



Steps to Activate ZEISS licensed software

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Document version control

Version#	Description of Version	Software Version	Systems applicable	Prepared by	Reviewed by
1.0	Initial release	V16.5	Secondary Workstations	Kishore Sundaresan	Bob Olshausen
2.0	Update usage of product key for activation	V 16.5	Secondary Workstations (High performance and Analysis)	Kishore Sundaresan	Bob Olshausen
3.0	How to handle System swaps?	V 16.5	Secondary Workstations (High performance and Analysis)	Kishore Sundaresan	Pelonio Matt
4.0	Make a generic work instruction for all licensed software via Thales	NavX1.0 V16.5 V16.7	Primary WS (V630) & Secondary Workstations (High performance and Analysis)	Kishore Sundaresan	Mark Shi & Bob Olshausen

Background

XRM does software licensing today via dongles. These dongles are used to authenticate the software that is installed in the customer's workstation. In future it is intended to migrate software licensing to the cloud using Thales.

Thales will be connected to SAP order management system via interface with Flexera. The products and entitlements that are created in SAP will also be available in Thales Back-end portal.

The Thales back-end portal can be used for monitoring software product and feature mappings and for creation and distribution of entitlements to our customers.

Applicability of this document:

This document can be used for the following scenarios:

1. **Software Version:** To activate an entitlement for secondary analysis and secondary high performance workstation software V16.5 and V16.7. This document is also applicable for ZEISS XRM primary workstation software for V630 (NavX software) but not applicable to primary workstations that run Scout-and-Scan software.
2. **Activation in the Product Center:** The activation of entitlement will be done in the Product center for new shipments of secondary workstation. In this case, the production team in the

product center will refer to this document to activate the entitlement provided by the order desk.

3. **Activation in the Field or customer location:** For the field upgrades, the Field Service Engineer (FSE) will use this training document to activate the entitlement based on the entitlement ID provided by the Product center.
4. **Repair and Re-host:** This training document can also be used in combination with Revocation document to re-host (in other words re-activate the entitlement id after revocation) the software on the secondary workstation.

Responsibilities

Process	Location	Responsible team
Activation in the product center	Product Center	Production personnel
Activation in the field	Customer location	Field Service personnel
Entitlement Certificate generation	Product Center	XRM Order Desk
Repair and Re-host process	Customer Location	Field Service personnel
Training and distribution of this document	Product Center	Technical Service Group (TSG)

Definition of terms

Thales – Software to manage licensing

SWL – Software Licensing

FSE – Field Service Engineer

TSG – Technical Service Group in XRM

PC – Product center or XRM Factory

ZLMT – Zeiss License management Tool that will help in the activation process.

RMS – Research Microscopy Solutions

Field – Customer Location

V16.5 & V16.7 – Software versions of Scout and Scan used on the Secondary Workstation

NavX1.0 – Software used on primary workstations for Versa 630

CIT – Corporate information technology

XRM – X-ray Microscopy

How to Activate?

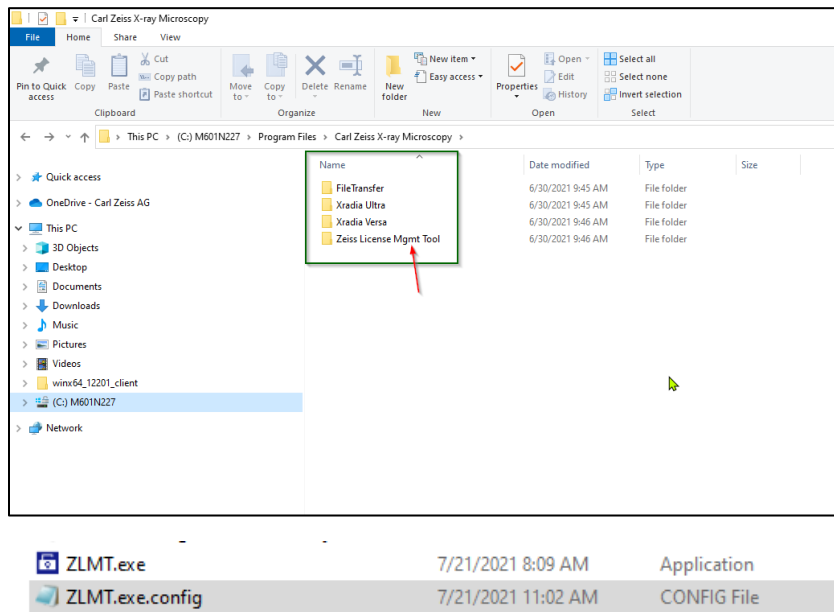
1. Start activation

When a new instrument with software is ready to ship, the ZLMT (ZEISS License Management Tool) will be pre-installed by the production personnel using the ghost. These installation instructions should be updated and available in the manufacturing process.

To start activation please go to the following path in the secondary workstation:

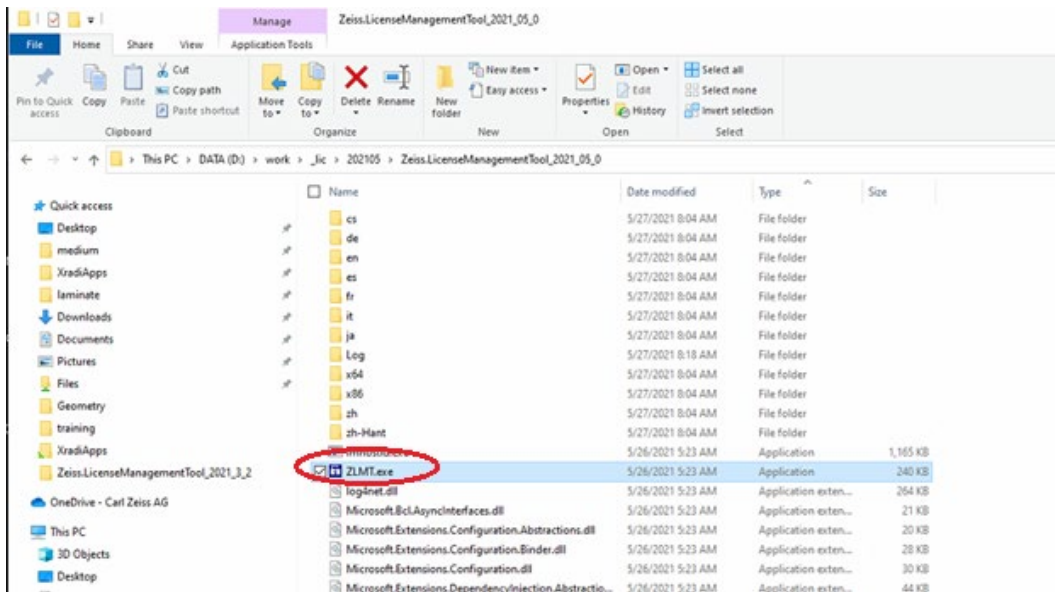
C:\Program Files\Carl Zeiss X-ray Microscopy\Zeiss License Mgmt Tool

The “Zeiss License Mgmt Tool” folder will have the ZLMT.exe and the Config File (ZLMT.exe.config) which will be used for activation of software licenses.

