Programs > Wonderware InTouch > InTouch Application Manager**.

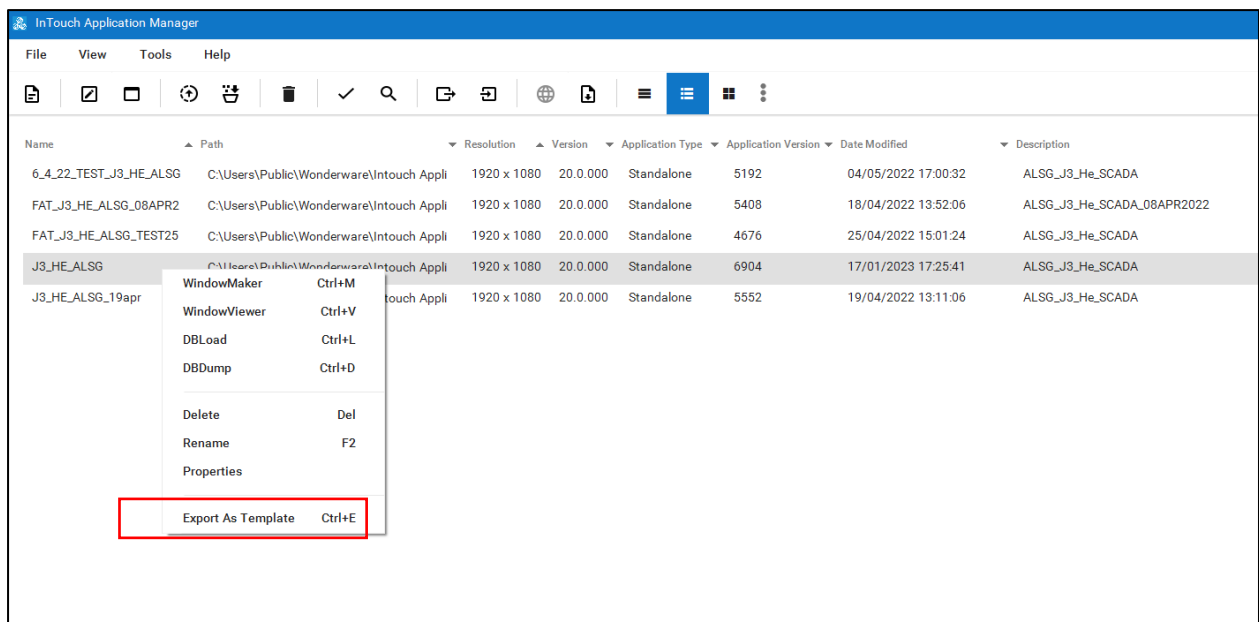


In InTouch Application Manager, Select the project file that you want to back up and click on the **Export** Icon or right click and select **Export**.

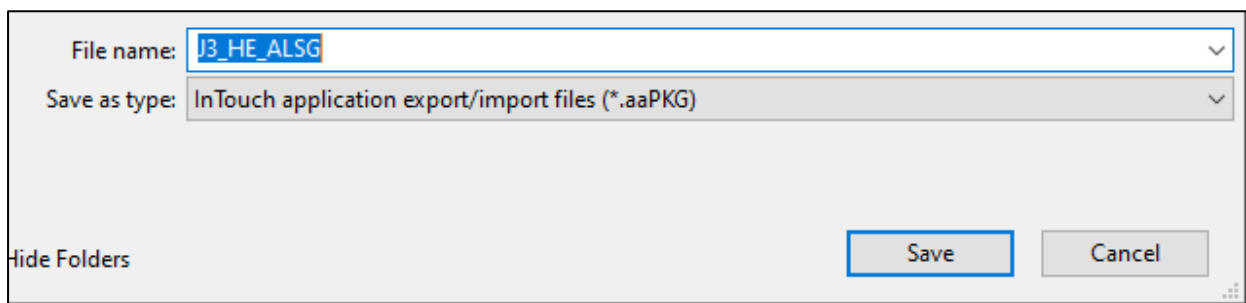
Method 1:

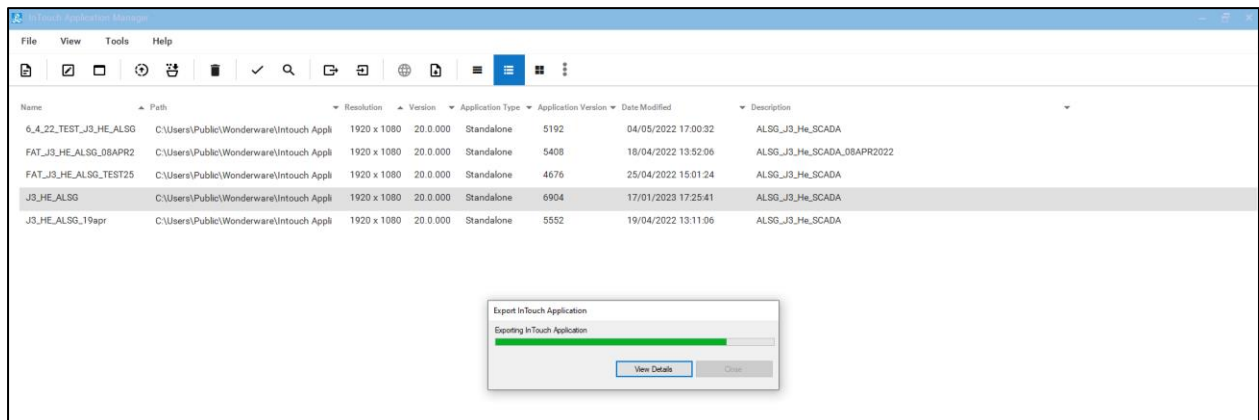


Method 2:

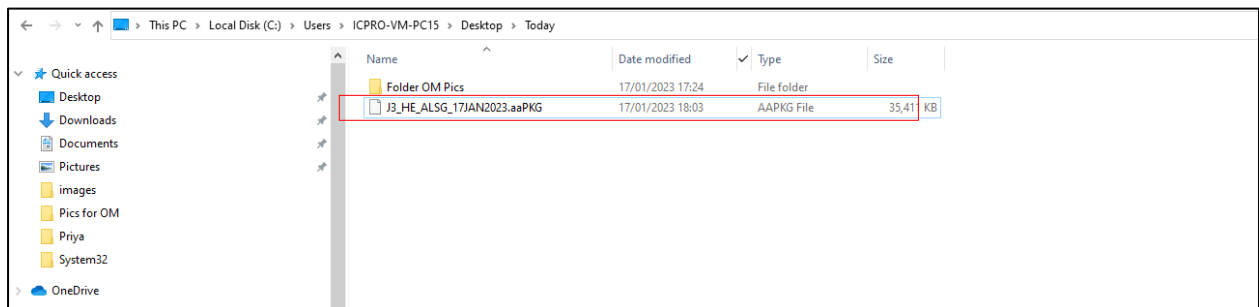


Browse the backup folder as explained above and change the date, revision number and click save.





After exporting the given path will be opened and the exported application is shown below:



Method: 3

In Intouch application manager **Export** option is not available or any error occur, we can able to copy the whole **Project folder** the project place under the '**Default path**' in the system.

The default path is **C:\Users\Public\Wonderware\Intouch Applications\ Respective Project Name**

After copying the whole folder of the project, paste the whole project in respective PC in same default path of Intouch applications: **C:\Users\Public\Wonderware\Intouch Applications**

Note:

For restoring this applications given in below Restoring Intouch Application Method 3

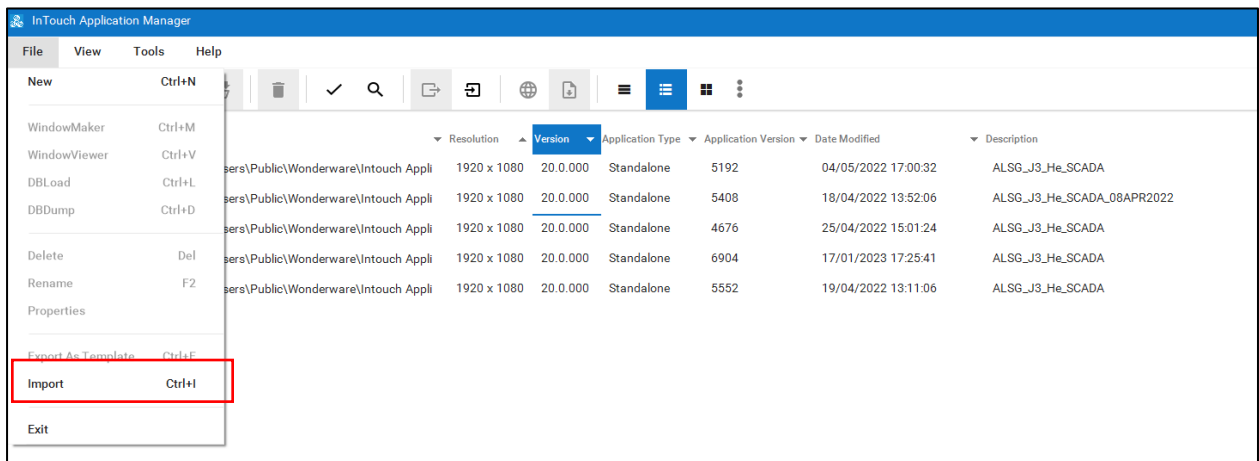
1.2 Restoring Intouch Application

If the Intouch application is corrupted / not opening correctly, the backup application can be restored from the backup folder.

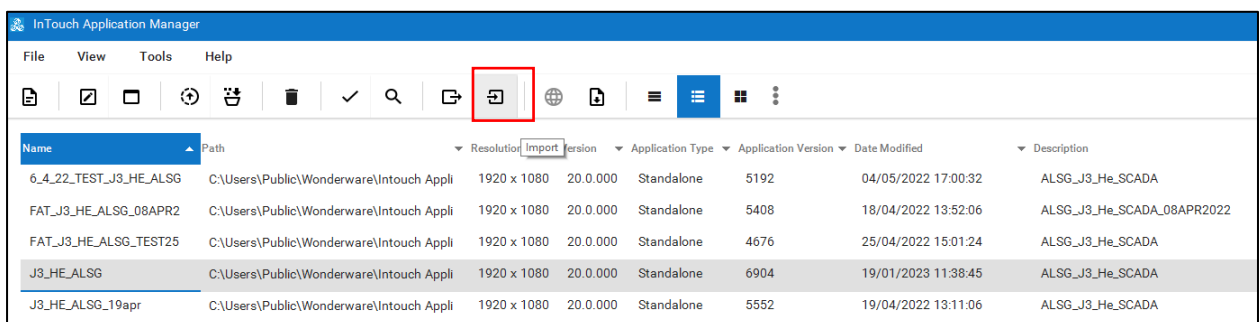
To application should be restored under the following folder structure:

In Application Manager Click on **Import** icon / Right click on the screen select, **Import Application** from the drop-down menu.

