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## GENERAL STEPS TO INSTALL METSIM® WITH A SOFTWARE KEY

1. Install METSIM® on user computer(s)
2. Install key (see procedure below)
  - a. on user computer, or
  - b. on separate license computer/server, connected to the network
3. Run METSIM® on user computer(s)
  - a. METSIM® will detect installed local licenses automatically, as well as network licenses on most network configurations
  - b. In case of issues with network licenses, refer to section “Accessing Key Configuration Settings” below

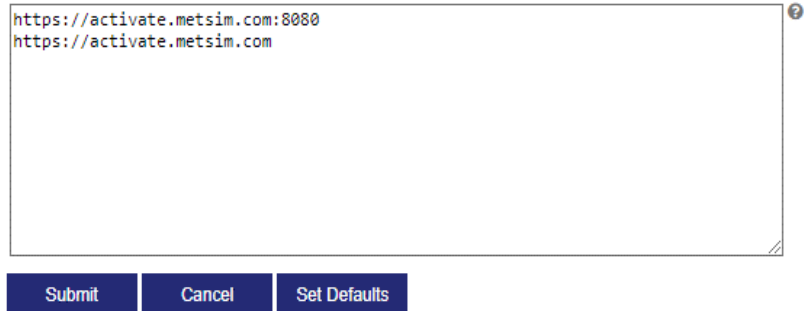
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## ONLINE ACTIVATION OF METSIM® SOFTWARE KEYS - RECOMMENDED

This is the simplest procedure for installation of keys, directly on a computer with access to the internet.

1. Download the latest version METSIM® from [www.metsim.com/pub/METSIMLATEST.zip](http://www.metsim.com/pub/METSIMLATEST.zip)
2. Run METSIM\vvvvv.exe with Administrator Privileges
  - If METSIM® is not installed directly to the C:/METSIM drive, update the C/Windows/METSIM.ini file, line 2, and enter the new workspace file path
  - After installation of all necessary files and drivers, a prompt to restart the computer will appear – **the computer should always be restarted following installation and before moving on to step 3**
3. To ensure the Sentinel Admin Control Center is set up correctly, follow the steps below:
  - Enter <http://localhost:1947> into the web browser. Click **Configuration** then click on the **Network** tab. Scroll down to the **EMS URL** and ensure each URL begins with **https**.
  - Note:** the previous installer does not have the 's' on https.
  - Ensure both of these URL's are present and typed correctly.

EMS URL



https://activate.metsim.com:8080  
https://activate.metsim.com

Submit

Cancel

Set Defaults

- Lastly, Cookies and cache may have to be deleted if using browsers where METSIM® has previously been installed.
4. Visit the Metsim International key servers and enter the following URL into the web browser:  
<https://activate.metsim.com/ems/customerLogin.html>

The following window opens:



## Sentinel LDK-EMS

Entitlement Management System

Customer Portal Login License Update

Product Key:

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- In the Customer Portal Login tab, enter the Product Key code where prompted – this was emailed to the company contact at the time of license issuance – and click login.
- Click Online Activation button located near the top-right portion of the screen.

Sentinel LDK-EMS Entitlement Management System Welcome | [Logout](#) | [Help](#)

---

Product Key: [REDACTED]

Product Key: [REDACTED]

Customer Name:	MSI	E-mail:	info@metsim.com
Channel Partner:	-	E-mail:	-

---

Activations:	1	Remaining Activations:	1
Previous Activations:	0	Enabled:	true

---

Products	Lock Type
> METSIM Network ...	HL or SL (AdminMode or UserMode)

Note: Ensure Remaining Activations does not have a 0.

- Click Activate (if) a key activation window pops up.
- A confirmation message in green will appear after the key has been successfully activated and installed.

Sentinel LDK-EMS Entitlement Management System

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Product Key : [REDACTED]

Activation installed successfully for keyid [REDACTED]

Product Key: [REDACTED]

Customer Name:	MSI	E-mail:	infoau@metsim c...
Channel Partner:	-	E-mail:	-

---

Activations:	1	Remaining Activations:	0
Previous Activations:	1 <a href="#">View</a>	Enabled:	true

---

Products	Lock Type
> METSIM Trial (T...	HL or SL (AdminMode or UserMode)

- Restart the computer
- Load METSIM® from either the Start menu or from the Desktop icon (if created)
- If METSIM® does not load, see the section below, *ACCESSING SOFTWARE KEY CONFIGURATION AND SETTINGS*.



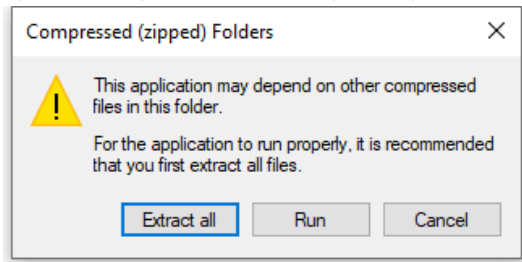
## OFFLINE ACTIVATION OF METSIM® SOFTWARE KEYS

In case the license key is installed on a computer without direct internet access (offline computer), it can be activated from another computer (online computer). This procedure can also be used if the browser-based procedure above is restricted.