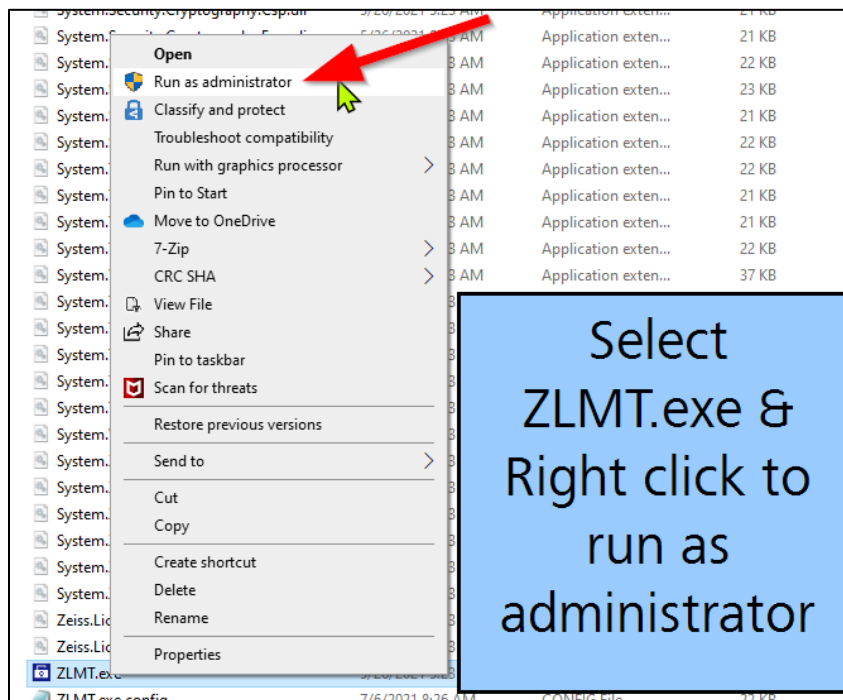


Before starting the activation process, determine if the workstation is online or offline.

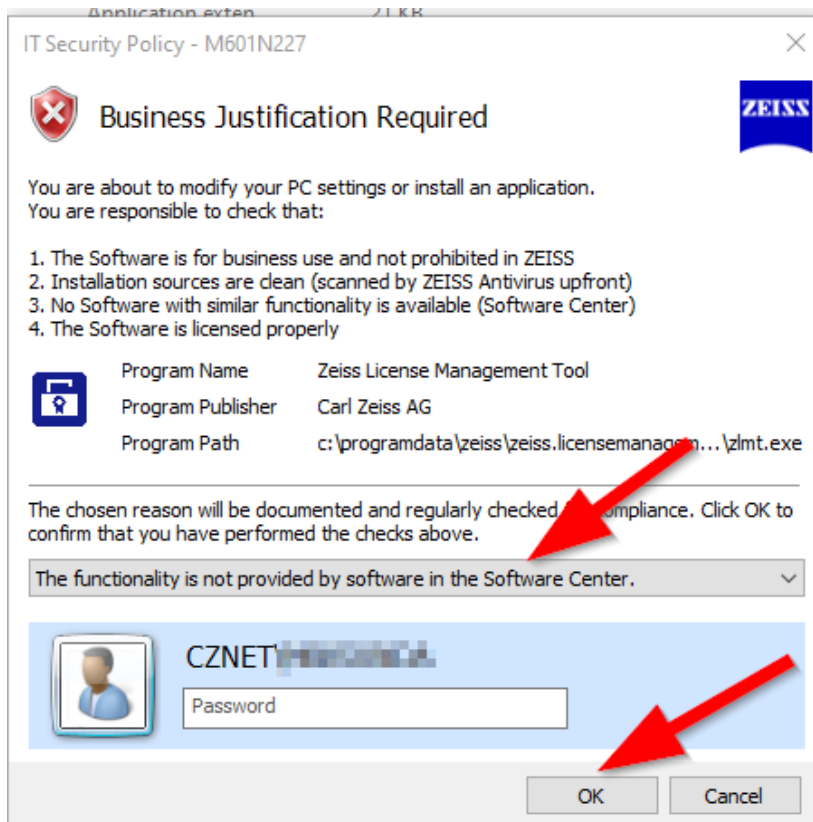
Run this file ZLMT.exe as administrator in order to activate the licenses. Activation steps are mentioned in the following sections of this document.