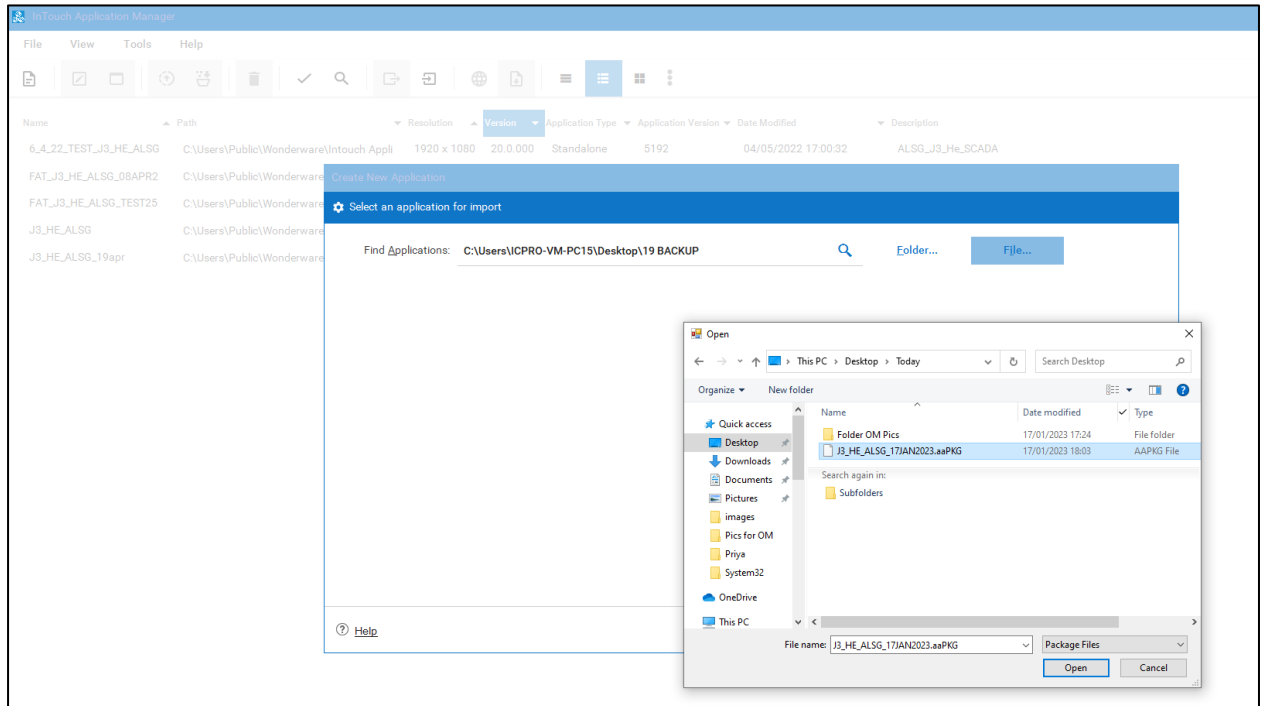
Method 1



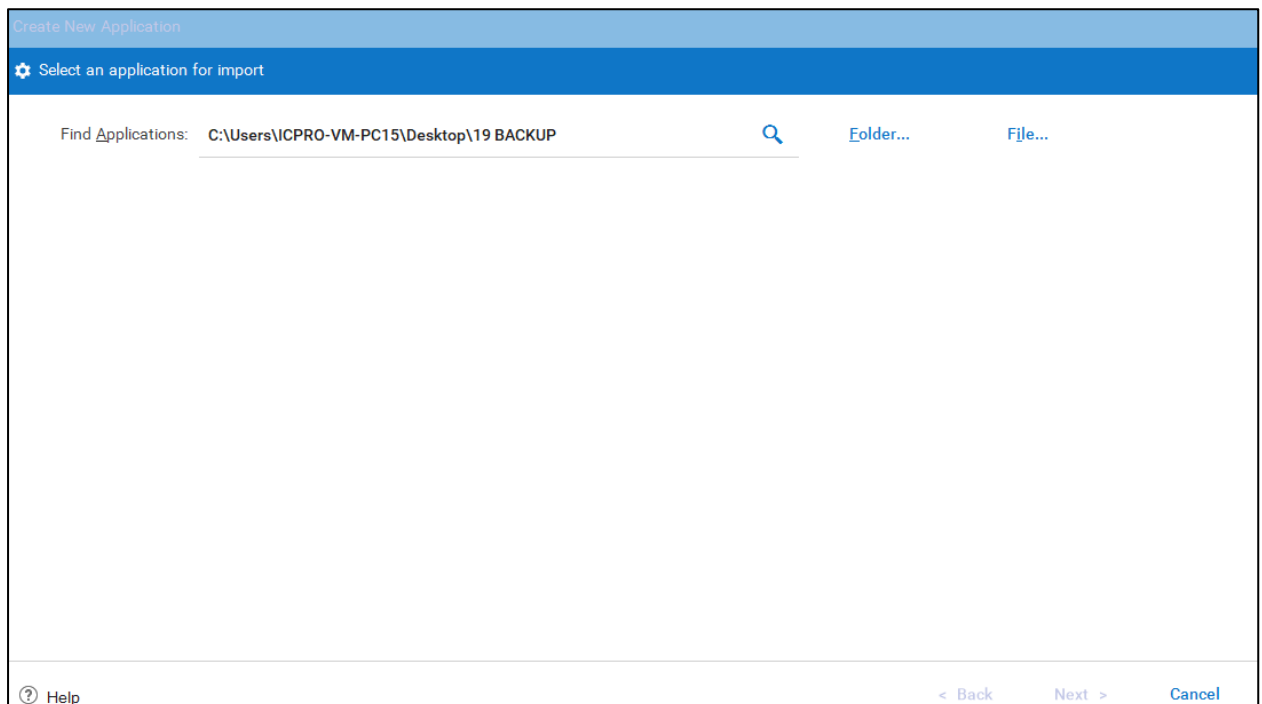
Method 2



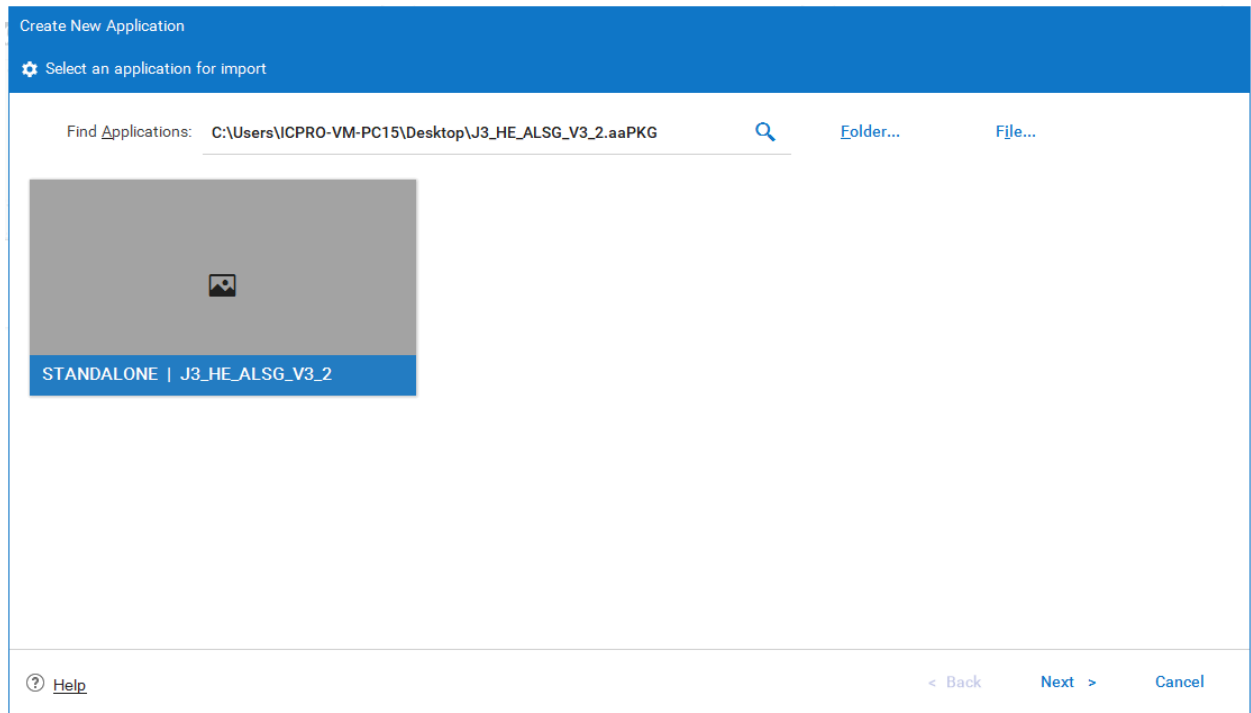
- In the Pop-up Window Click on **File** > Select The file you want to Import > Click **Open**



- Click **Next** after selecting file



- Click **Next**



- Click **Next**

Create New Application

Enter Application Details

Type: Standalone

Application Name: J3_HE_ALSG

Directory Name: J3_HE_ALSG

Application Path: C:\Users\Public\Wonderware\Intouch ***


Set Default Directory: ☒

Resolution: Screen Resolution

Width: 1920

Height: 1080

Description: ALSG_J3_He_SCADA



Help

Back Finish Cancel

- Change Name if needed > Click **Next**

Create New Application

Enter Application Details

Type: Standalone

Application Name: J3_HE_ALSG_March

Directory Name: J3_HE_ALSG_March

Application Path: C:\Users\Public\Wonderware\Intouch ***


Set Default Directory: ☒

Resolution: Screen Resolution

Width: 1920

Height: 1080

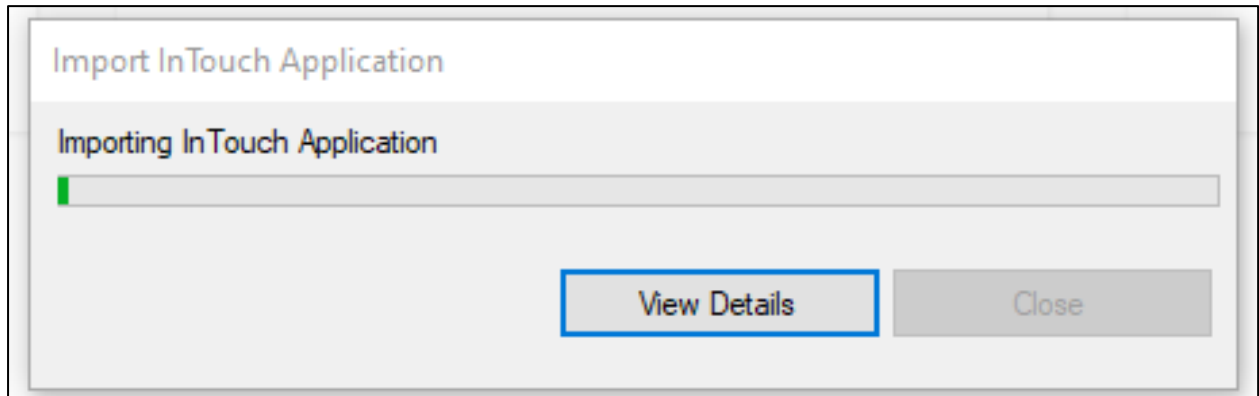
Description: ALSG_J3_He_SCADA_March



Help

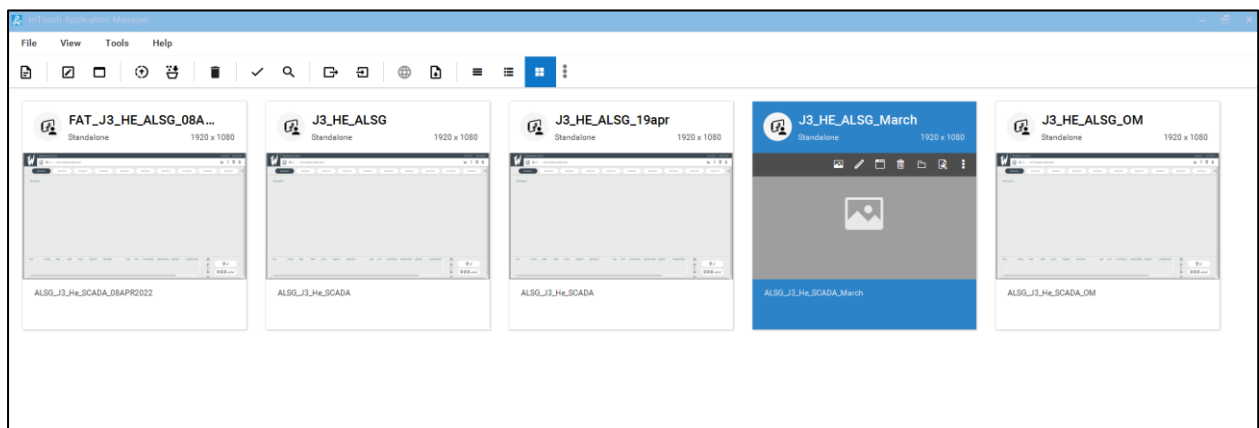
Back Finish Cancel

- Provide application name and Description > Click on **Finish**



- Application is Importing....

- The new application will be created in the name you are given.

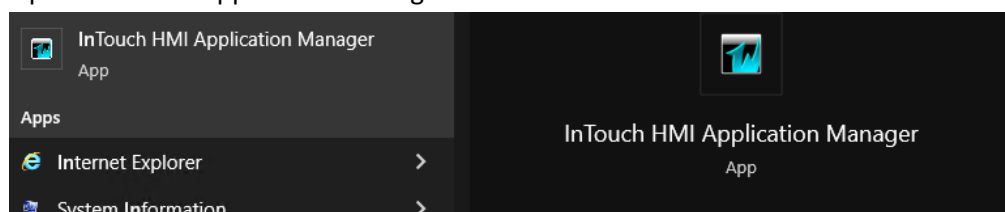


Method 3

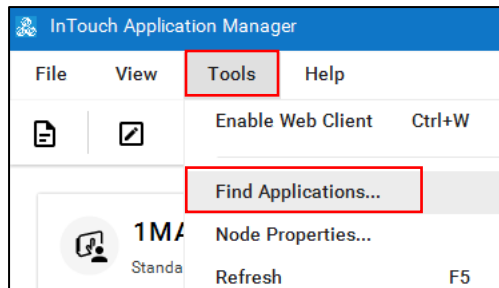
After pasting the respective project in default Application path:

C:\Users\Public\Wonderware\Intouch Applications

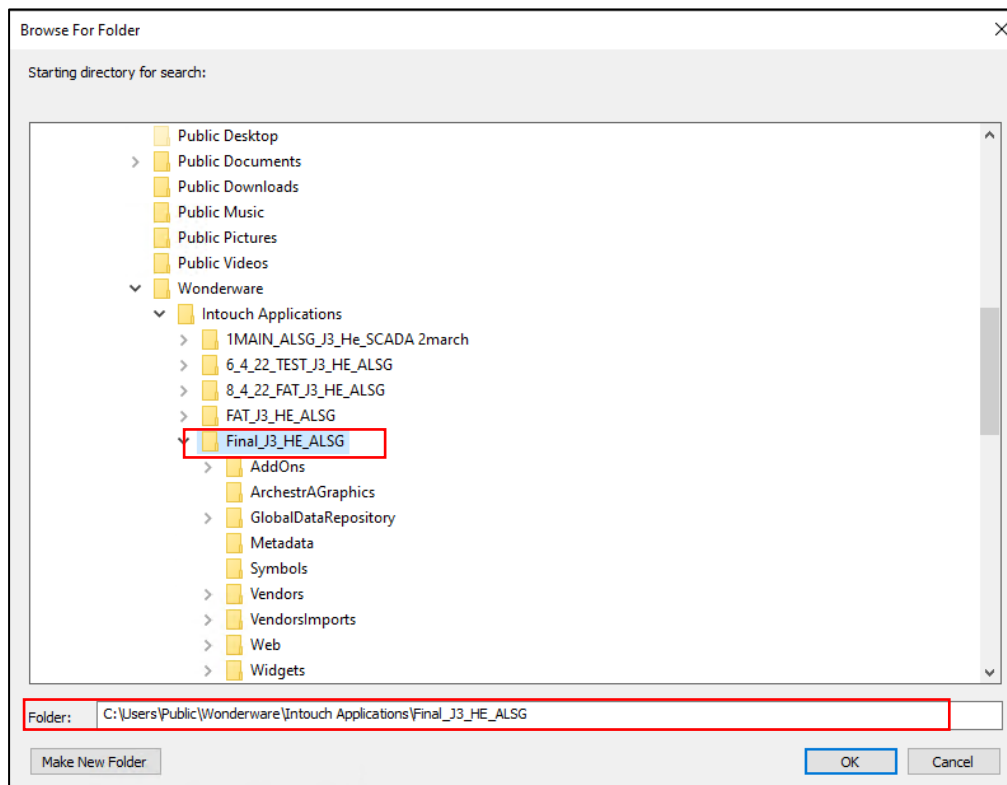
- Open a Intouch Application Manager.



- In Intouch Application Manager in title bar, **Click Tools > Find Applications**



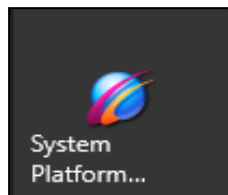
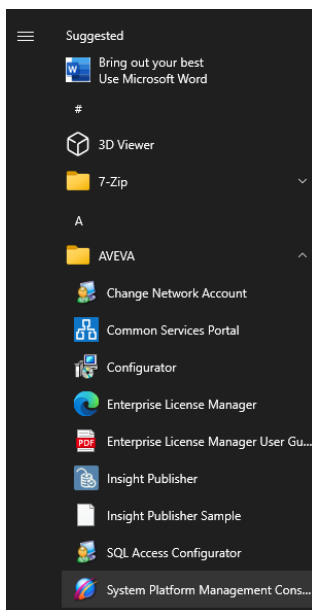
- Click Find Applications, it goes to **Browse for Folder**
- Select the Respective “**Application folder**”



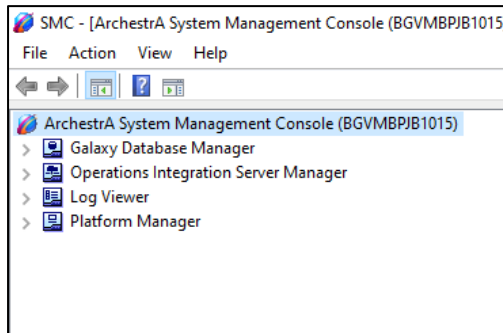
- After selecting the Application, It takes some time for loading application,
- After loading the respective project should be presence in the ‘**Application Manager**’

1.3 Procedure for Exporting Intouch Log

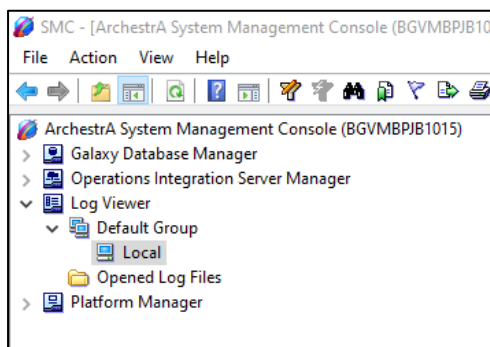
The InTouch Application Manager can be launched from **Start > All Programs > Aveva > System Platform Management Console**.