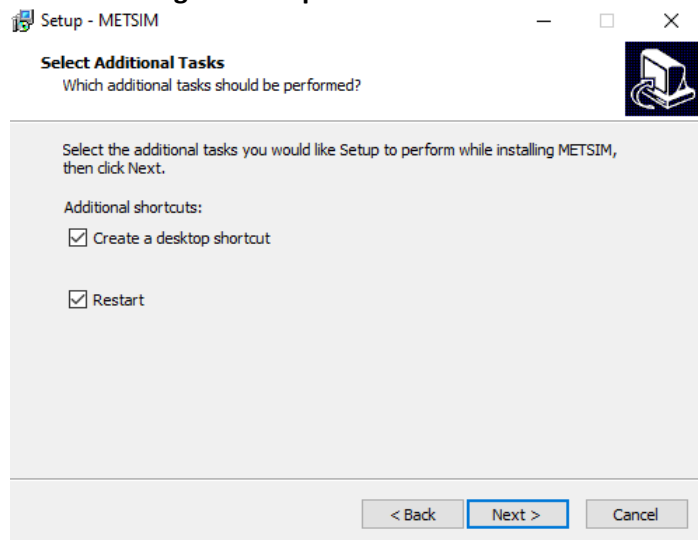
1. Download METSIM® from [www.metsim.com/pub/METSIMLATEST.zip](http://www.metsim.com/pub/METSIMLATEST.zip) with online computer

Name	Type	Compressed size	Password ...	Size	Ratio
METSIM Software Keys	Adobe Acrobat Document	729 KB	No	827 KB	12%
METSIM USB Key Installation	Adobe Acrobat Document	90 KB	No	99 KB	10%
METSIM202109	Application	62,289 KB	No	62,296 KB	1%

2. Run METSIMvvvvvv.exe with Administrator Privileges on offline computer
  - If METSIM® is not installed directly on the C:/METSIM drive, update the C:/Windows/METSIM.ini file, line 2, and enter the new workspace file path



- After installation of all necessary files and drivers, a prompt to restart the computer will appear – **the computer should always be restarted following installation and before moving on to step 3**



3. Visit the Metsim International key servers and enter the following URL into the web browser:

<https://activate.metsim.com/ems/customerLogin.html>

The following window opens:



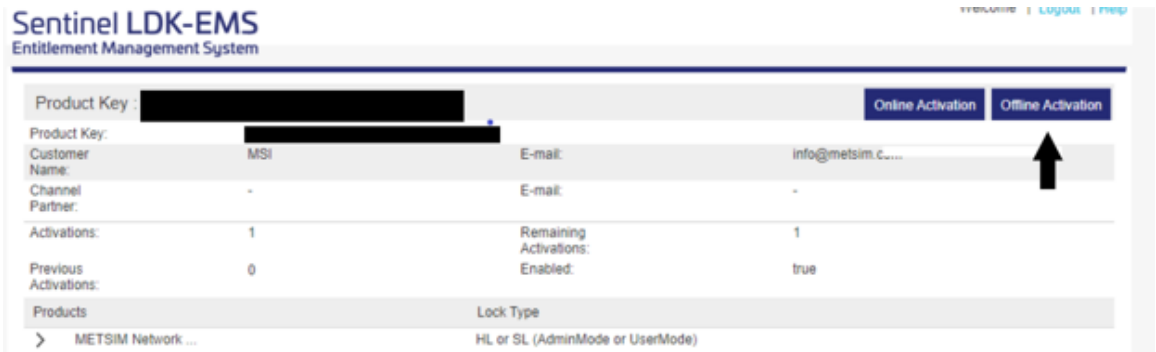
**Sentinel LDK-EMS**  
Entitlement Management System

Customer Portal Login License Update

Product Key:

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4. Enter the Product Key code where prompted – this was emailed to the company contact at the time of license issuance
  - Click Offline Activation button located near the top-right portion of the screen; a prompt will appear within the Generate License window for the download of the RUS Tool – click the RUS link to start this download



**Sentinel LDK-EMS**  
Entitlement Management System

Product Key:

Product Key:	<input type="text" value="REDACTED"/>	E-mail:	info@metsim.c...
Customer Name:	MSI	E-mail:	-
Channel Partner:	-		
Activations:	1	Remaining Activations:	1
Previous Activations:	0	Enabled:	true

Products Lock Type  
> METSIM Network ... HL or SL (AdminMode or UserMode)

5. Run the RUS\_RQEKK.exe file with Administrator Privileges on the offline computer



Generate License

Order Details

Product Key: [REDACTED]  
Customer: MSI E-mail: info@metsim.com  
Activations: 1 Remaining Activations: 1  
Ref ID 1: 4014 Ref ID 2:  
Entitlement  
Comments:  
Products:

Product	Lock Type
METSIM Network (Station)	HL or SL (AdminMode or UserMode)

Download [RUS](#), a tool to generate C2V

Upload C2V

Upload C2V: [Text Box] ...  
Comments: [Text Box]

Generate Cancel

- Select *Installation of new protection key* and click Collect Information button. Note: If METSIM® has been previously downloaded then “Update of existing protection key” may be selected. The computer fingerprint will be collected and a C2V file will be generated – save this file to the computer in any drive and provide a recognizable file name