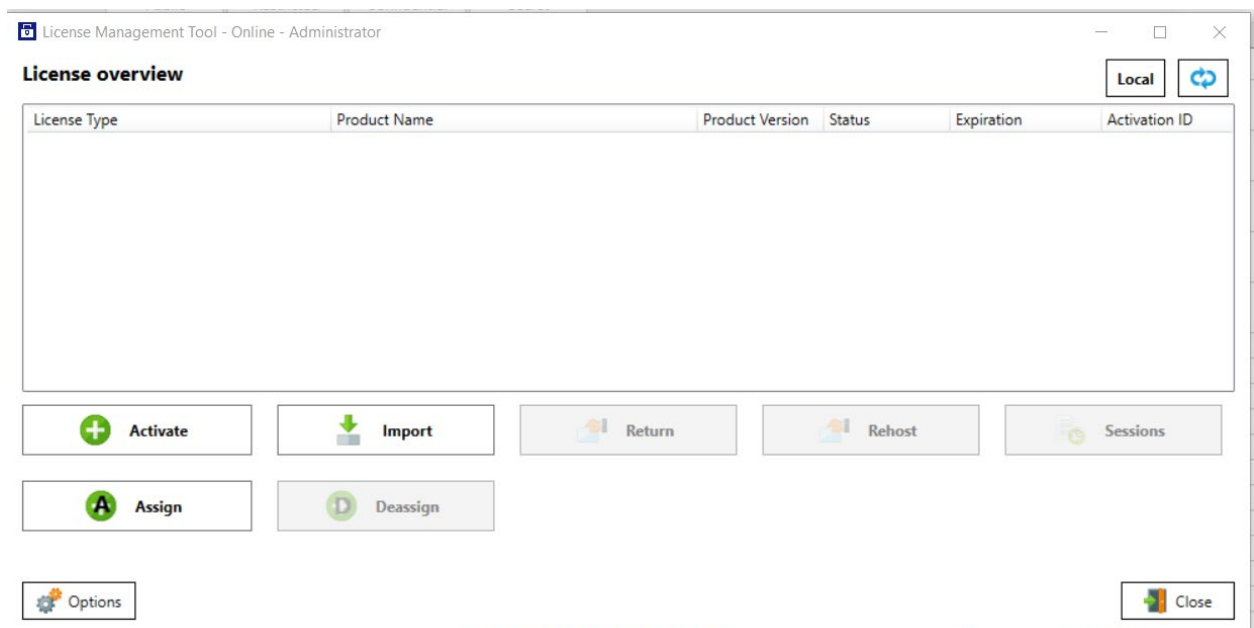
Right click and Run as administrator



Enter business justification.



The ZLMT tool will open up for activation.



For any questions or issues on ZLMT installation or other licensing issues please contact: licensing-muc.microscopy@zeiss.com

2. Activate License Using Entitlement ID

A unique number called “Entitlement ID” will be needed to activate the license. This can be used for activation of license at the customer site or at the ZEISS factory.

The Entitlement ID can be found in the certificate (top right corner of the certificate) generated by the product center and shipped with the software/upgrade to the customer’s site. A sample certificate is shown for reference below:

ZEISS

Certificate Number: [Redacted]

Entitlement Certificate

Issued to: [Redacted]

Carl Zeiss grants the right to activate the following product(s):

Product Key	Product	Order Number	Expiration	Seat Count
[Redacted]	ZEISS Scout-and-Scan V620-Secondary	[Redacted]	PERMANENT	1
[Redacted]	ZEISS DeepRecon Pro and OptiRecon bundle	[Redacted]	PERMANENT	1

The product keys will be required to activate your ZEISS software license on a computer. Please download our manual ZEISS Software Licensing Activating Software Licenses Online/Offline to find out how to activate your software. You can find it under the following link:
www.zeiss.com/license-activation-XRM

If you have any questions, please contact your local ZEISS office.

Note: Please keep this certificate after activating the software. In case of a computer change, you would need it again. You can find more information about the procedure in the above-mentioned manual.

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[Barcode]

There are 2 methods to activate a license:

1. If the workstation is connected to internet, then it is called **Online Activation**.
2. If the workstation is not connected to internet, then it is called **Offline Activation**.

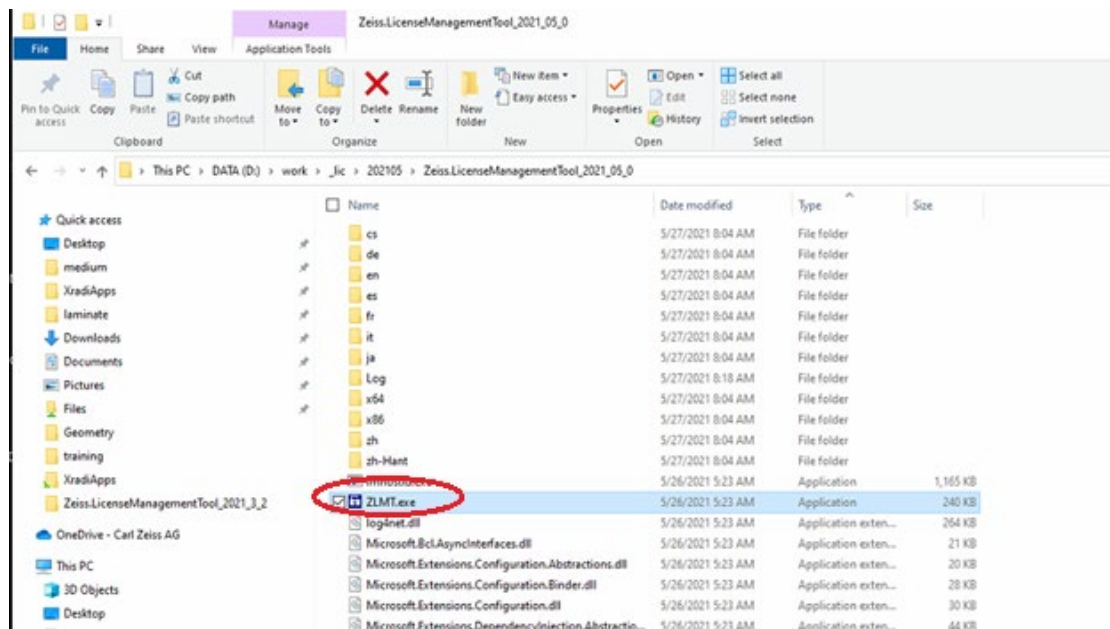
3.1 How to do Online Activation?

The license activation will be performed through the Thales licensing portal on workstation which must be connected to public Internet.