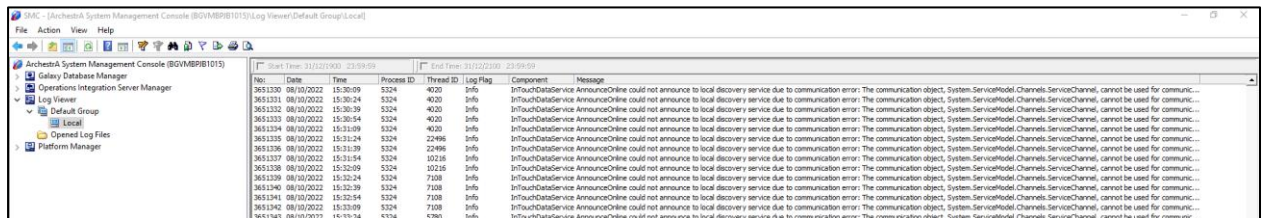
- Open System Platform Management Console.



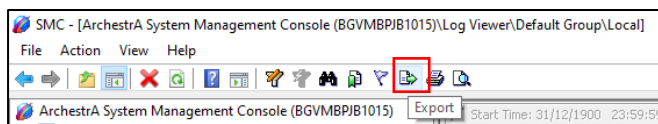
- Open Log Viewer > Default group > Local.



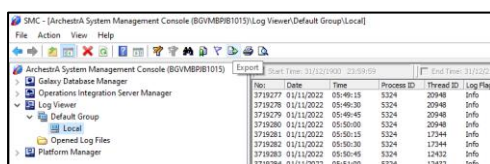
- Open Local.



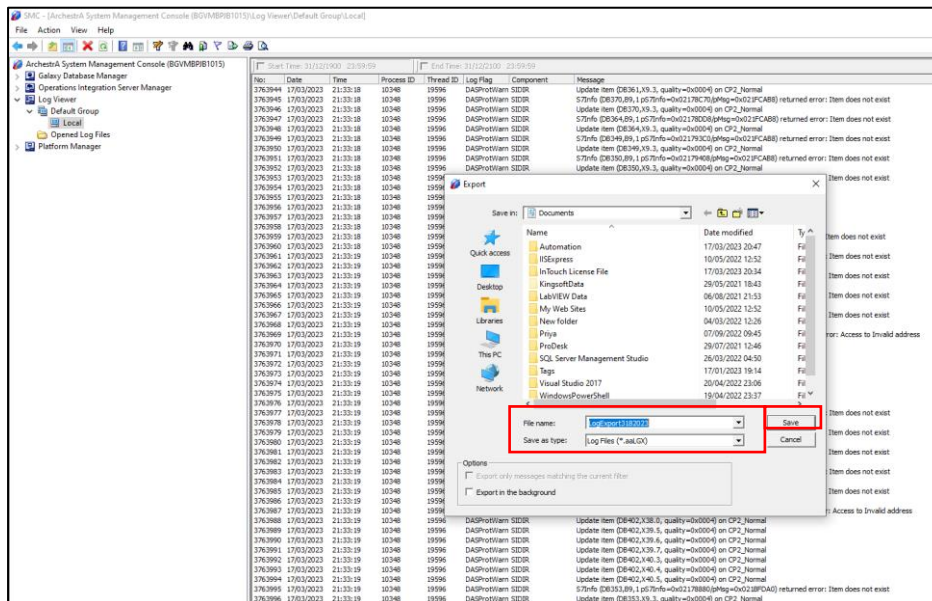
- In Export Button in the Menu bar.



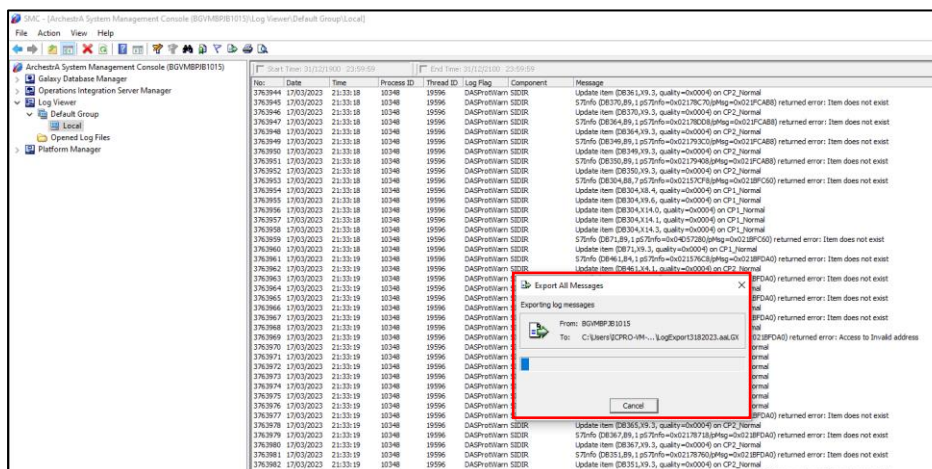
- Click the Export Button.



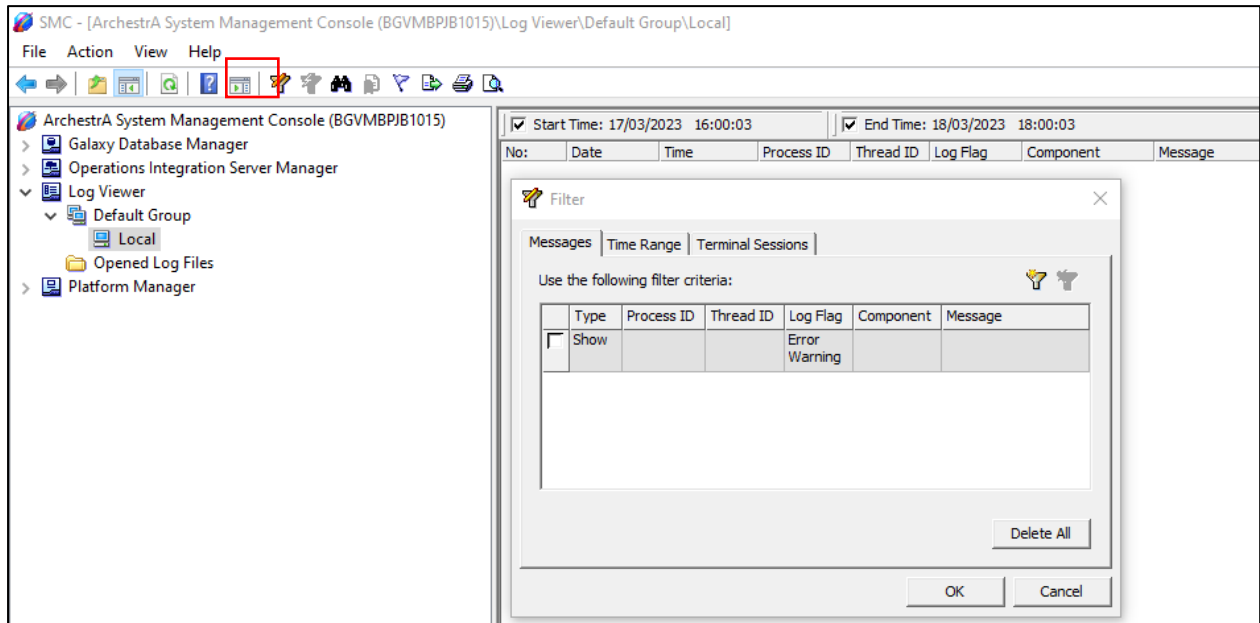
- Change Name and path if needed > Click **Next**.



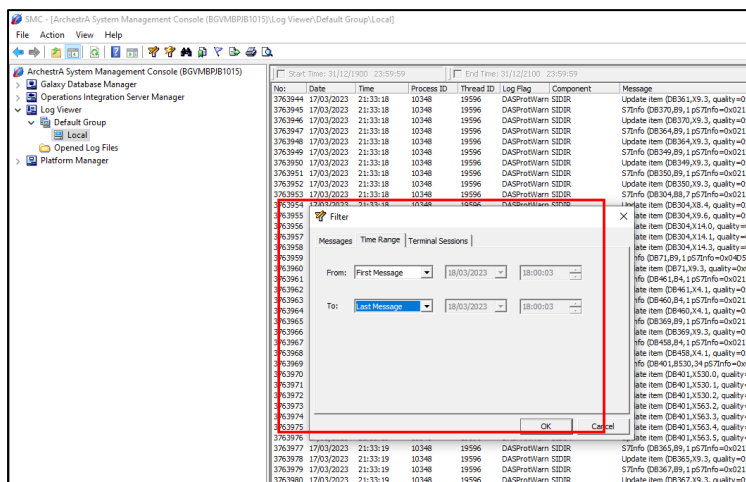
- Click the **Save** button.



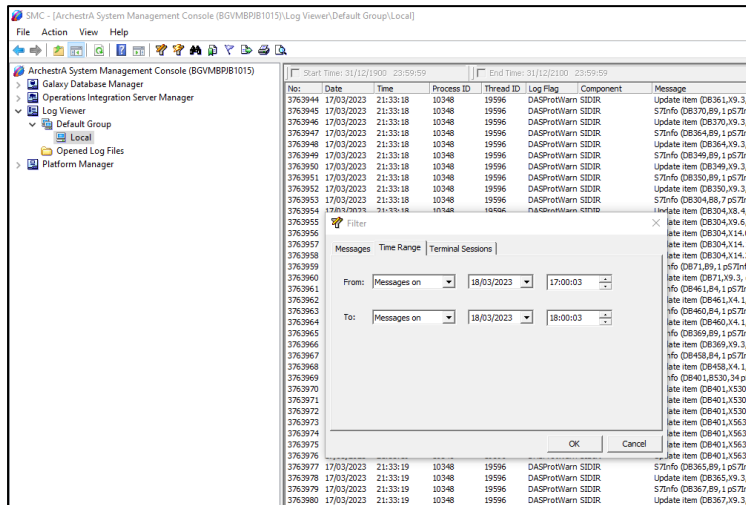
- All the Logs will be saved in respective file under the path you given.
- Logs will be downloaded by using filter for start time and end time.



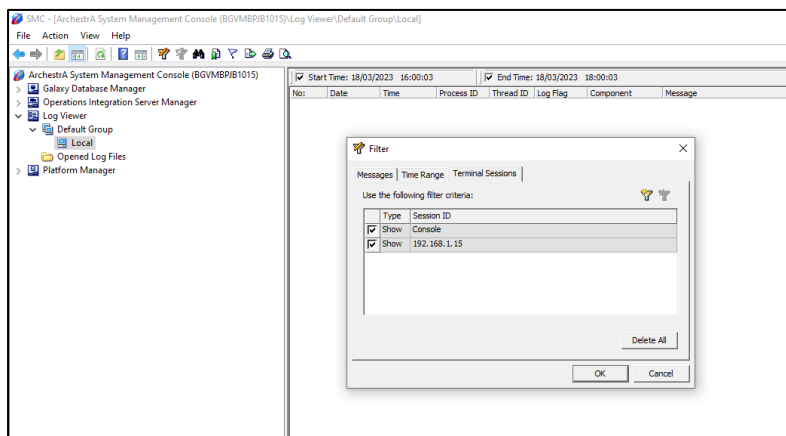
- Select the filter in time range.



- In filter the first message and last message are overall logs.
- In **From** and **To** we need to select the “Message on”.

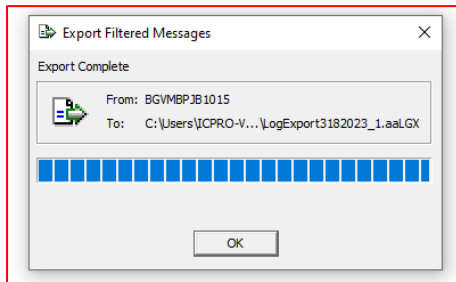


- We selected the message on Date and Time options will show.
- Select the Particular Date and Time of logs we need.




- Verify System IP address and Console in terminal sessions in Filter.
- Once Start Time and End Time selected then Export the Logs.



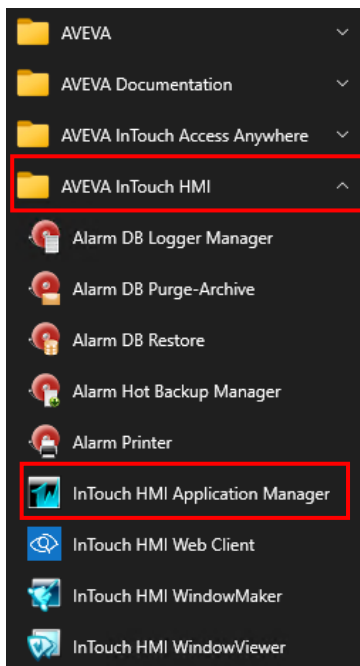


- Once the logs are exported is saved under the path and name, we given.