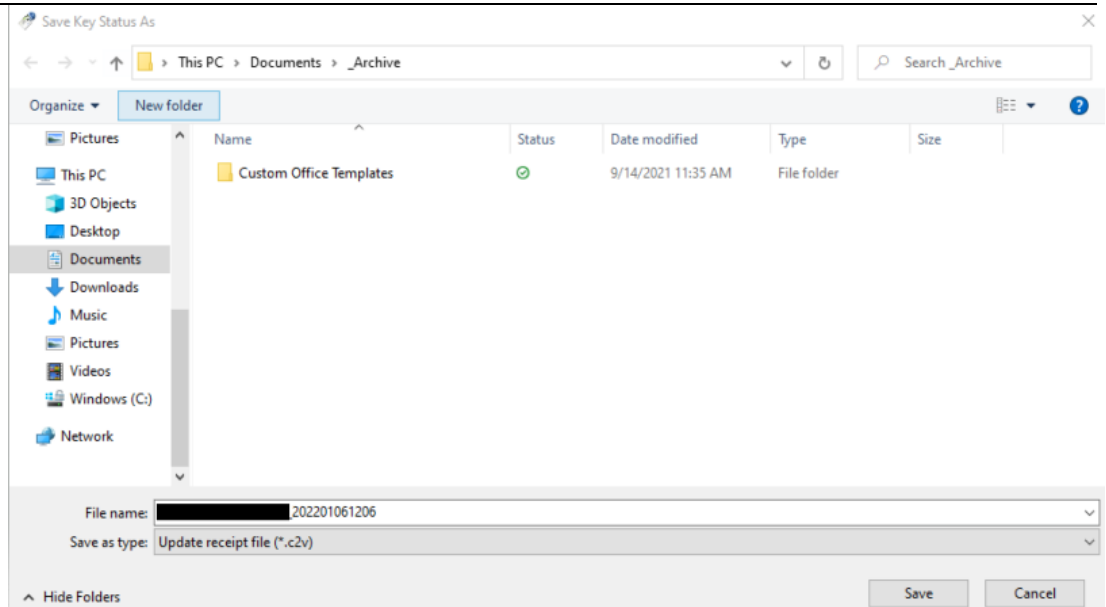
RUS

Collect Status Information Apply License File Transfer License

Collect information from this computer to enable:

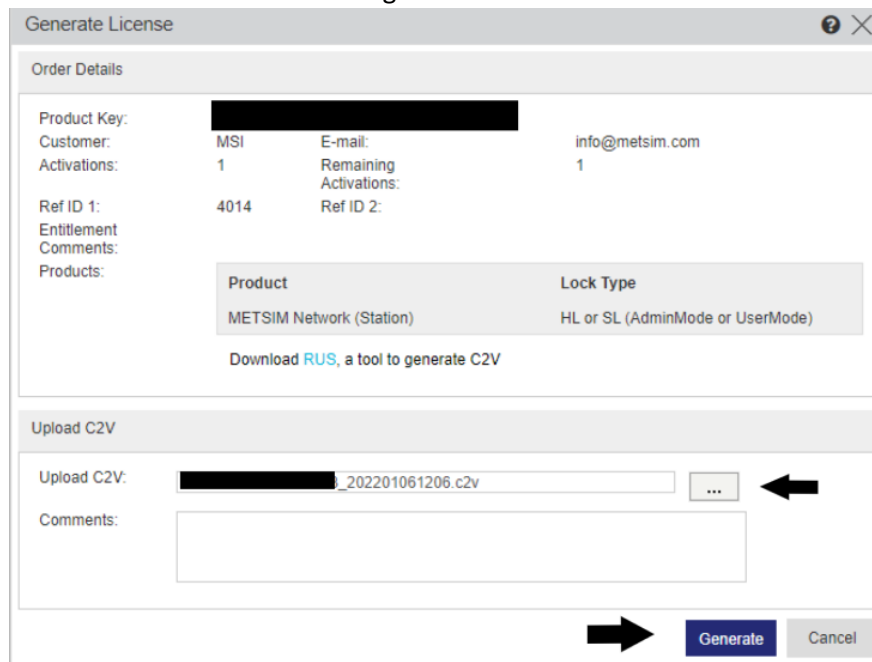
Update of existing protection key  
 Installation of new protection key

Collect Information



6. Returning to the Generate License window with the online computer, upload the newly generated C2V file using the button with the three dots located next to the field labeled *Upload C2V*:

- Click *Generate* button at bottom of the Generate License window; now a V2C file is generated.



- Download this file then save to the computer (can save to any location: desktop, documents, etc).



Generate License ? ×

Successfully generated the V2C/EXE/ZIP file, but cannot send an e-mail with this file to the specified recipients. Consider emailing the file if required.

Order Details


Product Key: [REDACTED]  
Customer: MSI E-mail: info@metsim.com  
Activations: 1 Remaining Activations: 0  
Ref ID 1: 4014 Ref ID 2:  
Entitlement  
Comments:  
Products:

Product	Lock Type
METSIM Network (Station)	HL or SL (AdminMode or UserMode)

Download [RUS](#), a tool to generate C2V

Activation Details

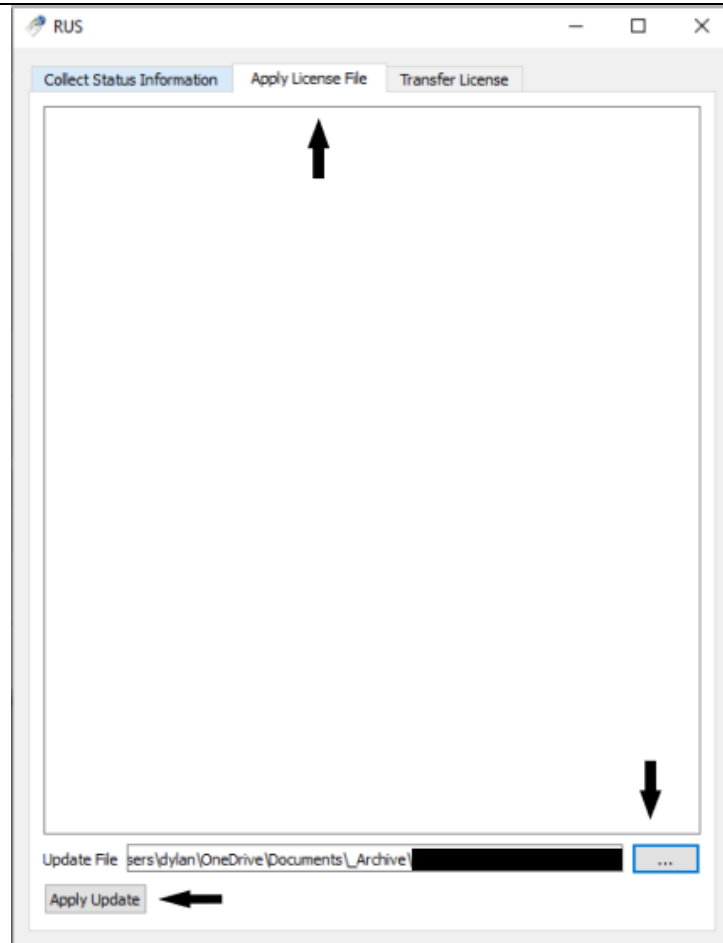
Key ID	Lock Type	Activation Date	Comments	Download
[REDACTED]	SL-AdminMode	2022-01-06		<a href="#">V2C File</a>