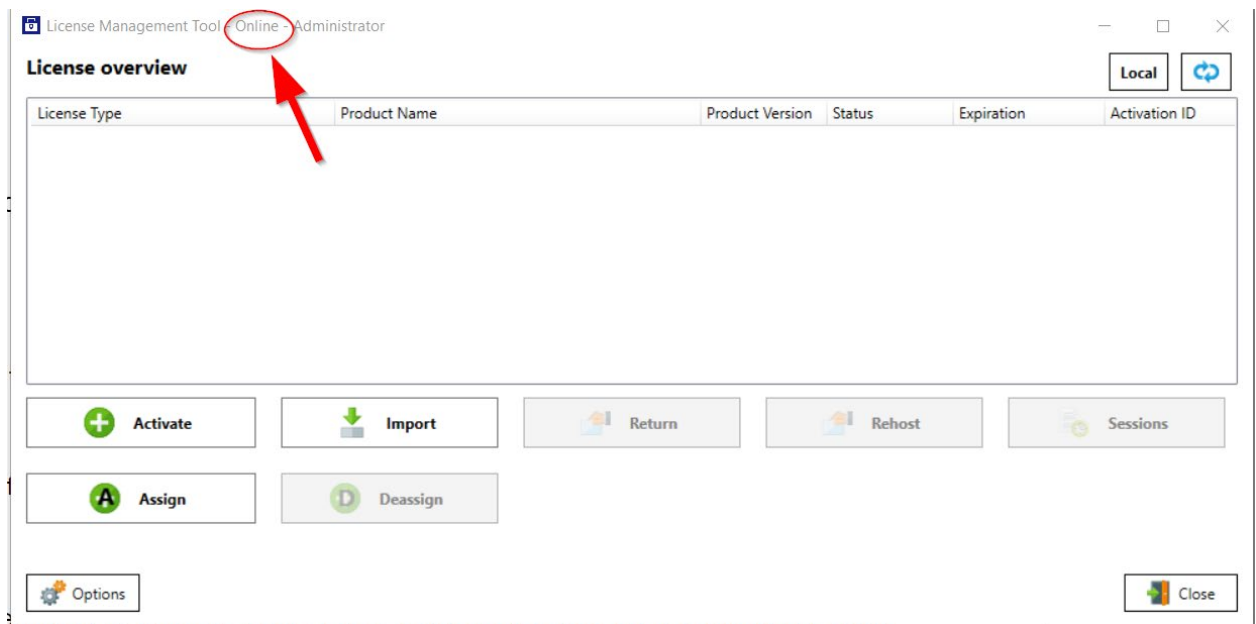


Launch ZLMT for activation in Online Workstation

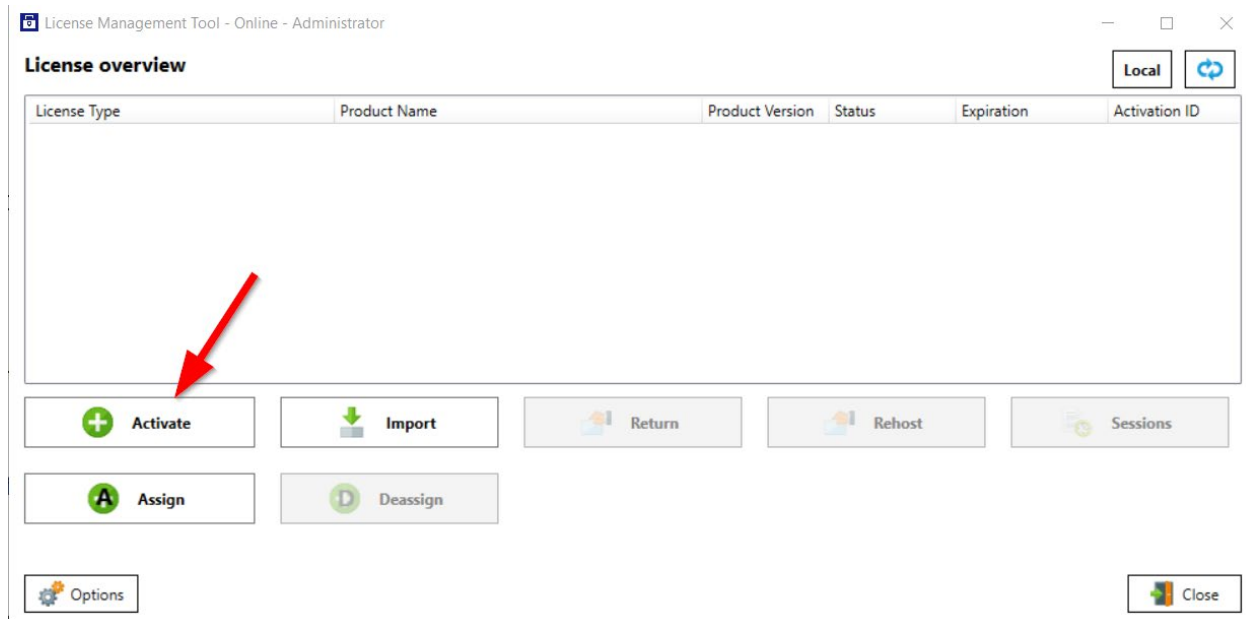
Launch ZLMT application by clicking ZLMT.exe in the installed folder and run it as administrator.



IF the workstation is online, it can be seen in the activation tool.



ZLMT GUI will show the Activate screen. Hit the Activate button shown below



When starting the first activation, the License overview is empty.

On the next ZLMT screen, select the License model. For XRM the license model is PC-Bonded. Input the entitlement ID in the license key field then press Activate license button on the right to start the activation process.

License Management Tool - Online - Administrator

This section is for activating new licenses. Enter the Entitlement ID or the Productkey below and click "Activate license".

☒ PC-Bonded
 ☐ Dongle
 ☐ Hostname
 ☐ Custom
 ☐ MAC / Ethernet
 ☐ UUID

EntitlementID(s) / ProductKey(s)

(Split keys with ';' to enter more than one license key)

Back

Activate license

Always Select PC-Bonded for XRM workstations

DONOT select any of these options for XRM workstations

Input the entitlement ID from the certificate or the product key on to the License key field.

1. If multiple products in certificate must be activated in the same workstation, Use Entitlement Certificate number to activate.

ZEISS

Certificate Number: 11111111-1111-1111-1111-1111

Entitlement Certificate

Issued to: Product Manufacturing Co., Ltd.

Carl Zeiss grants the right to activate the following product(s):

Product Key	Product	Order Number	Expiration	Seat Count
11111111-1111-1111-1111-1111	ZEISS Scout-and-Scan V620-Secondary	11111111	PERMANENT	1
11111111-1111-1111-1111-1111	ZEISS DeepRecon Pro and OptiRecon bundle	11111111	PERMANENT	1

The product keys will be required to activate your ZEISS software license on a computer. Please download our manual ZEISS Software Licensing Activating Software Licenses Online/Offline to find out how to activate your software. You can find it under the following link:
www.zeiss.com/license-activation-XRM


If you have any questions, please contact your local ZEISS office.


Note: Please keep this certificate after activating the software. In case of a computer change, you would need it again. You can find more information about the procedure in the above-mentioned manual.

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Barcode

2. If the product listed on the certificate need to be activated separately then use the Product key listed below to activate.