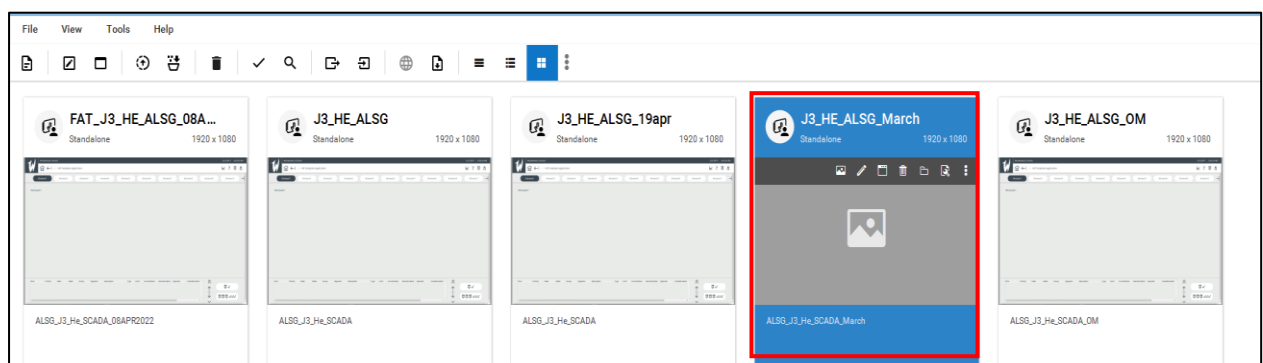
 LogExport3182023.aalGX	18/03/2023 17:58	AALGX File	19,048 KB
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1.4 HMI Database Maintenance

- Launch InTouch Application Manager in Engineering System.
- The InTouch Application Manager can be launched from **Start > All Programs > AVEVA InTouch HMI > InTouch HMI Application Manager**.
- HMI database for saving the **Historical logs**.

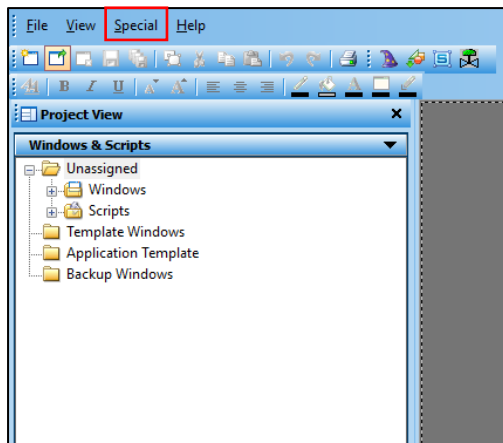


- Open the respective backup in Intouch Application Manager.

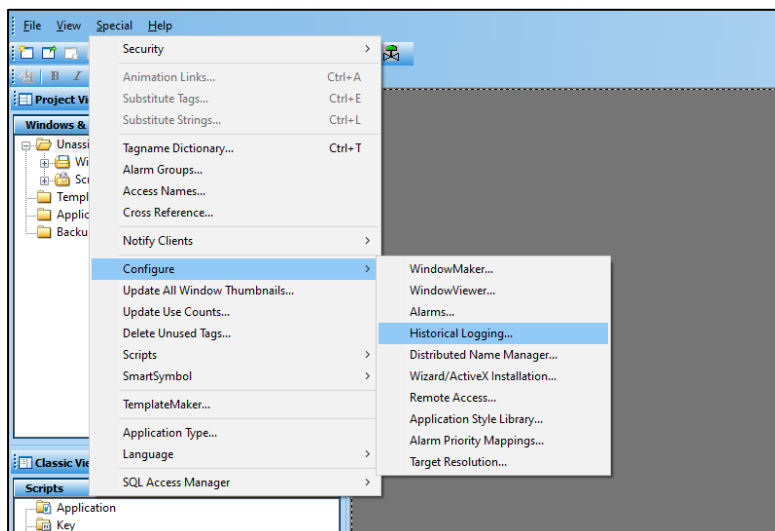


- The Application Opening in Intouch **Window Maker (Development Section)**

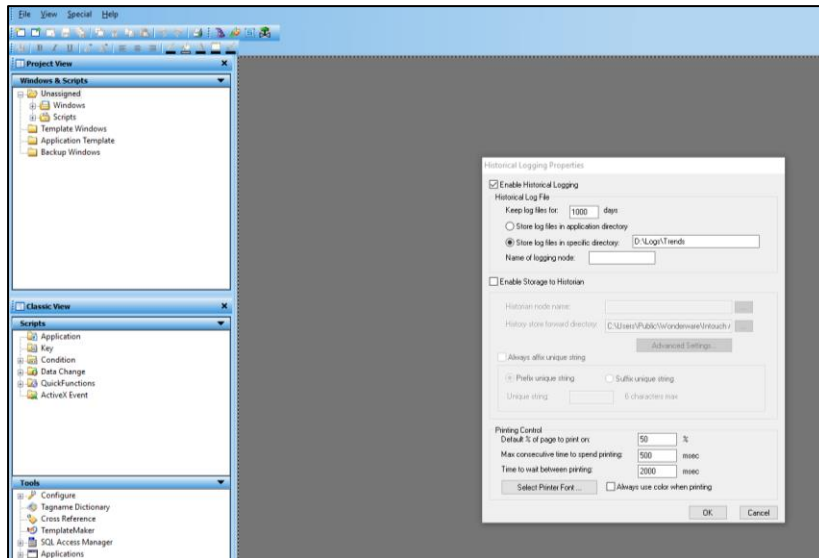
- In Window Maker Click **Special** in the Menu bar.



- In **Special** select the **Configure** by mouse cursor and click in the **Historical Logging**.



- After selecting the Historical logging popup will be Open.
- In this Popup Enable option for Historical Logging and Storage to Historian is shown.
- Enable for Historical Logging and there is an option for “**Keep Log Files**” for selected days.
- Storage data will be saved under the specific folder we given.
- After completing the selected days, the log data will be erased.
- Historical logging properties Popup.



- Historical Logging file save under the File in that Path.

☒ Enable Historical Logging

Historical Log File

Keep log files for: days

☐ Store log files in application directory

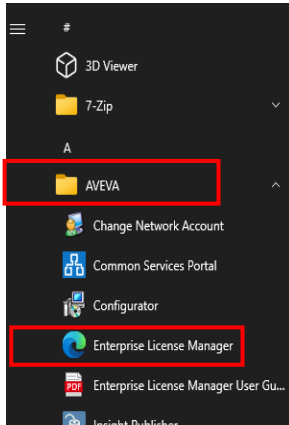
☒ Store log files in specific directory:

Name of logging node:

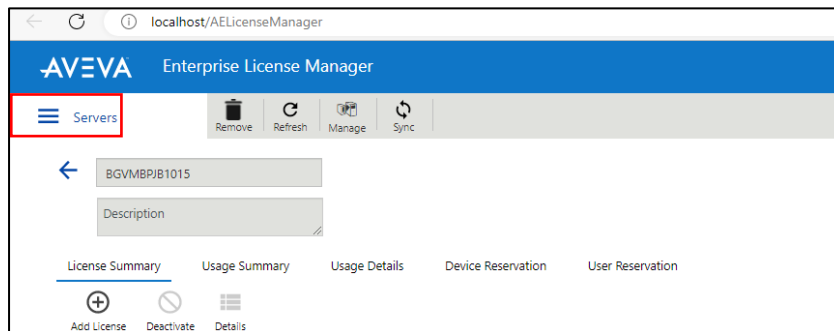
3. Activation / Deactivation of Wonderware Intouch License

3.1 License activation in Intouch license manager system in ONLINE

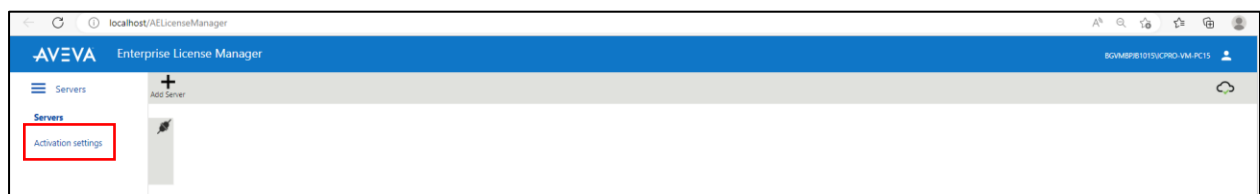
- Launch AVEVA Enterprise License Manager
- The License Manager can be launched from Start > Expand AVEVA > Click on Enterprise License Manager



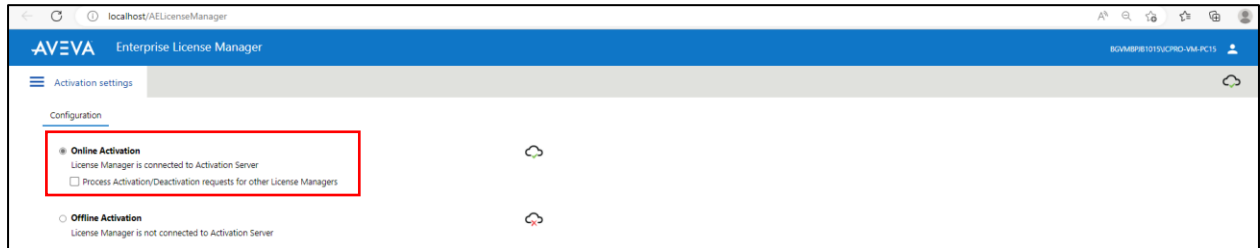
- Click on the Enterprise License Manager the Local Website should be open.
- On opening the License Manager to the Servers page, you should see the **local License Server** listed. It will have the same name as the local computer.
-



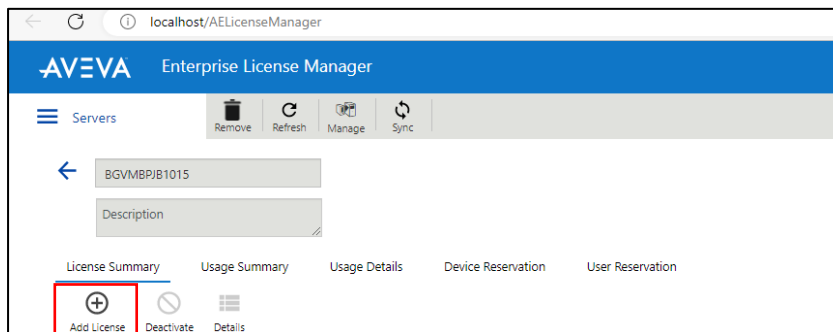
- Click on the Servers for selecting the **server activation**.



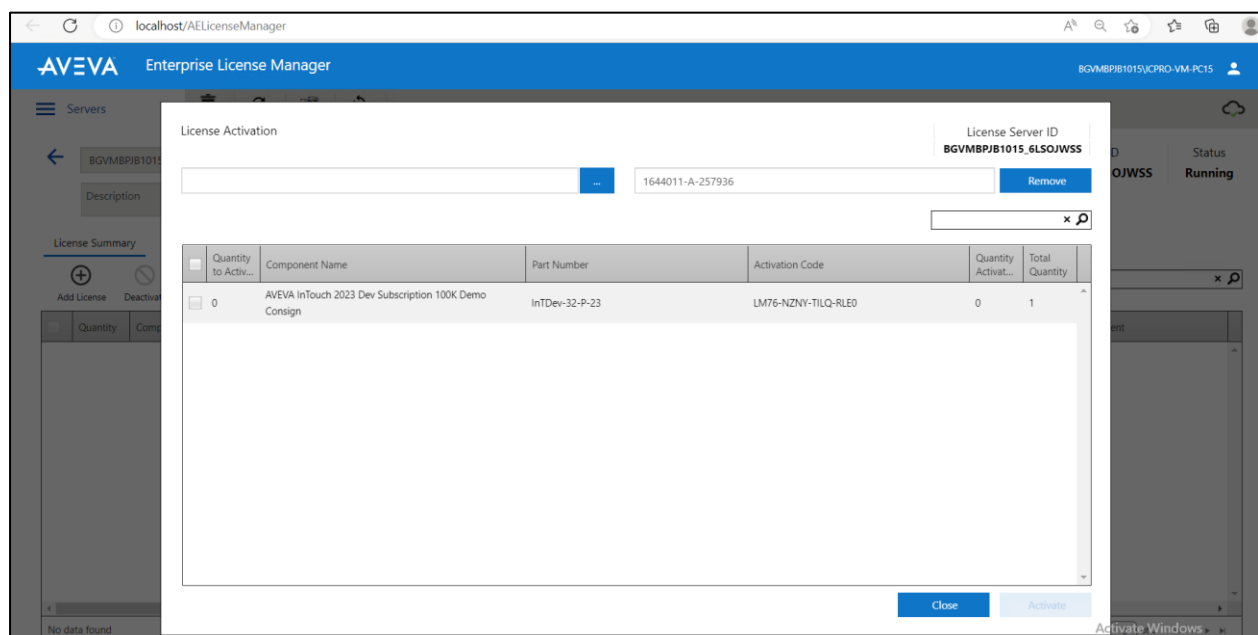
- For setting the server for Online activation, change the **activation settings**. Click the **Menu** icon at top left to reveal the menu and then select **Activation Settings**.



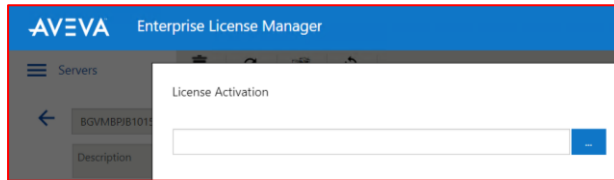
- Under Activation Settings, select the Online Activation option.
- Click the **Menu** icon and return to the Servers page.



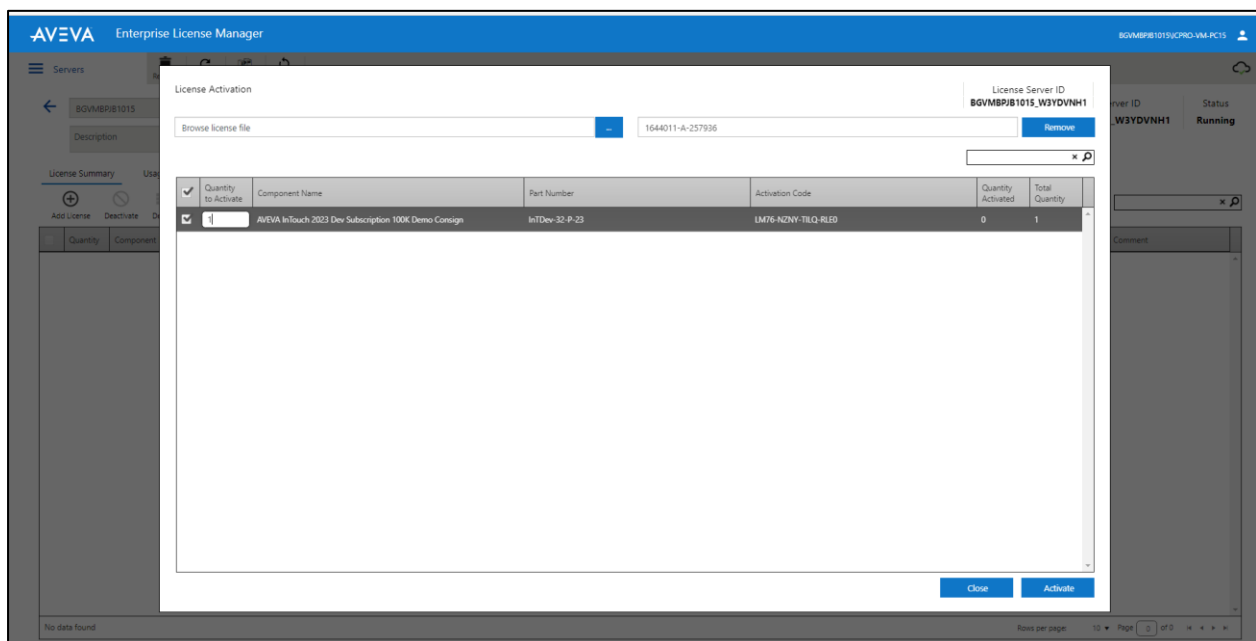
- Click on the **Add** License button to begin an **Online Activation** of License.