Download File 

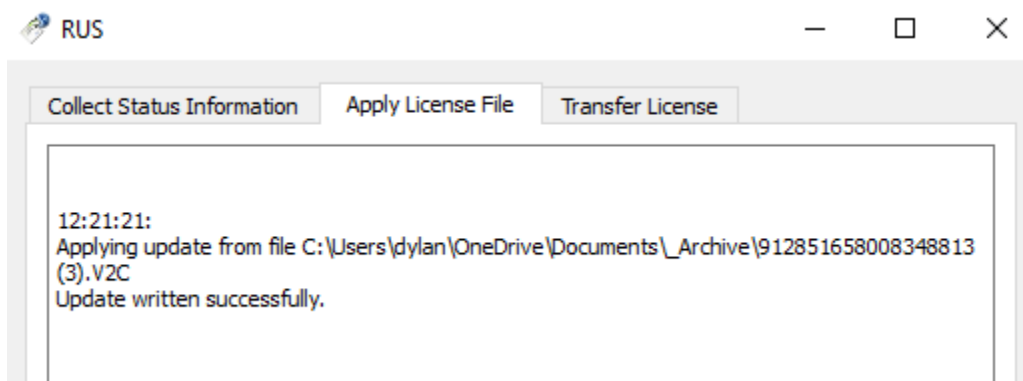
Close

7. Finally, returning to the RUS tool on the offline computer, navigate to the second tab labeled *Apply License File*; using the button with the three dots (located next to the field labeled Update File), navigate to the newly generated V2C file and then click *Apply Update* button at bottom of the RUS tool window; a prompt will appear within the RUS window noting that the license has been applied/installed *Upload C2V*:





- Verify the license has been applied successfully as shown in the screenshot below.



8. Restart the computer
9. Load METSIM® from either the Start menu or from the Desktop icon (if created)
10. If METSIM® does not load, see the section below, *ACCESSING SOFTWARE KEY CONFIGURATION AND SETTINGS*.

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## TRANSFER OF METSIM® SOFTWARE KEYS

Follow the steps below to transfer the METSIM® software key from one computer or server to another computer or server.

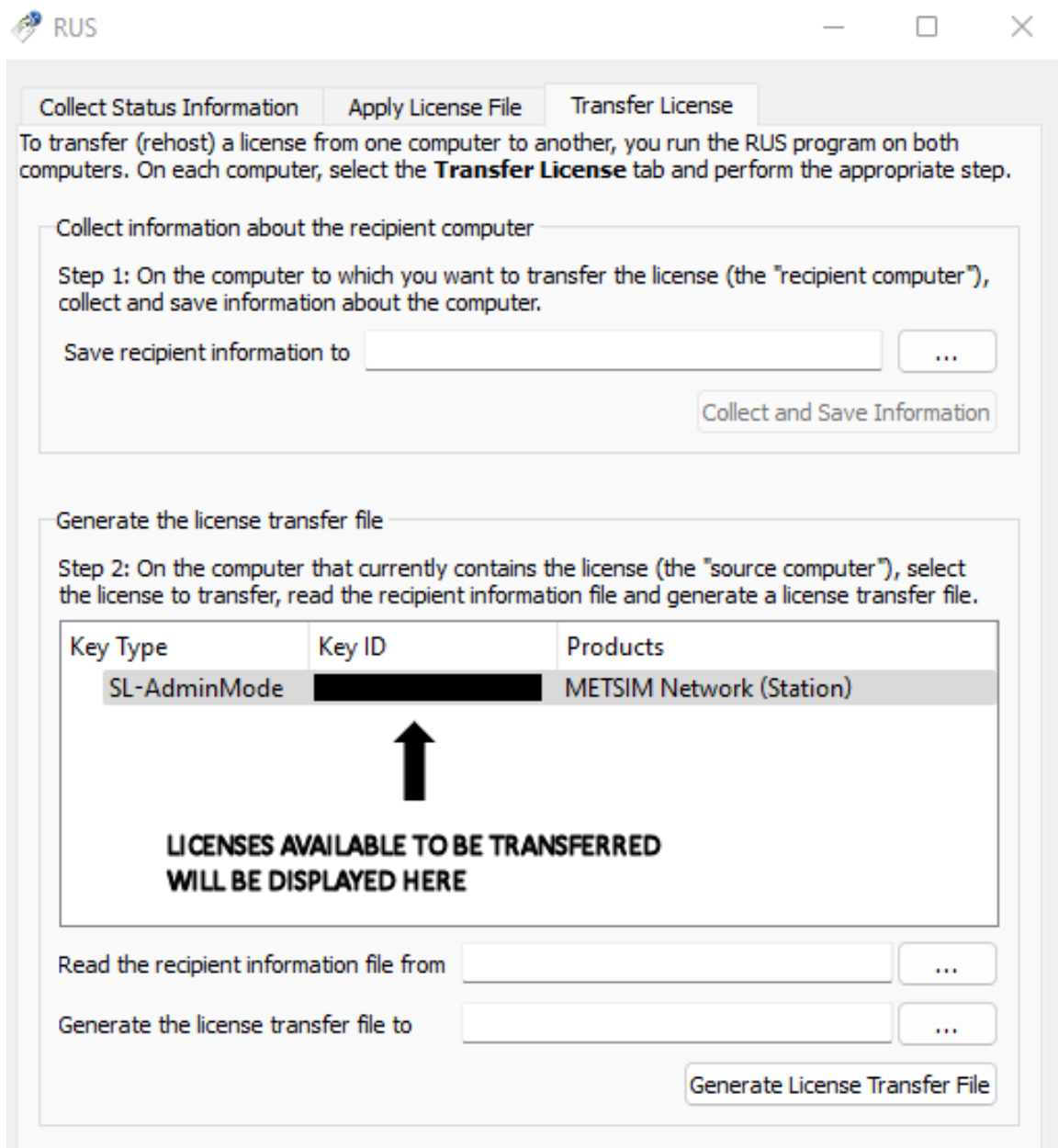
1. Visit the Metsim International key servers and enter the following URL into the web browser:  
<https://activate.metsim.com/ems/customerLogin.html>