Certificate Number: 

Entitlement Certificate

Issued to: 

Use the product key listed here if this product must be activated in a separate workstation

Carl Zeiss grants the right to activate the following product(s):


Product Key	Product	Order Number	Expiration	Seat Count
	ZEISS Scout-and-Scan V620-Secondary		PERMANENT	1
	ZEISS DeepRecon Pro and OptiRecon bundle		PERMANENT	1

The product keys will be required to activate your ZEISS software license on a computer. Please download our manual ZEISS Software Licensing Activating Software Licenses Online/Offline to find out how to activate your software. You can find it under the following link:
www.zeiss.com/license-activation-XRM

If you have any questions, please contact your local ZEISS office.

Note: Please keep this certificate after activating the software. In case of a computer change, you would need it again. You can find more information about the procedure in the above-mentioned manual.

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Enter the Entitlement certificate number or the Product key in the License key field below.

The product key must be used when the products need to activated in separate workstations.

License Management Tool - Online - Administrator

This section is for activating new licenses. Enter the Entitlement ID or the Productkey below and click "Activate license".

☒ PC-Bonded

☐ Dongle 

☐ Hostname

☐ Custom

☐ MAC / Ethernet

☐ UUID

Input Entitlement ID or Product Key

EntitlementID(s) / ProductKey(s)

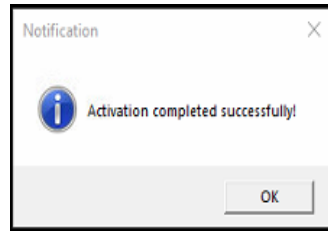
(Split keys with ';' to enter more than one license key)

Back

Activate license

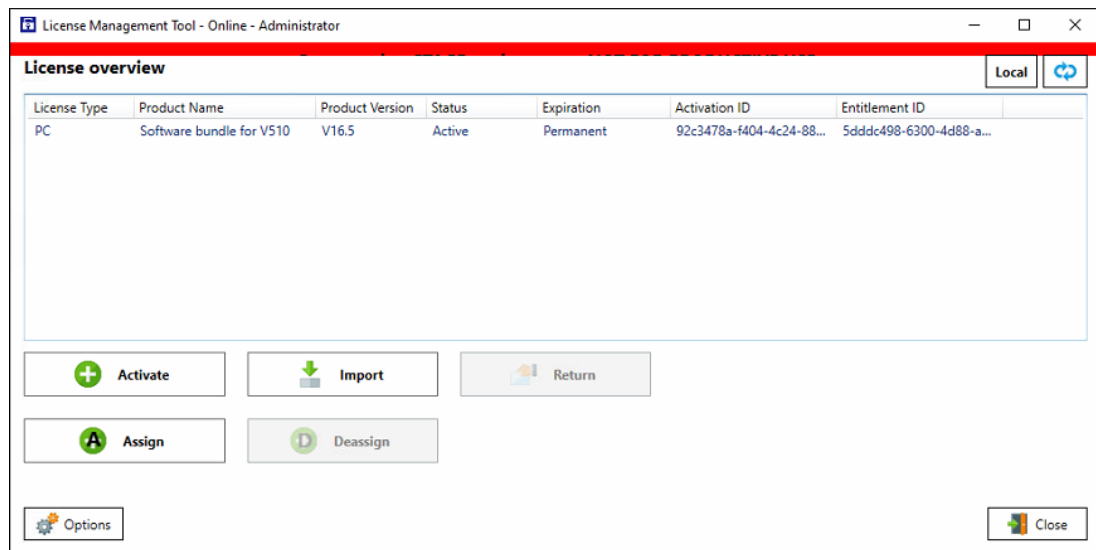
Click the button "Activate License".

Once the activation process is completed, following popup will be displayed



Click Back button.

And the license will be displayed in the License overview window:



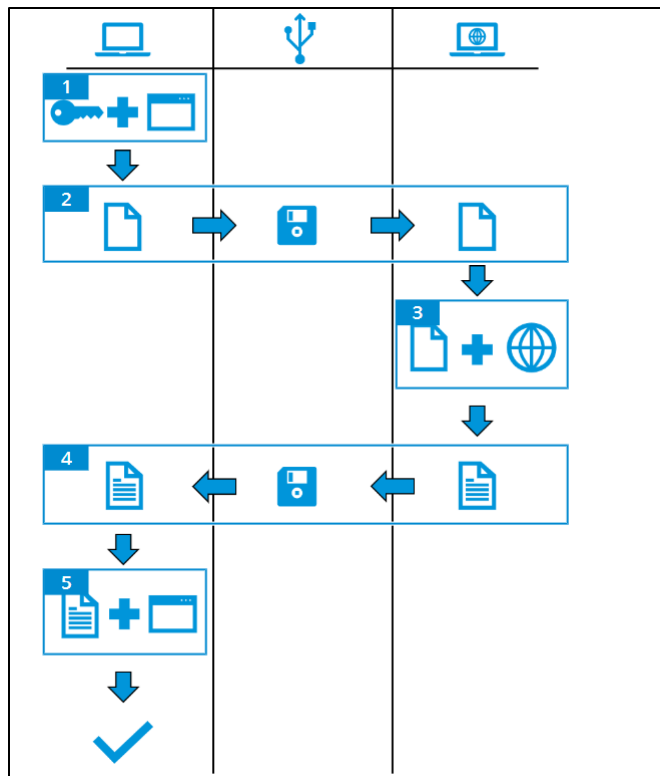
3.2 How to do offline activation?

This type of activation is used only when the workstation is not connected to internet.

CAUTION!

Please note – FSE will need to pull file off the system computer, download to a computer connected to the internet (can be ZEISS or Customer PC), bring updated file back to system and upload on system. Make sure to get permission from Customer before going onsite.

Following chart shows the process flow to activate in offline workstation.



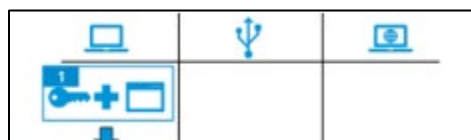
Explanations of above Figure:

1. Input the Entitlement key in the ZLMT activation on offline workstation.
2. Transfer the activation request file from the offline workstation to another online workstation (connected to internet).
3. Upload the activation request file to Thales Portal from the online workstation.
4. Verify the license information on the Thales Portal screen
5. Click "Activate" button to activate the product license
6. Once Activation is completed, a license file (.zlic) will be created
7. Download the license file and transfer it to the offline workstation
8. Import the license file using the ZLMT (attached the screenshot here)
9. The product key will be written into the license file into following folder:
C:\ProgramData\Zeiss

The steps below are done in sequence as per the Offline process flow:

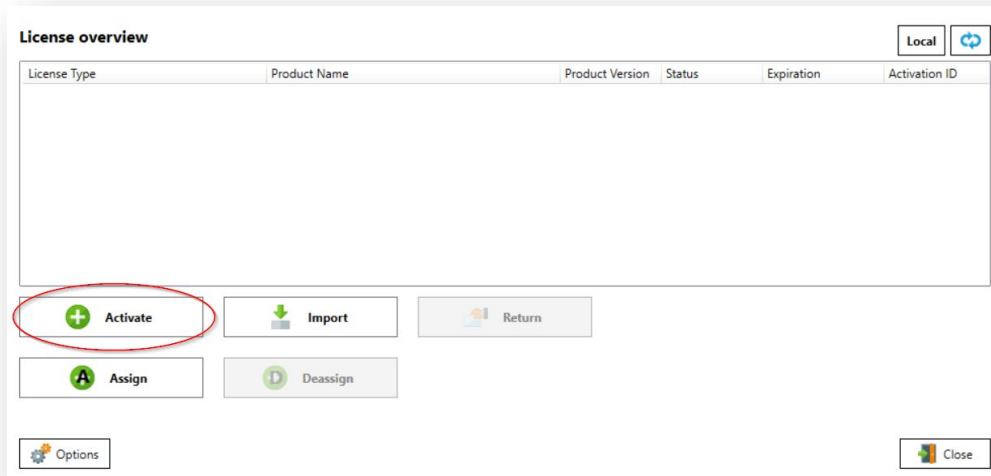
1. Generate Activation file from Offline Workstation

Launch ZLMT application by clicking the ZLMT.exe in the installed folder and run it as administrator from the offline workstation.

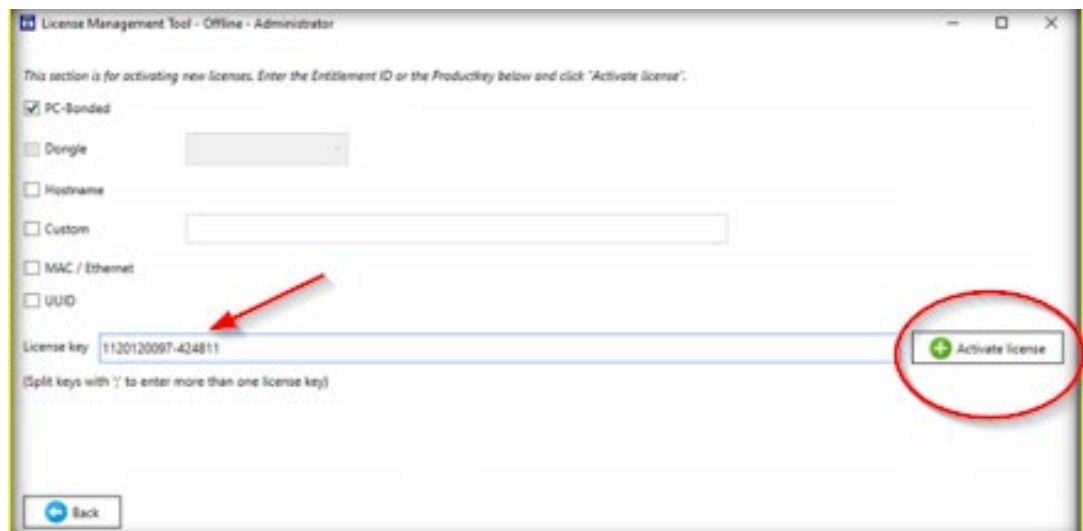


ZLMT GUI will show the Activation screen and the list of licenses for that workstation. In the screenshot below the License overview shows another software bundle for V510 was already activated. Ignore that list for now and....

Hit the Activate button shown below.

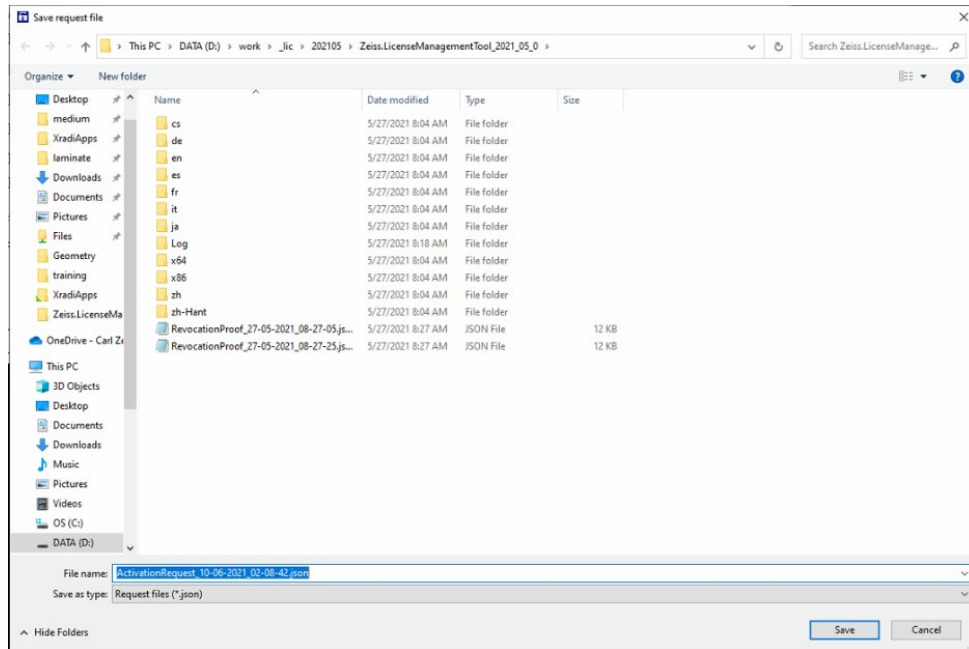


In the next ZLMT screen, select the License model. For XRM the license model is PC-Bonded. Input entitlement ID in the license key field then press Activate license button on the right to start the activation process.