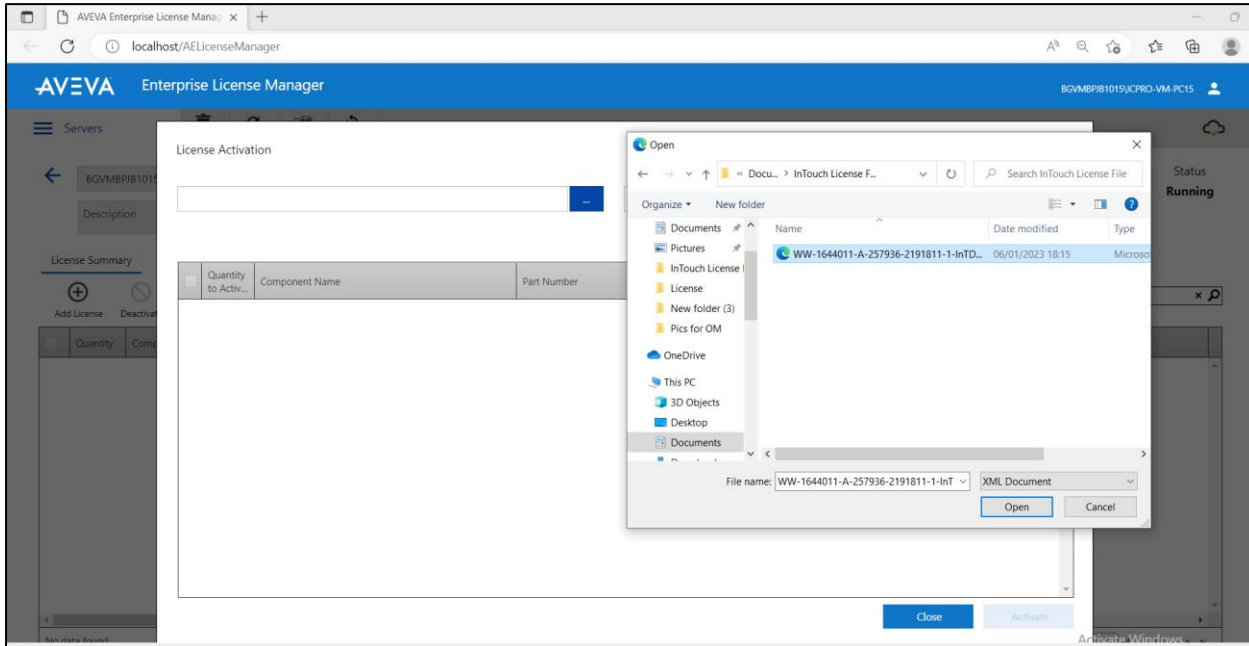
- If any License is shown, click on that License or select the browsing section near the License activation.



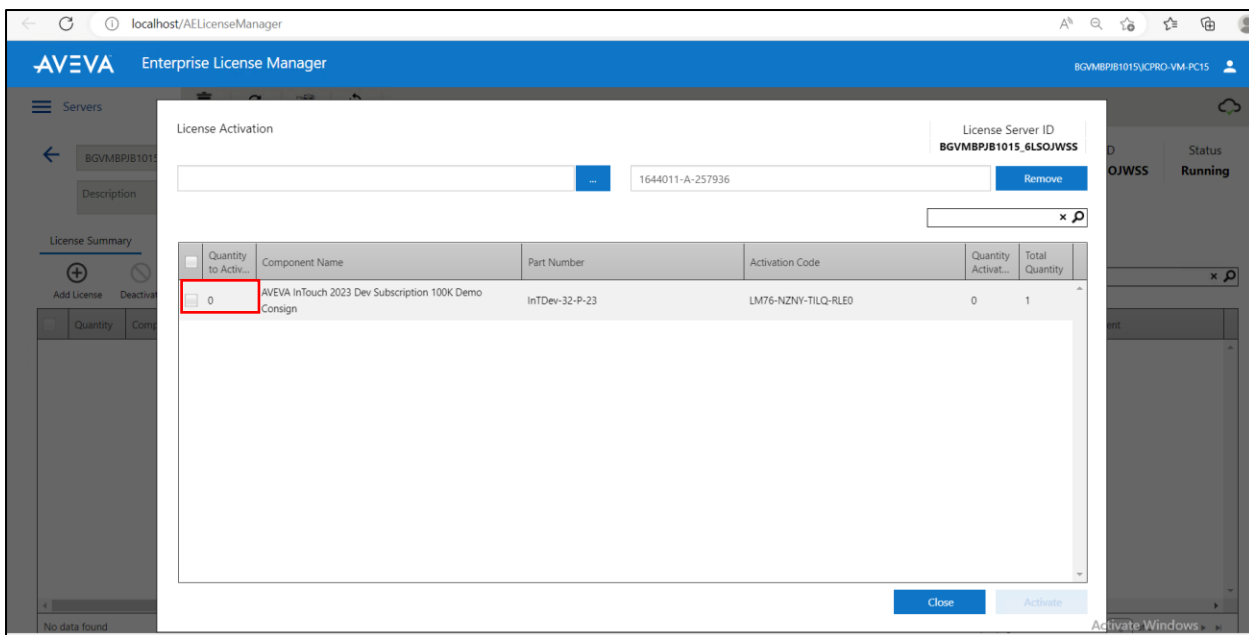
- Click the Dots and browse for the license file (.XML) type.



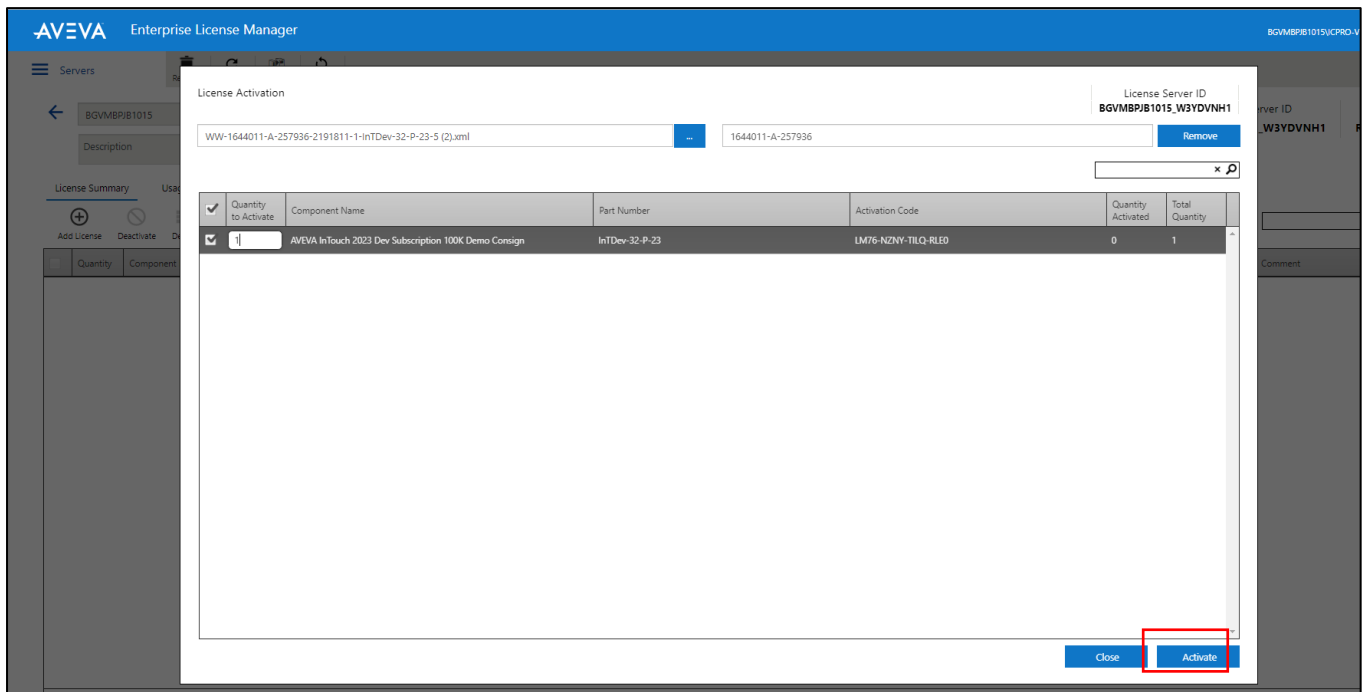
- And Click Activate Button in Bottom of a Screen.
- The License Activation panel will slide out from the right side of the screen. Browse the license file (.XML file)



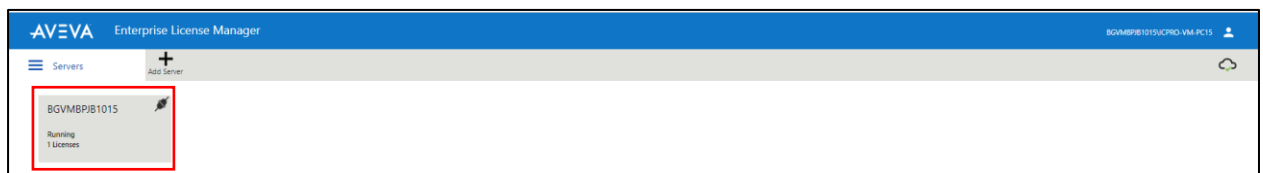
- Click on the **open**, it will be open in the License activation popup
- Click on the Selected License check box.



- Once the Check mark in the Checkbox then Click on the Activate button in bottom of the Activation screen.



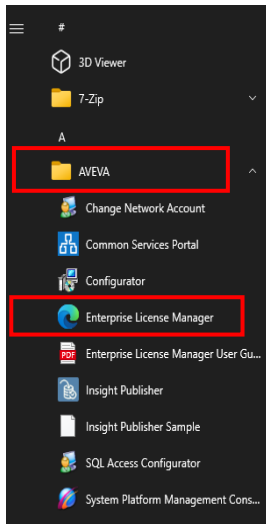
- once the License is activated in Main server screen number of License were running should be shown.



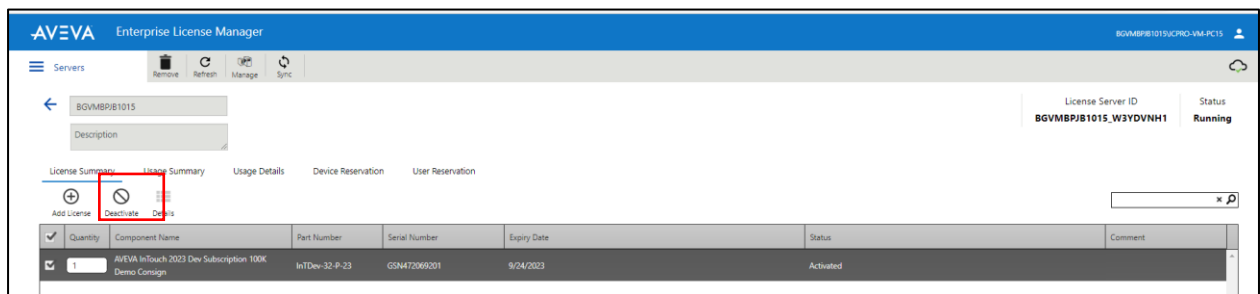
- Click on that Running License current License Details should be shown.

For Deactivation of License

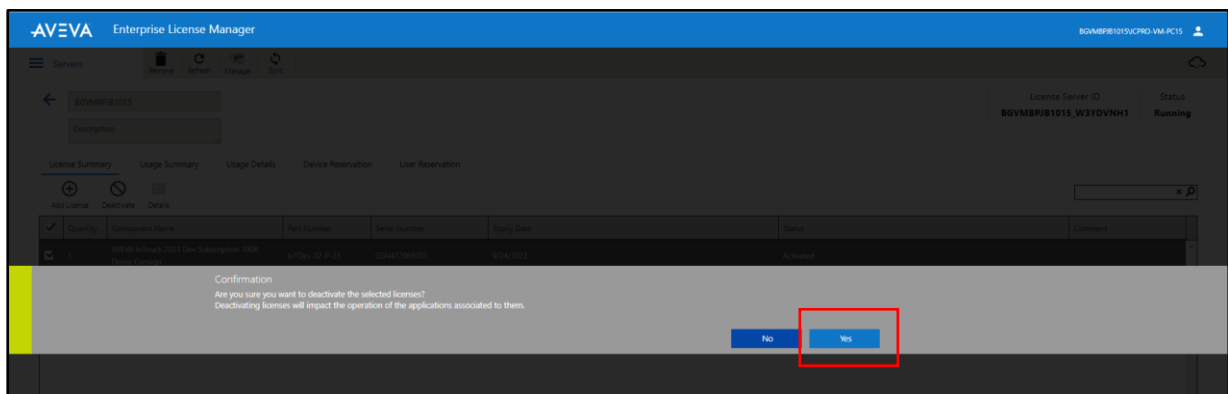
- Launch AVEVA Enterprise License Manager
- The License Manager can be launched from Start > Expand AVEVA > Click on Enterprise License Manager



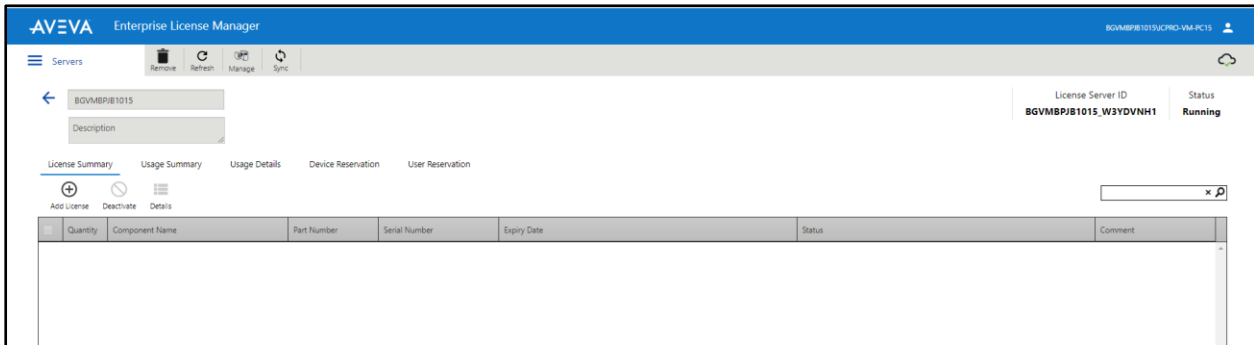
- Click on the Enterprise License Manager the Local Website should be open.
- Select the license which needs to be deactivated.