The following window opens:

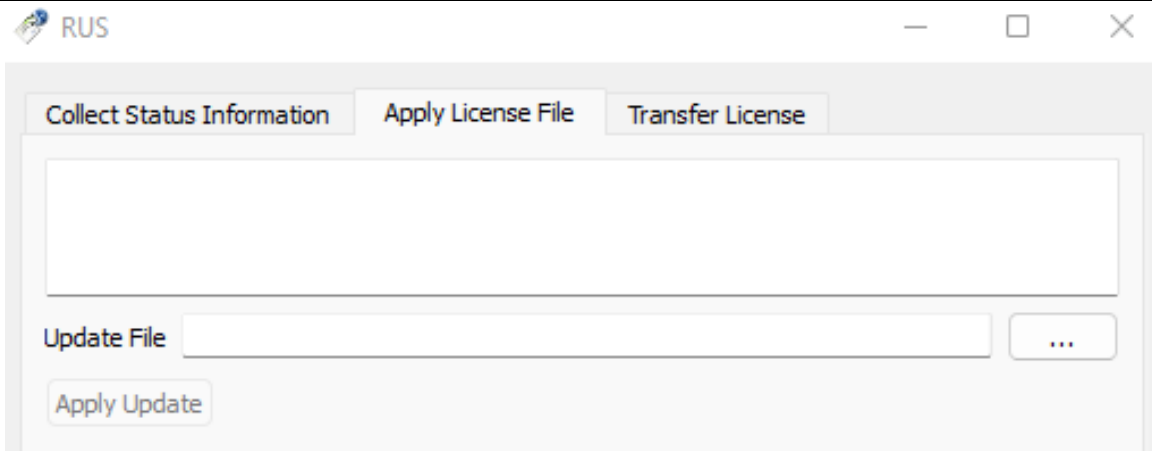


The screenshot shows the 'Sentinel LDK-EMS Entitlement Management System' interface. It features a navigation bar with 'Customer Portal Login' (highlighted) and 'License Update'. Below the navigation bar is a form with a 'Product Key:' label and a text input field containing the placeholder 'PASTE PRODUCT KEY CODE HERE'. A 'Log In' button is positioned below the input field. At the bottom of the page, there is a copyright notice: '© 2021 Thales Group. All Rights Reserved. | Support' followed by a list of language links: 'English Italiano Русский Français 中文 Deutsch Español 日本語'.

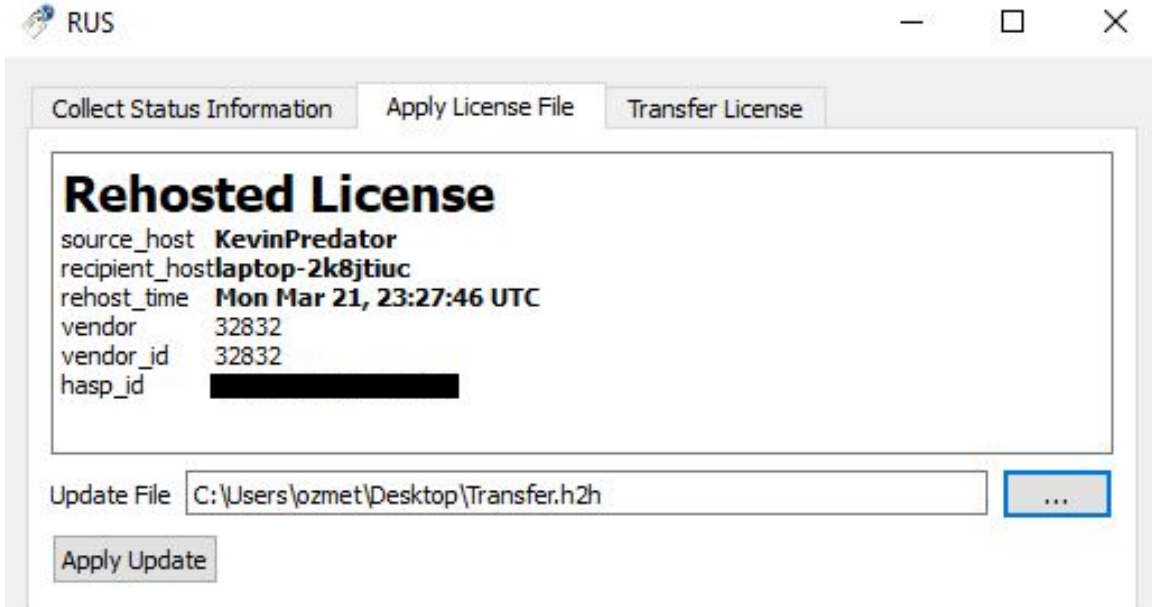
2. Enter the Product Key code where prompted – this was emailed to the company contact at the time of license issuance
  - a. Click the link *View* located next to the Previous Activations section
  - b. Click the link to Download the *RUS* Tool
3. Run the RUS\_RQEKK.exe file with Administrator Privileges on the computer where the key is installed
4. Open the third tab in the RUS tool titled Transfer License
5. Follow all steps included on the Transfer License tab on both the current and future computer or server locations. See below



- After following all the steps above, click on the **Generate License Transfer File** button and a h2h file is generated e.g Transfer.h2h. Copy this file to the recipient computer where the license is to be transferred and then run the RUS\_RQEKK.exe file with Administrator Privileges.
- When the RUS tool opens, click on the Apply License File tab.