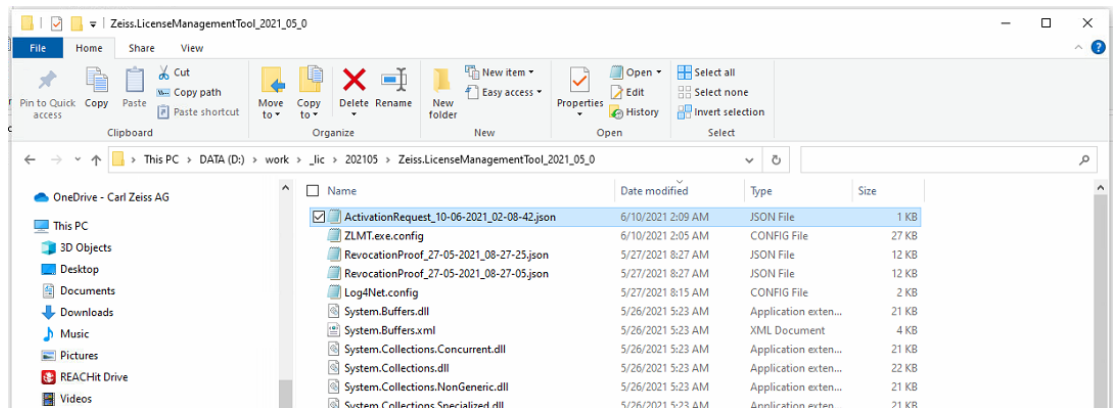


The Activation GUI will provide a popup window for FSE to select the folder to store the activation request file, a .JSON file.

Please note this *.JSON file can be stored in any folder.

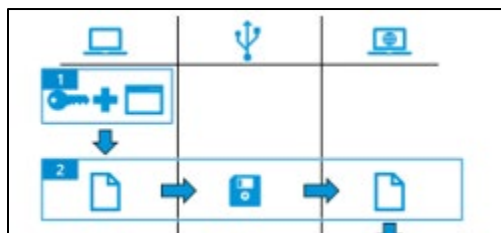


Once the process is completed, the activation request file will be generated and stored on the offline workstation.



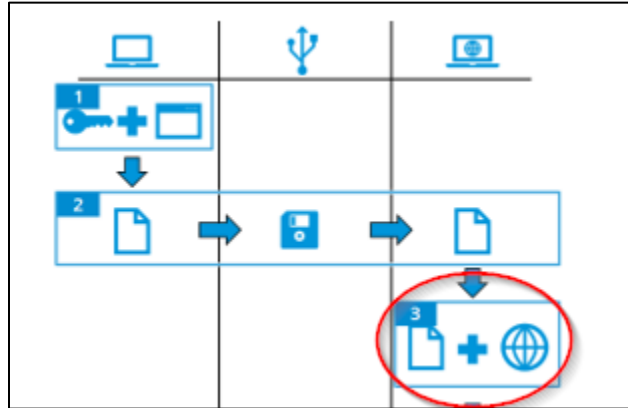
2. Transfer Activation file to Online PC

This file needs to be copied to another flash drive (or other storage methods as per the customer security restrictions) and transferred over to an online workstation.



3. Activation in Online PC

Once the file is copied over to an online PC (can be ZEISS PC or Customer's PC, just needs internet access), activation can be done using the [Thales Back-end Portal](#).



Click on the Browse button below to load the .JSON file transferred from Step 2

The screenshot shows the 'Software Licensing' portal with the 'Activation' tab selected. The form includes fields for 'Load file', 'Product key/Entitlement id', 'Locking code', 'Locking mode', and 'Device name'. A red arrow points to the 'Browse' button next to the 'Load file' field. The 'Activate' button is at the bottom of the form.

As soon as the *.JSON file is loaded on the portal, the other fields Entitlement ID, locking code, locking mode and Device name are automatically updated.

The screenshot shows the 'Software Licensing' portal with the 'Activation' tab selected. The form is now populated with data from the loaded JSON file. The 'Load file' field is circled in red and contains the text 'ActivationRequest_10-06-2021_02-08-42.json'. The 'Product key/Entitlement id' field contains '1120796907424811', the 'Locking code' field contains '*1AZXK3NGZL574FR', the 'Locking mode' field contains 'PC', and the 'Device name' field contains 'M501Q101'. The 'Activate' button is at the bottom of the form.

Enter activation data manual or load from file

Load file: Browse

Product key/Entitlement id:

Locking code:

Locking mode: ▾

Device name:

Finally click the Activate button to complete the activation process in the online PC.

STAGE Software Licensing

Activation Revocation

Enter activation data manual or load from file

Load file: Browse

Product key/Entitlement id:

Locking code:

Locking mode: ▾

Device name:

A message is displayed after activation as shown below.

STAGE Software Licensing

Activation Revocation

Enter activation data manual or load from file

Load file: Browse

Product key/Entitlement id:

Locking code:

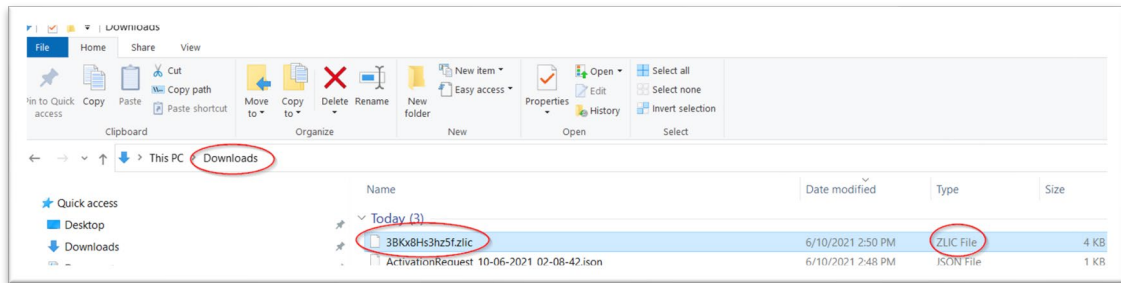
Locking mode: ▾

Device name:

Activation and download successful. File is in the download folder.

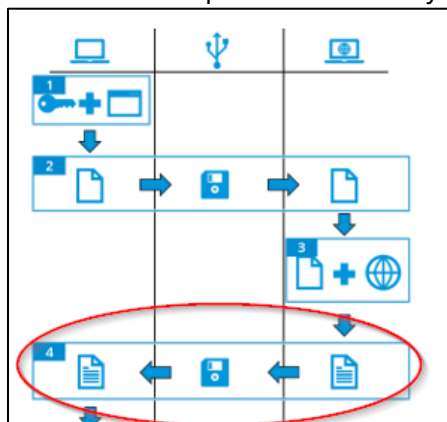
You can find the License file in the “Downloads” folder of the online PC.

File format is a *.ZLIC file.