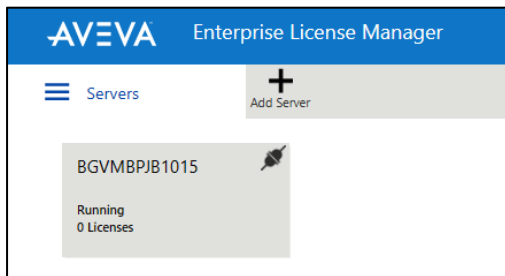
- Once confirmation popup will show for deactivate.



- Click yes on that popup the selecting license for Deactivated.



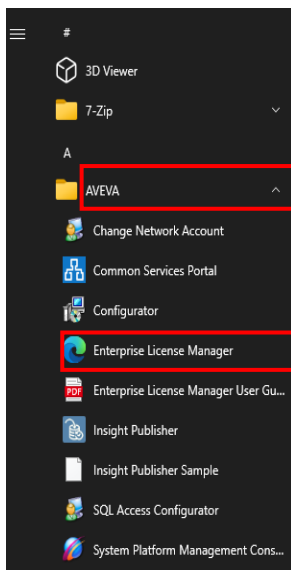
- If License is deactivated the in-activation screen license should be empty.
- Check on the Server for Running License will be a Zero.



2.2 Offline License Activation/Deactivation:

2.2.1 Activation License

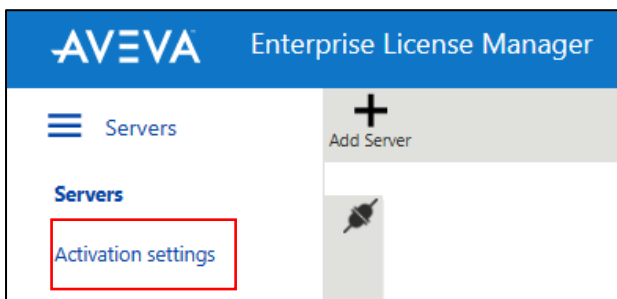
- Launch AVEVA Enterprise License Manager
- The License Manager can be launched from Start > Expand AVEVA > Click on Enterprise License Manager.



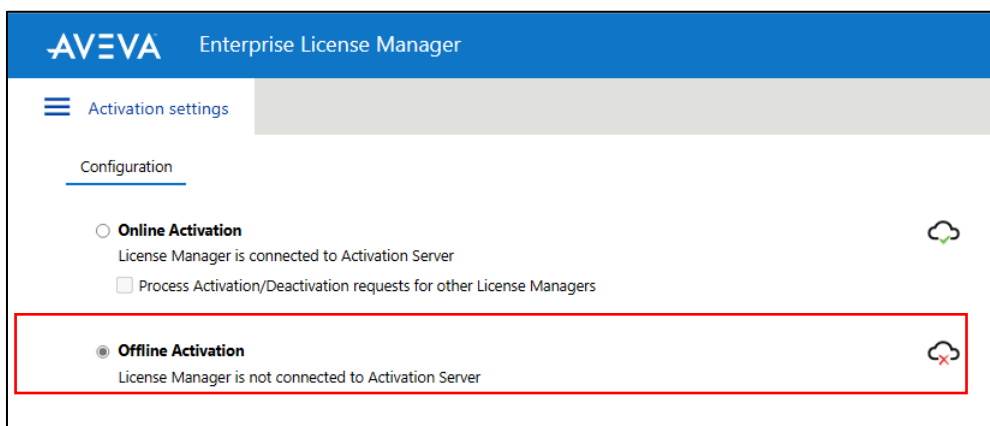
- Click on the Enterprise License Manager the Local Website should be open.
- On opening the License Manager to the Servers page, you should see the **local License Server** listed. It will have the same name as the local computer.



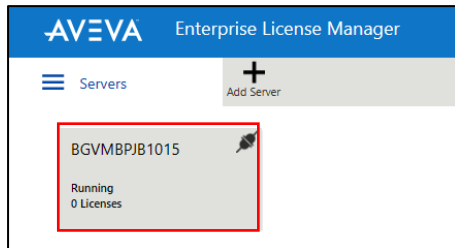
- Click on the Servers Menu.



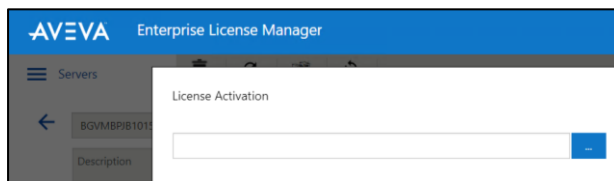
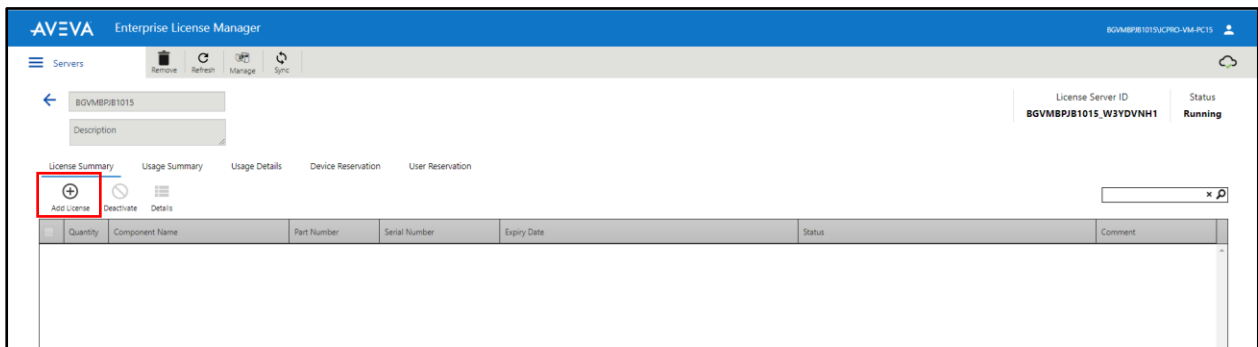
- Click on the Activation settings.
- Under Activation Settings, select the Offline Activation option.



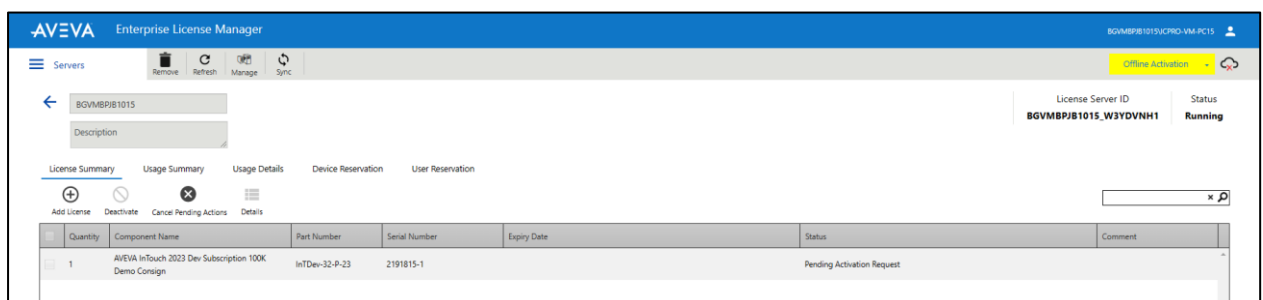
- Click on the server box to go into the license activation area.



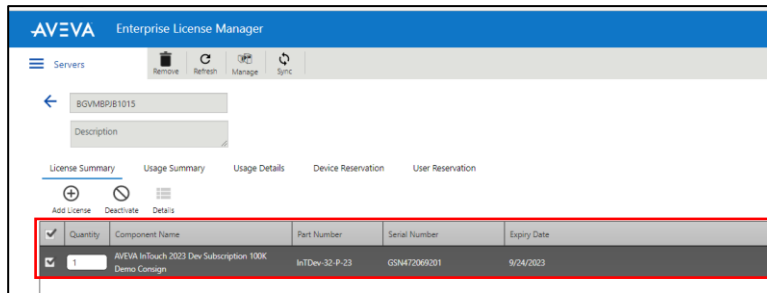
- Click on the **Add License** button to begin an **Offline Activation** of License.



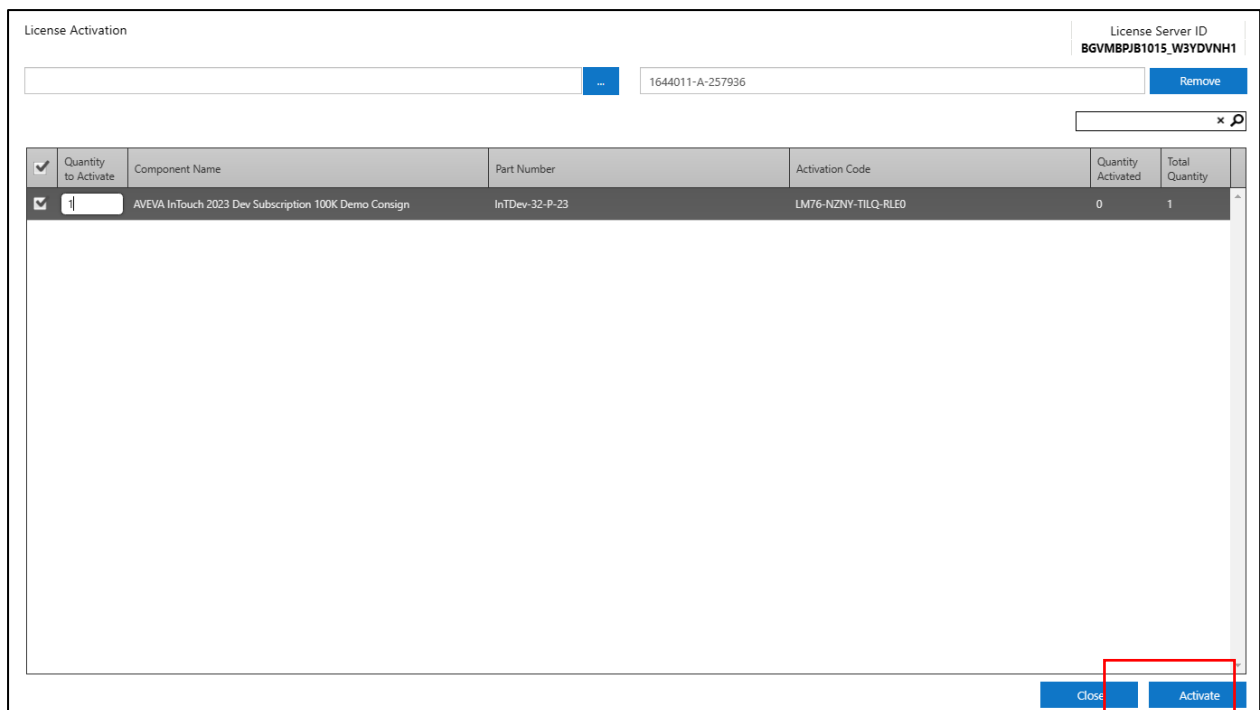
- Click the Dots and browse for the license file (.XML) type.
- The License Activation panel will slide out from the right side of the screen. Browse the license file (.XML file)



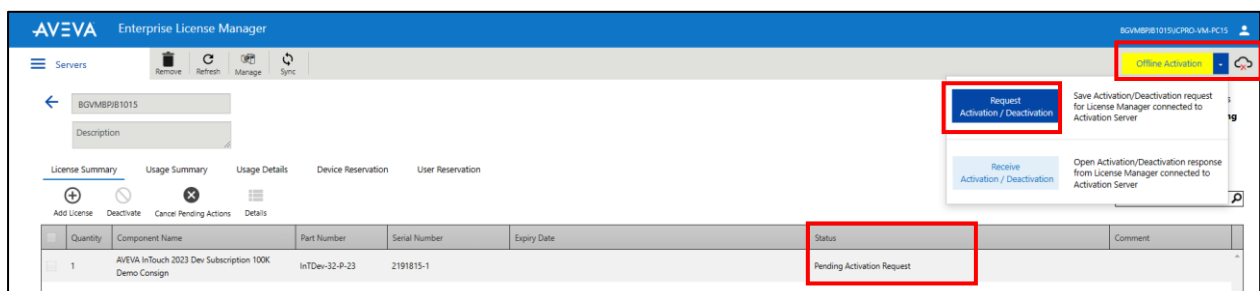
- Click on the box next to the license. A check mark will fill the box, indicating that the license has been selected.



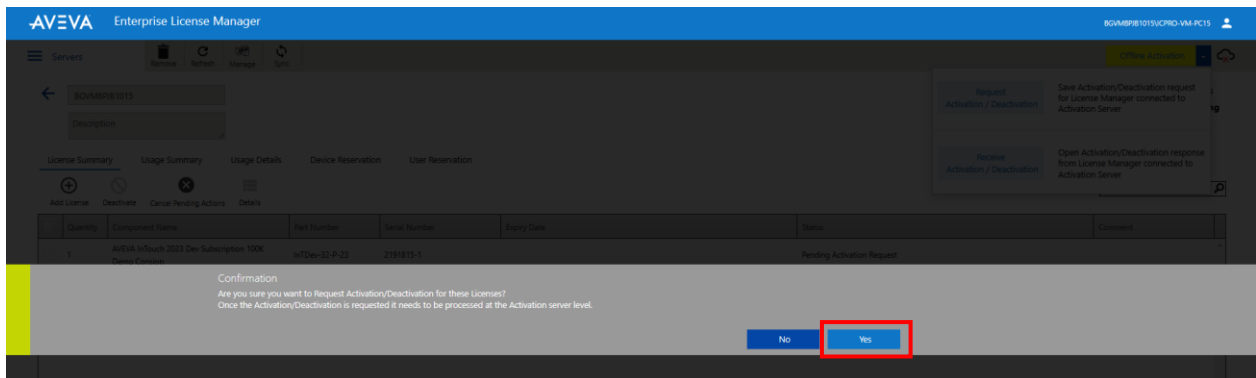
- Click the **Activate** button at the bottom of the License Activation panel.