8. Upload the file to transfer e.g. Transfer.h2h



9. Click the Apply Update file to apply the license to the computer.



## ACCESSING SOFTWARE KEY CONFIGURATION AND SETTINGS

To check or troubleshoot access to keys installed locally or on the network, use the following procedure.

1. On the server, or the local computer, where the software key is activated and installed, enter the following into any web browser: <http://localhost:1947>

The following should appear (if it does not appear, install METSIM® first):

Admin Control Center Help

Welcome to the Admin Control Center. This application enables you to manage access to software licenses and Features, to control detachable licenses, to control sessions, and to diagnose problems.

Note: You can select the language in which Admin Control Center is displayed from the bottom of the Options pane.

> The Admin Control Center enables you to monitor the following:

- All the Sentinel protection keys that are currently available on the network server, including their identity, type, and location
- The number of users currently logged in to a protection key, and the maximum number of users allowed to be simultaneously logged into that specific key
- The Features to which each protection key allows access, and any restrictions that apply to the Feature
- The users who are currently logged into a specific protection key, including detailed login information

Note: SL UserMode keys are only displayed for the local (Windows) machine. SL UserMode keys are not displayed when the configuration parameter **Do Not Load hasplmv.exe** is selected.

> You can perform actions, such as:

- Detaching a license from the network and attaching it to your machine or a different recipient machine
- Cancelling a detachable license prematurely
- Installing an update to a license on a key that is visible in Admin Control Center

> You can implement and manage cloud licensing.

> You can make basic configuration changes, including:

- Setting the display refresh time
- Configuring access permissions from a client machine to a remote server, and configuring a server to allow it to be remotely accessed
- Defining values for Products with detachable licenses

> The Diagnostics page enables you to view system information related to the current Sentinel License Manager, and to generate reports.

**Related Topics**

- Security Considerations
- Cloud Licensing
- Detaching Licenses - Overview
- Sentinel Keys
- Products
- Features
- Sessions
- Update/Attach
- Access Log
- Configuration
- Diagnostics

2. To check which Sentinel keys are installed on this server or computer, click the Sentinel Keys link under the Options menu. METSIM® keys are those with the Vendor Code 32832.

Sentinel Admin Control Center

Sentinel Keys Host Name: laptop-mq08ime0

Location	Vendor	Key ID	Key Type	Configuration	Version	Sessions	Actions
Local	32832 (32832)	581217598223403788	HASP SL AdminMode Rehostable		8.41		<a href="#">Products</a>   <a href="#">Features</a>   <a href="#">Sessions</a>   <a href="#">Certificates</a>   <a href="#">C2V</a>

3. To view current *Sessions*, i.e. which users on the network are currently accessing the key and therefore consuming available licenses, click the Sessions link under the Options.



4. For connectivity issues, click the Configuration link under the Options, the following will appear:

Sentinel Admin Control Center

Configuration Host Name: laptop-mq08lme0

Basic Settings Users Access to Remote License Managers Access from Remote Clients Client Identities Detachable Licenses Network

Machine Name

Allow Remote Access to ACC  Disabled  
 HTTPS  
 HTTP

Allow Remote Access to Admin API  Disabled  
 HTTPS  
 HTTP

Password Protection  Configuration Pages   
 All ACC Pages

Display Refresh Time (sec.)