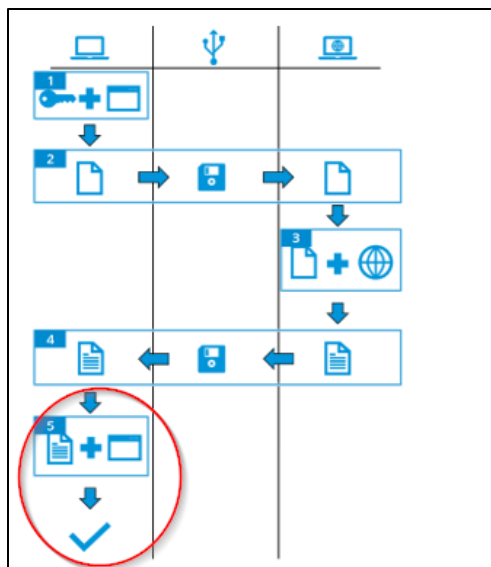


4. Transfer the License file from Online PC to Offline Workstation

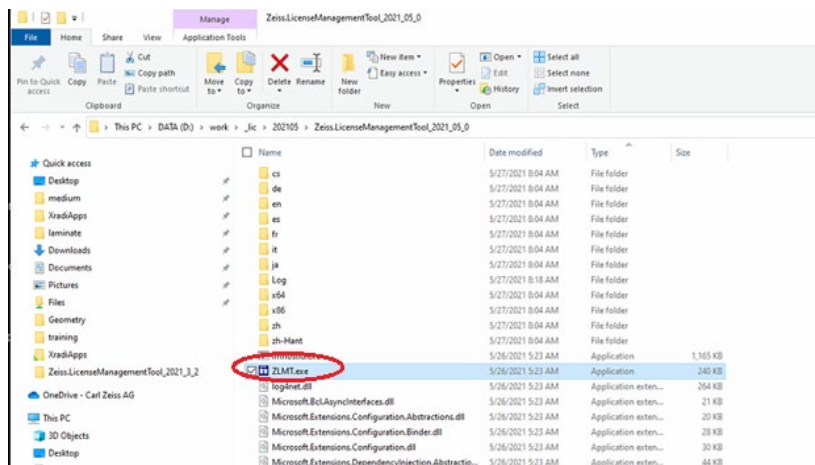
This can be done as per client security restrictions.



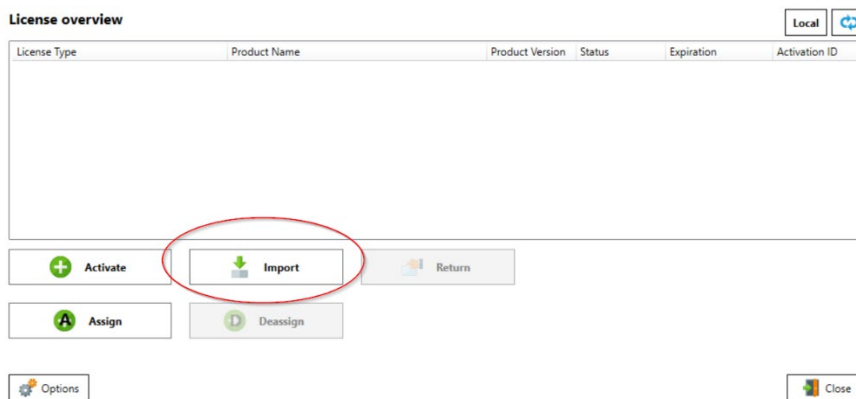
5. Complete Activation in Offline Workstation



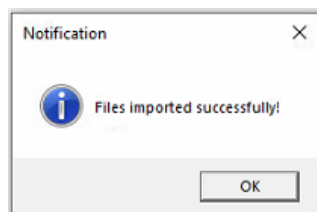
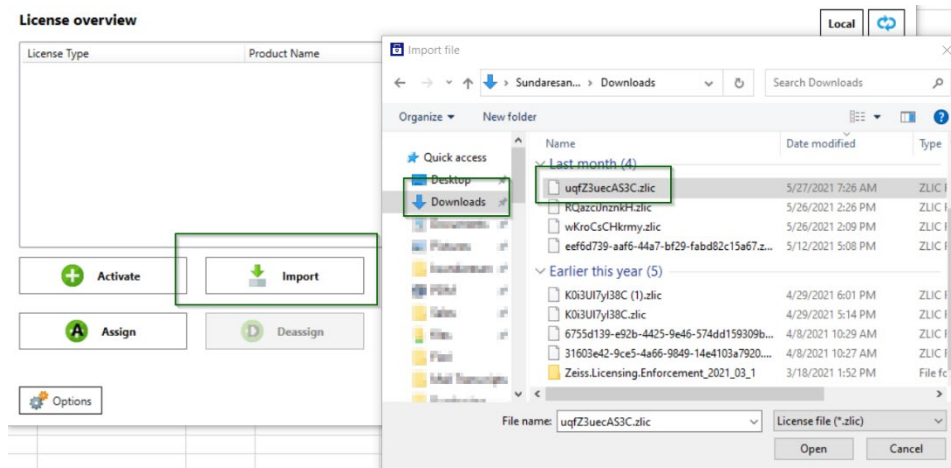
Launch ZLMT as an administrator and Import the License file (*.ZLIC) using the ZLMT.



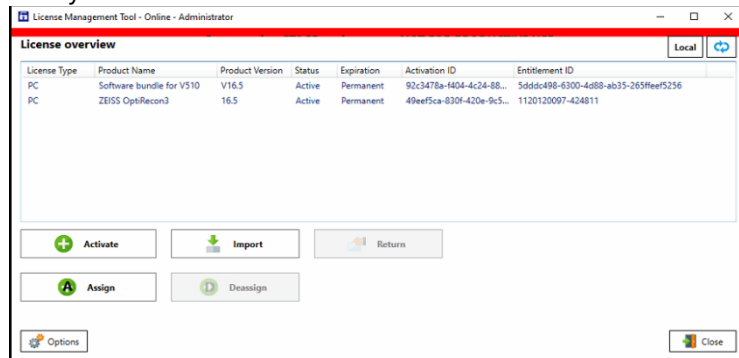
License overview



Import the License file that was transferred from the Online PC.



Once the import of the License file Completed, The License Overview will display the newly activated license info.



How to handle system swaps?

1. If the license was activated in a different customer workstation ➔ then Thales will not allow for reactivation on the newly swapped WS.
 - a. In this case, Return the license on the old customer WS first before activation in the new WS. For instructions on how to return please refer to work instructions in this link.
2. After returning license on the old Customer WS, the production team should be able to activate the license on the new WS.