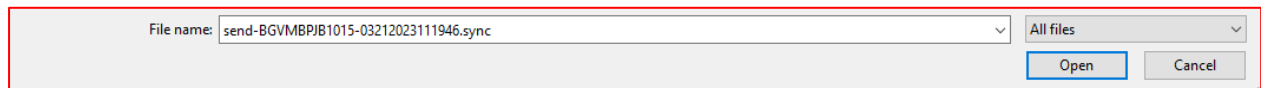
- The license will then show in the License Manager with a status of **"Pending Activation Request"**. Additionally, the Offline Activation select menu will be **highlighted yellow**.
- Click the down-arrow on the **Offline Activation** select menu and select Request Activation /Deactivation



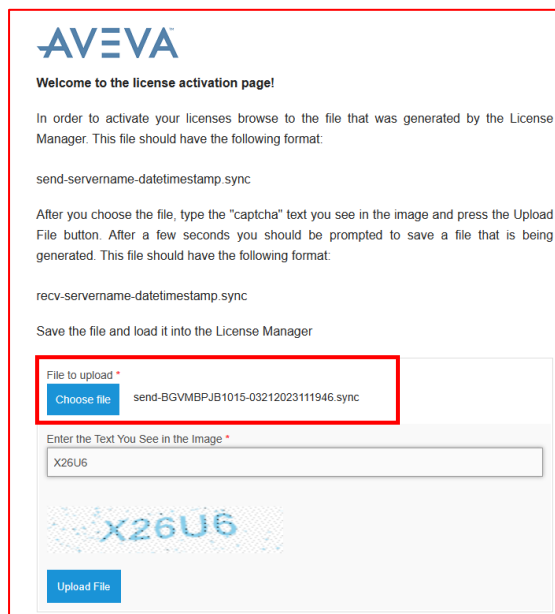
- Click **Yes** on the Confirmation dialog.



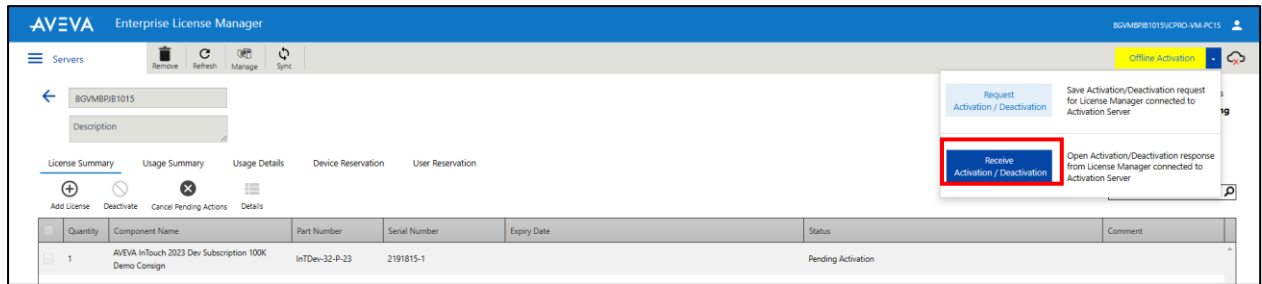
- Now one file will be downloading the file's name begins with "send" and ends with the .sync extension. This is the send. Sync file.



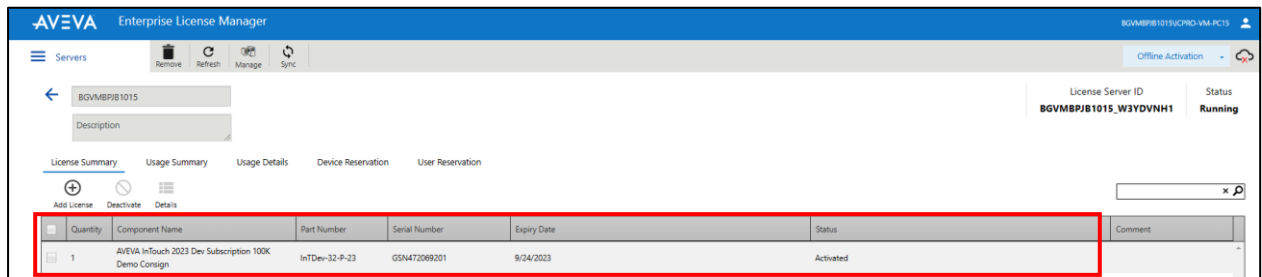
- Locate a computer that has an open connection to the Internet. Insert your portable media. Open a browser (IE, Chrome, or Firefox) and navigate to URL <http://licenseactivation.wonderware.com>.



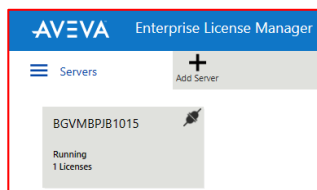
- Click the **Choose** File button. Browse to the location of your portable media and select the send. Sync. file. Enter the Captcha text seen in the image, then click Upload File.
- After uploading the file, you will get one more file in downloads. The file name begins with "recv" and has the .sync extension. This is the recv.sync file.



- On the Offline Activation select menu, select Receive Activation/Deactivation.

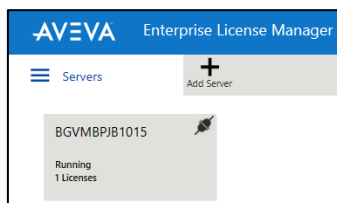


- The receive file is loading and activate automatically.
- The license is now successfully activated!
- In server will show the license is running.

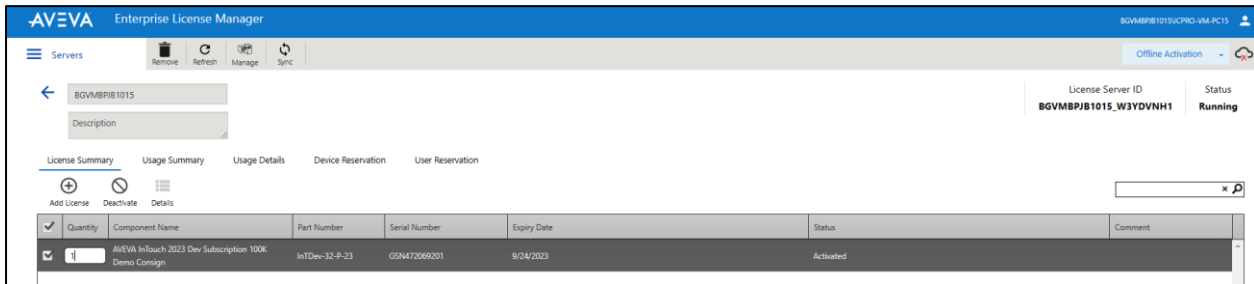


2.2.2 Deactivation License

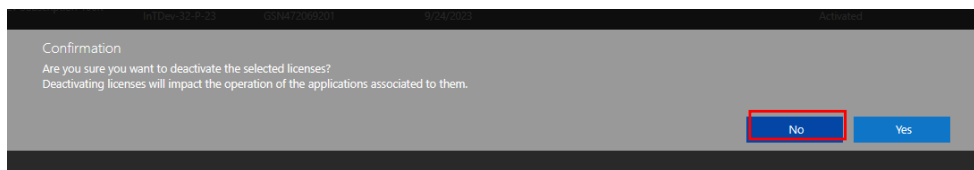
- In Server running license is shown click in the running licenses



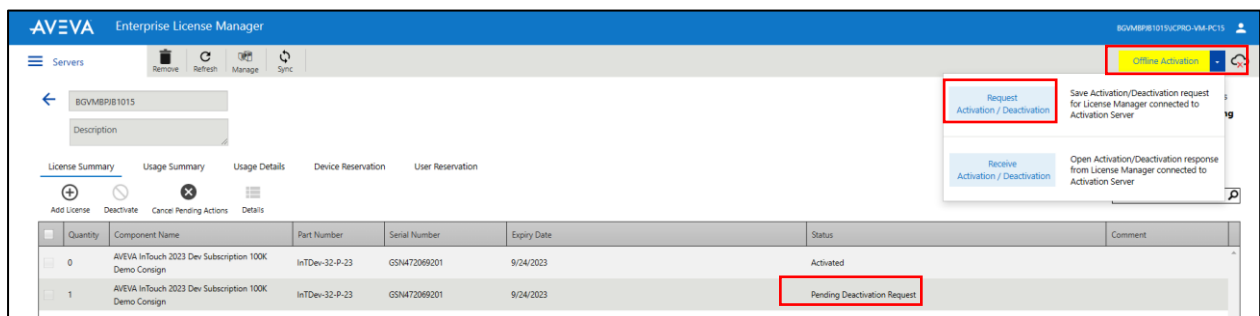
- Select the license which needs to be deactivated.



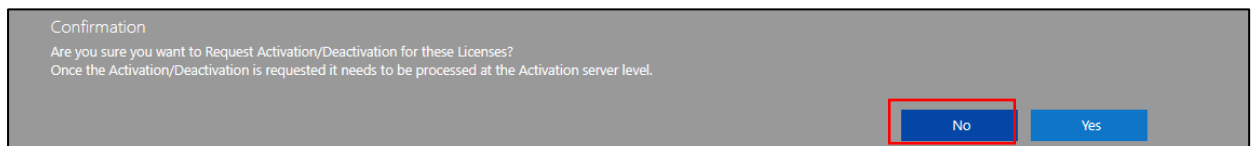
- Click on the Deactivate, Confirmation Popup should be shown. Click **Yes** to deactivate.



- The license will then show in the License Manager with a status of **“Pending Deactivation Request”**. Additionally, the Offline Activation select menu will be highlighted yellow.



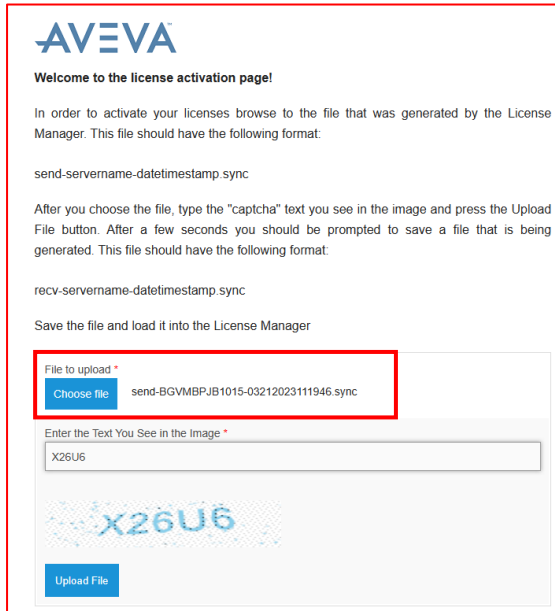
- Click on the Request Activation/ Deactivation, one confirmation Popup will show for deactivate request. Click **Yes** for Deactivate.



- Now one file will be downloading the file's name begins with “send” and ends with the .sync extension. This is the send. Sync file.



- Locate a computer that has an open connection to the Internet. Insert your portable media. Open a browser (IE, Chrome, or Firefox) and navigate to URL <http://licenseactivation.wonderware.com>.



AVEVA

Welcome to the license activation page!

In order to activate your licenses browse to the file that was generated by the License Manager. This file should have the following format:

send-servername-datetime.timestamp.sync

After you choose the file, type the "captcha" text you see in the image and press the Upload File button. After a few seconds you should be prompted to save a file that is being generated. This file should have the following format:

recv-servername-datetime.timestamp.sync

Save the file and load it into the License Manager

File to upload *

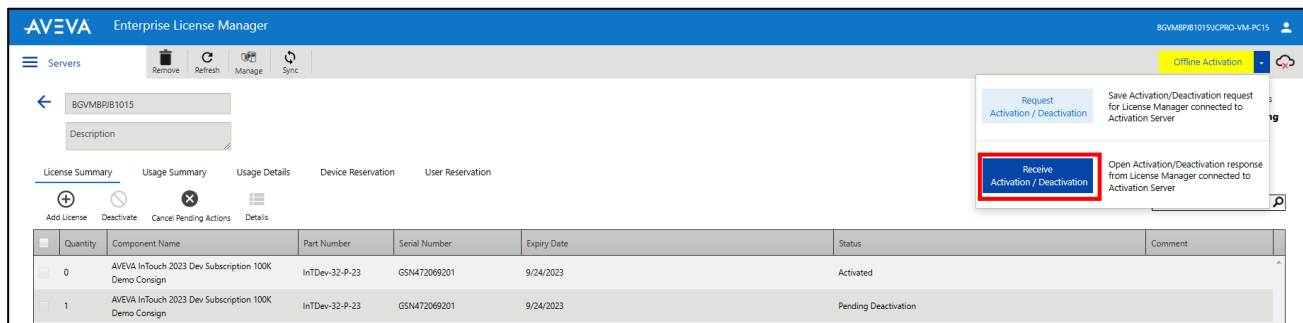
Choose file: send-BGVMBPJB1015-03212023111946.sync

Enter the Text You See in the Image *

X26U6

Upload File

- Click the **Choose** File button. Browse to the location of your portable media and select the send.Sync. file. Enter the Captcha text seen in the image, then click Upload File.
- After uploading the file, you will get one file in downloads. The file name begins with "recv" and has the .sync extension. This is the recv.sync file.