Table Rows per Page

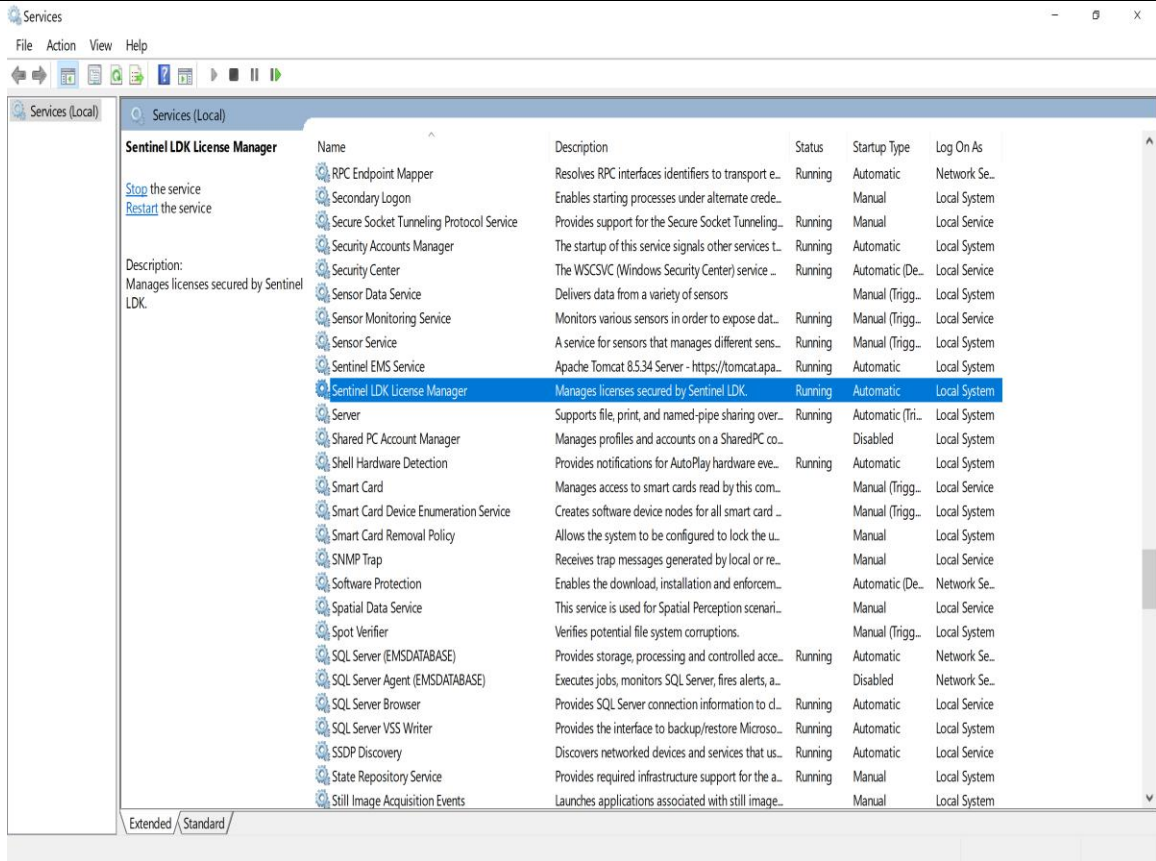
Idle Timeout of Session

Write an Access Log File  Size Limit (KB):    
 Include Local Requests  
 Include Remote Requests  
 Include Administration Requests

Write an Error Log File  Size Limit (KB):

Across the top of this window are the tabs Basic Settings, Users, Access to Remote License Managers, Access from Remote Clients, Client Identities, Detachable Licenses, and Network. All METSIM® keys are defaulted to allow communication across the local area network (LAN) as well as access to remote users; however, depending on the security settings of the server or network, these options may be disabled.

5. Closely check each of the tabs described in #4 immediately above and ensure that no restrictions have been applied or that any of the communication settings have been disabled. Upon doing so, close any running instances of METSIM® on the server or end-user computers as well as the Sentinel Admin Control Center; then reload METSIM® and the new settings will activate.
6. Finally, ensure that the Sentinel LDK License Manager is running in the *Services* for the server and/or all end-user computers.

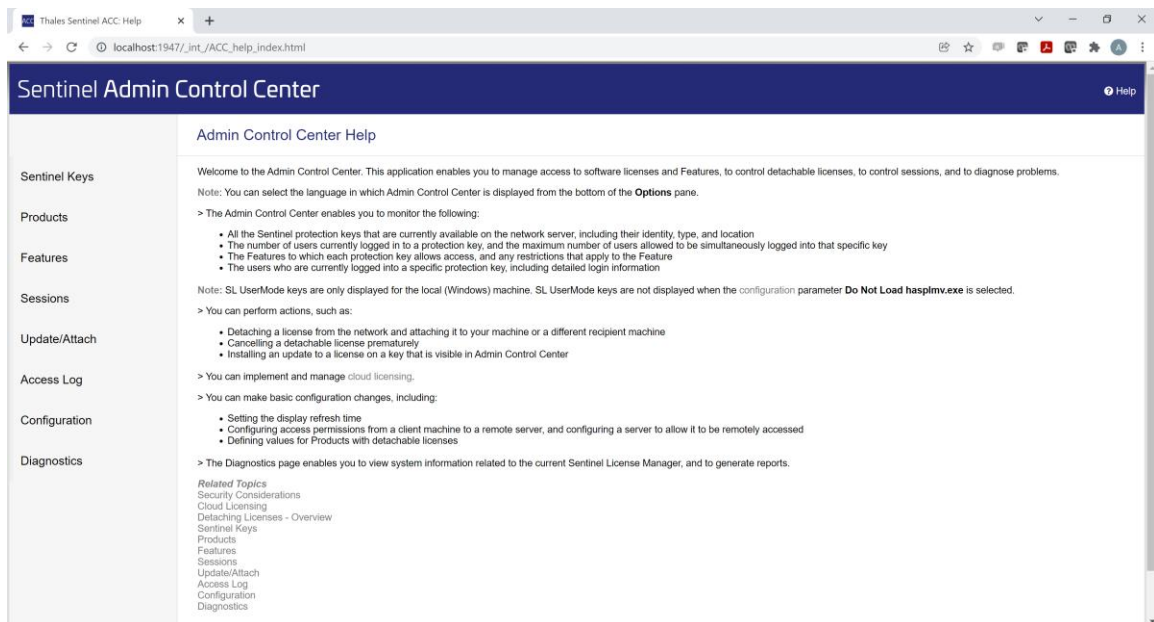


**FOR ANY QUERIES REGARDING THE ACTIVATION OR CONFIGURATION SETTINGS OF METSIM® SOFTWARE KEYS, PLEASE EMAIL US AT [dylan@metsim.com](mailto:dylan@metsim.com).**



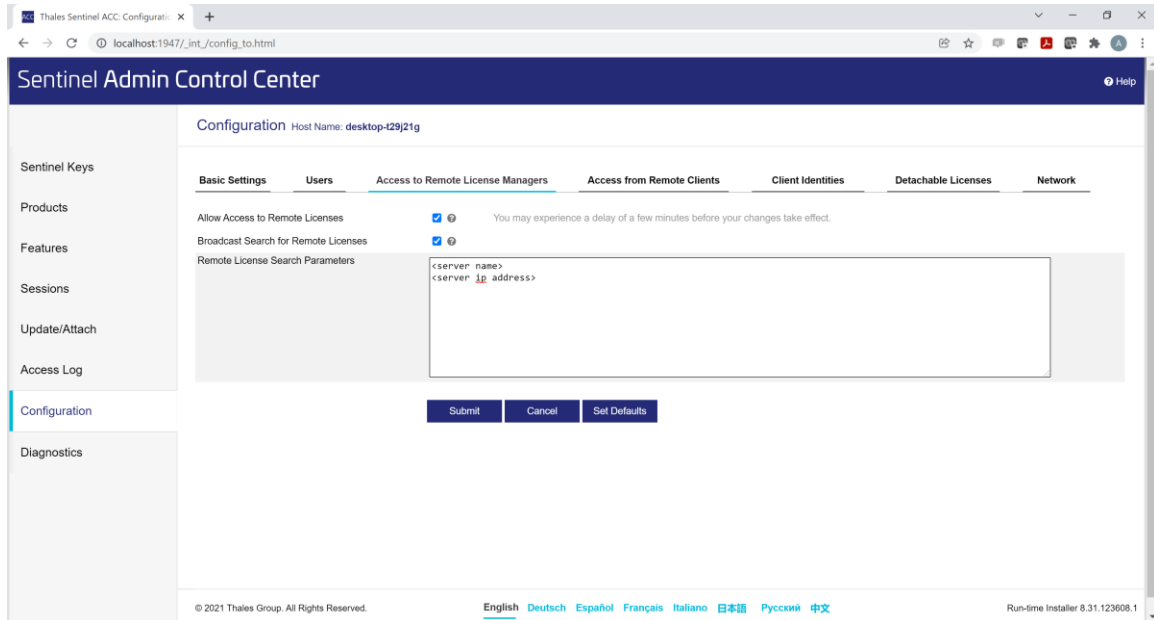
## ACCESSING SOFTWARE KEYS ACROSS MULTIPLE SUBNETS

1. Ensure that METSIM® and the software key are installed on a server within the organization following the steps outlined above.
2. Ensure that METSIM® is installed on the end-user computer following the steps outlined above. Also, confirm that the end-user computer is connected to the organization's network, either through local area network or wide area network access.
3. Open the ports 8080 and 1947 for both sending and receiving information.
4. On the end-user computer, access the *Sentinel Admin Control Center* by visiting localhost:1947 in a web browser.

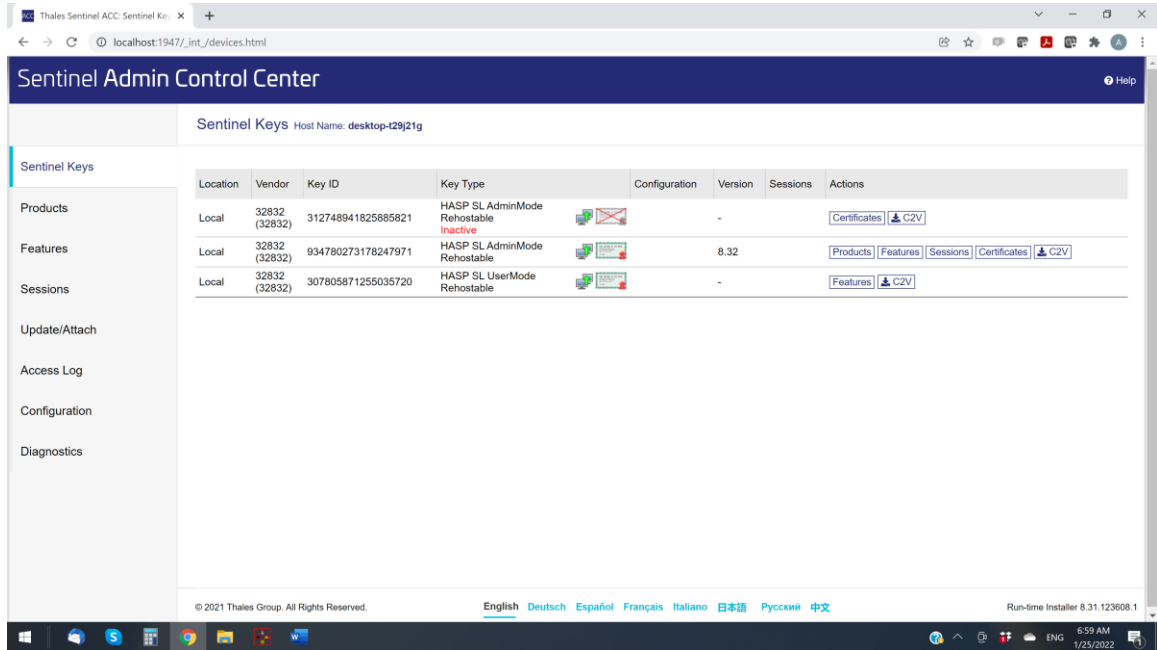


5. On the left-side menu, select Configuration and navigate to the Access to Remote License Managers tab.





6. Ensure that the boxes for Allow Access to Remote License and Broadcast Search for Remote Licenses are checked. Then, in the large text box next to Remote License Search Parameters, enter the server name and/or IP address where the software key is installed; then click Submit.
7. If the key is properly located across the network, it will appear on the end-user computer's Sentinel Admin Control Center when clicking the Sentinel Keys selection on the left-side menu (vendor code 32832).



8. Load METSIM® on the end-user computer. If the key is not found, ensure the necessary ports are open (#3 above) and that the server and computer are connected to the organization's network. All these being true, ensure that there are available licenses to access by clicking the Sentinel Keys (left-side menu) and check the Sessions column; all keys have a limited number of concurrent users, so if METSIM® is loaded on either the server or any other end-user computer, it may be occupying the available license which will block any additional instances. Ensure all instances of METSIM® are closed on these other network computers and attempt to load again.