AVEVA Enterprise License Manager

BGVMBPJB1015

Offline Activation

Request Activation / Deactivation

Save Activation/Deactivation request for License Manager connected to Activation Server

Receive Activation / Deactivation

Open Activation/Deactivation response from License Manager connected to Activation Server

Quantity	Component Name	Part Number	Serial Number	Expiry Date	Status	Comment
0	AVEVA InTouch 2023 Dev Subscription 100K Demo Consign	InTDev-32-P-23	GSN472069201	9/24/2023	Activated	
1	AVEVA InTouch 2023 Dev Subscription 100K Demo Consign	InTDev-32-P-23	GSN472069201	9/24/2023	Pending Deactivation	

- On the Offline Activation select menu, select Receive Activation/Deactivation

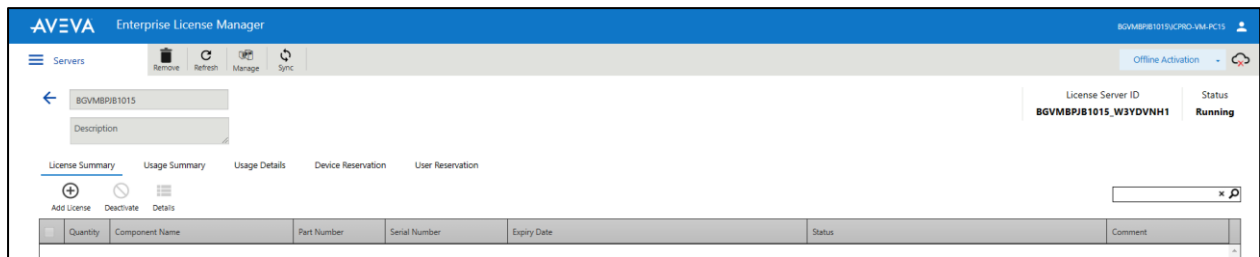


File name: recv-BGVMBPJB1015-03212023111105.sync

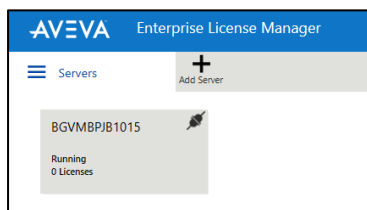
Custom files

Open Cancel

- The receive file is loading and deactivated automatically.



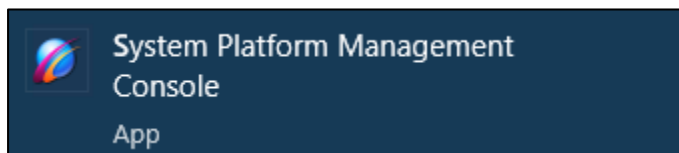
- The license is now successfully deactivated!



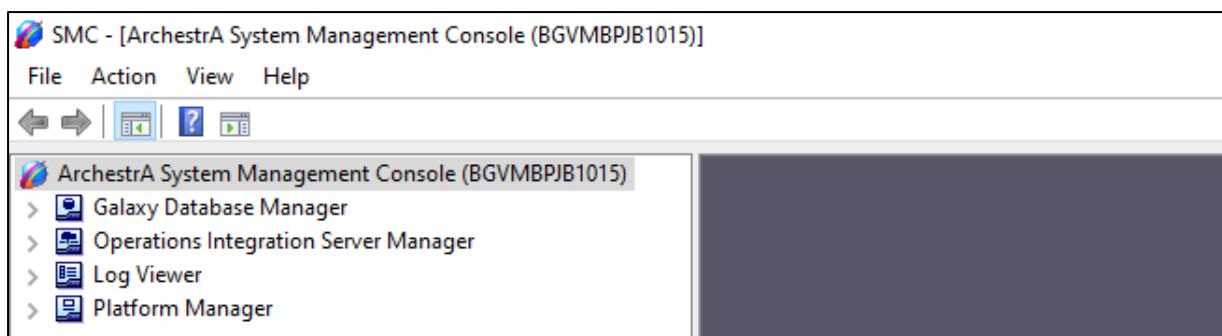
- In server will show the license is running.

4. Backup of an OI Server Configuration:

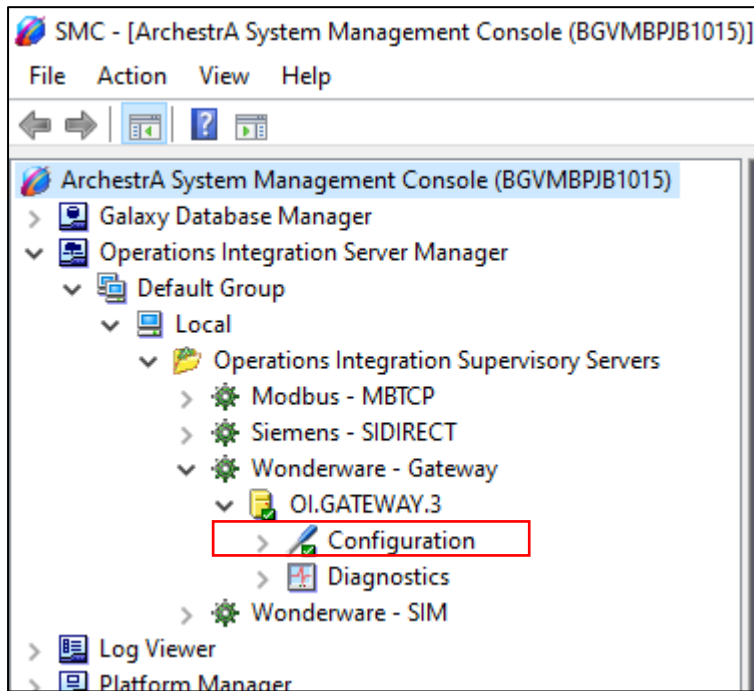
- Open the system Platform Management console



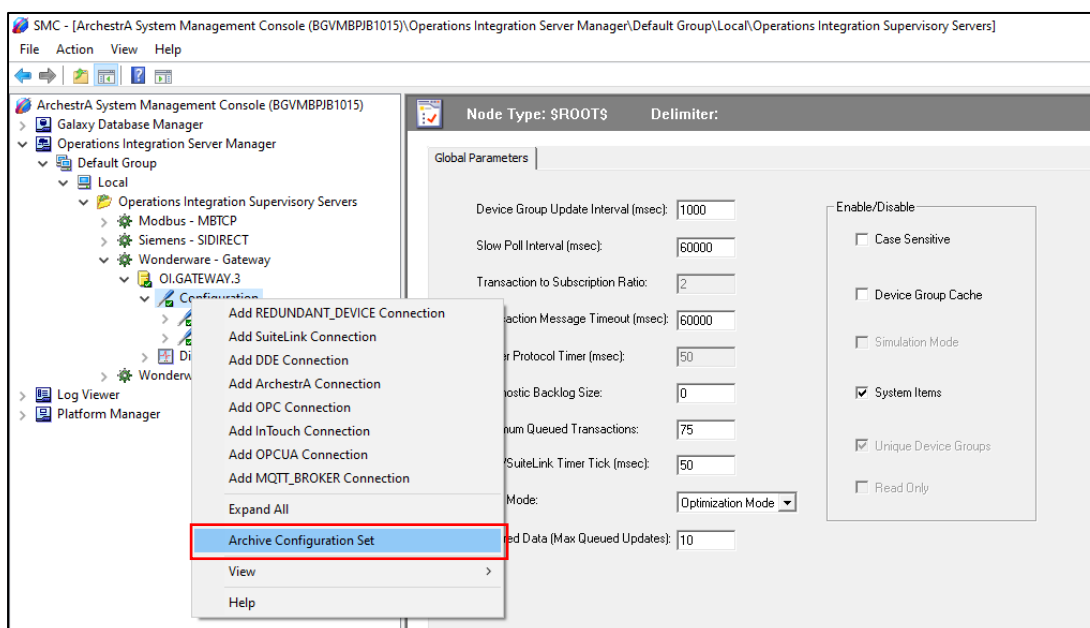
- Open Operation Integration Server Manager,



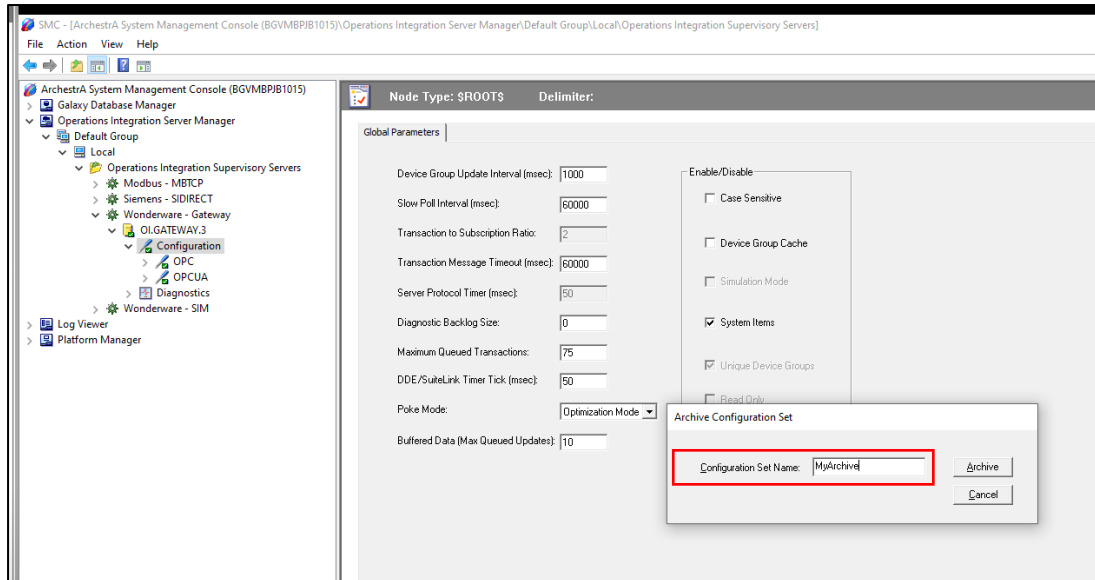
- Expand the Operation Integration Server Manager given below,
Operations Integration server manager > Default Group > Local > Wonderware – Gateway
- Check the system have **OI. GATEWAY** Driver is installed or not
- Right click the OI. GATEWAY and activate,



- Right click the “**Configuration**” of OI. GATEWAY and Click “**Archive configuration set**”



- After clicking Archive Configuration set , one new popup will shown
- Give the “Configuration Set Name” , here we given “**MyArchive**”



- And find the following path of New Configuration set:
C:\ProgramData\Wonderware\OI-Server\\$\Operations Integration Supervisory Servers\$\OI.GATEWAY\OI.GATEWAY
- **Before Archive:**

This PC > Local Disk (C:) > ProgramData > Wonderware > OI-Server > \$\Operations Integration Supervisory Servers\$ > OI.GATEWAY > OI.GATEWAY

Name	Date modified	Type	Size
mqttpublishitems	4/18/2022 7:37 PM	File folder	
GATEWAY.AAcfg	4/5/2020 7:41 PM	AACFG File	3 KB
GATEWAY.AArul	4/23/2022 12:14 PM	AARUL File	48 KB
OPCUA.config	4/5/2020 7:41 PM	CONFIG File	6 KB

- **After Archive:**

This PC > Local Disk (C:) > ProgramData > Wonderware > OI-Server > \$\Operations Integration Supervisory Servers\$ > OI.GATEWAY > OI.GATEWAY

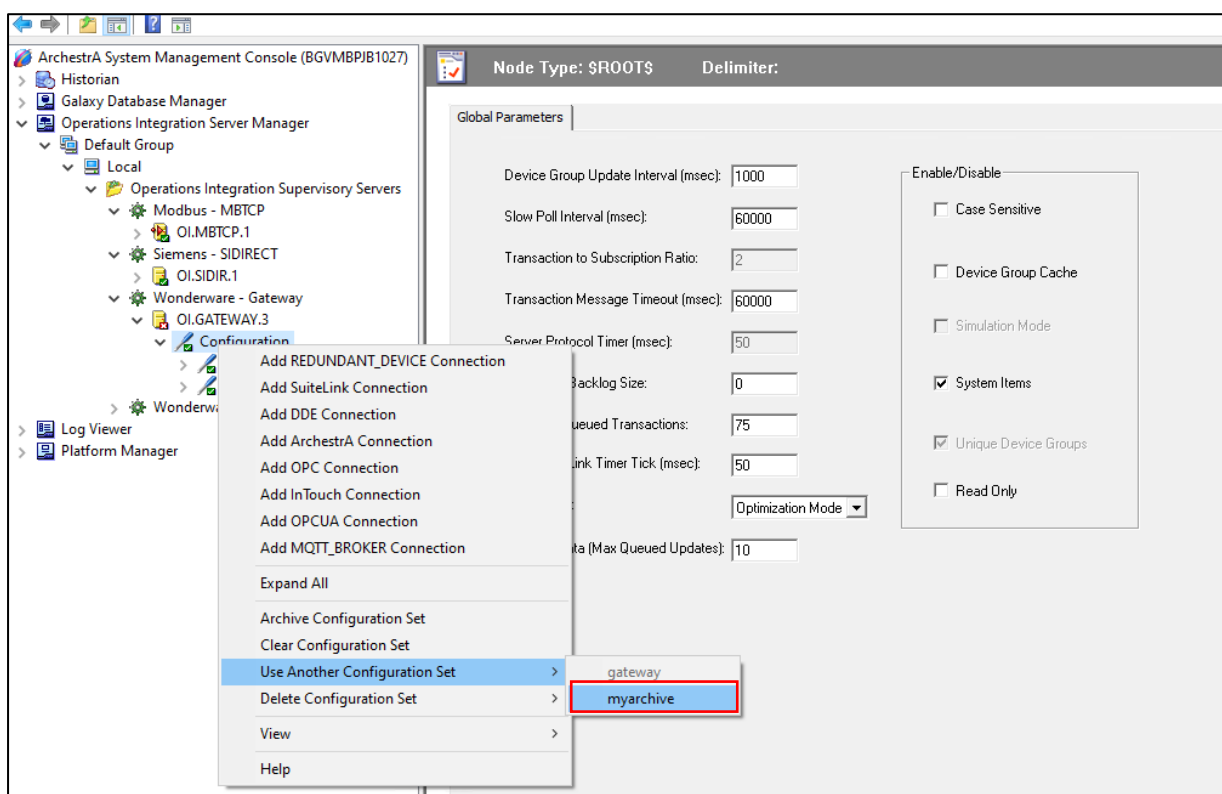
Name	Date modified	Type	Size
mqttpublishitems	4/18/2022 7:37 PM	File folder	
GATEWAY.AAcfg	4/5/2020 7:41 PM	AACFG File	3 KB
GATEWAY.AArul	10/31/2023 5:28 PM	AARUL File	48 KB
MyArchive.aacfg	10/31/2023 5:26 PM	AACFG File	3 KB
OPCUA.config	4/5/2020 7:41 PM	CONFIG File	6 KB

- Here our new archive file “**MyArchive.aacfg**” is created.

- To access the resulting configuration set file, you can find it under:

C:\ProgramData\Wonderware\OI-Server\Operations Integration Supervisory Servers\OI.GATEWAY\OI.GATEWAY

- If you want to use this configuration set on another computer, you can copy and paste the **.AACFG** file to this location on another computer and then use the **Use Another Configuration Set** option to access it.
- Deactivate the “**OI.GATEWAY**” (You can only change the active Configuration Set when the OI-Server is *inactive*. To deactivate an OI-Server, left click on the OI.{OI Server}.#-> icon, then right-click and choose **Deactivate Server**.)



- Otherwise in the computer we can able to identify the same “**myarchive**” will found for Use Another Configuration Set.