

SysCAD Network ELM License Quick Start Guide

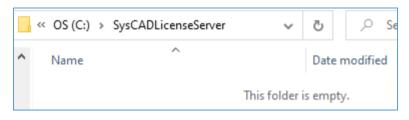
Step by step guide to setting up the Enterprise License Manager (ELM) for SysCAD Network license. For more detailed information, please refer to **SysCAD Network ELM** License Guide. This guide is for new installations or new servers.

STEP ONE: DOWNLOAD AND INSTALL NETWORK LICENSE FILES

NOTE: Default Port used is 4758

On the License Server computer please perform the following steps as Administrator

- 1. Create a new folder for SysCAD Licensing: example: "SysCADLicenseServer".
- Folder must **NOT** be under Program Files.
- Folder should be on a drive on the server.



- 2. Get copy of the server files. These can be obtained from two alternate locations:
 - i) located in a SysCAD installation on a **client** computer, in folder "\SysCADXXX\Setup\NetworkLicense_Server".

| ^ | Name | Date modified | Туре |
|---|-----------------------|--------------------|-------------|
| | LicensingUtility | 25/07/2018 9:38 AM | File folder |
| | MS VC Redist | 25/07/2018 9:38 AM | File folder |
| | NetworkLicense_Client | 25/07/2018 9:38 AM | File folder |
| | NetworkLicense_Server | 25/07/2018 9:38 AM | File folder |
| | Notepad++ | 25/07/2018 9:38 AM | File folder |
| | OPC Setup | 25/07/2018 9:38 AM | File folder |
| | ReactionEditor | 25/07/2018 9:38 AM | File folder |
| | Textpad | 25/07/2018 9:38 AM | File folder |
| | UltraEdit | 25/07/2018 9:38 AM | File folder |

ii) Download from (<u>https://www.syscad.net/login/</u>) Utilities section – LicenseManagementFiles. Extract files to temp folder. The required files are in the NetworkLicense Server folder.



SysCAD 9.3 Build 138 - NEW Released June 2019

SysCAD 9.3 Full Install

- SysCAD 9.3 Software Update
- SysCAD 9.3 Tutorial Documents
- SysCAD 9.3 Basefiles and Example Projects

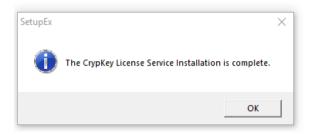
Utilities

These files are included with the full install, but are available as separate downloads for your convenience and upgrade

- Reaction Editor Version 1.3: Full install for SysCAD Reaction Editor includes installation instructions for use with SysCAD92 and SysCAD93 August 2017
- License Utility Version 3: SysCAD licensing utility and Crypkey files for network (and stand alone) license management May 2019
- License Management Files Version 3: SysCAD licensing utility and Crypkey files for network (and stand alone) license management May 2019
- Notepad++: Notepad++ Install file(Rev 7.6.6) April 2019
- SysCAD Notepad++ Files: SysCAD Customisation Files for Notepad++ (Rev 7.6.6) April 2019
- 3. Copy the files from NetworkLicense_Server folder to folder created in Step 1.
- 4. Open folder created in Step 1.
- 5. Run SetupEx.exe this will start the Crypkey Service.

| | | ~ Ū |
|----------------------------------|--------------------|----------|
| Name | Туре | Size |
| CKConfig.dll | Application exten | 828 KB |
| 📧 cks.exe | Application | 267 KB |
| 📄 crp32002.ngn | NGN File | 1,509 KB |
| 💿 Enterprise License Manager.exe | Application | 1,112 KB |
| SetupEx.exe | Application | 266 KB |
| StartServer.exe | Application | 484 KB |
| StopServer.exe | Application | 484 KB |
| SYSCAD.ced | CED File | 14 KB |
| 📓 SYSCAD.ces.ini | Configuration sett | 1 KB |
| 🗊 syscad.exe | Application | 1,824 KB |

6. Please wait for the following screen to pop up



STEP 2: ENTERPISE LICENSE MANAGER (ELM)

7. Run Enterprise License Manager.exe locally on the server

| CKConfig.dll |
|--------------------------------|
| 🔳 cks.exe |
| crp32002.ngn |
| Enterprise License Manager.exe |
| 🚱 SetupEx.exe |
| setupex.xco |
| StartServer.exe |
| StopServer.exe |
| SYSCAD.ced |
| SYSCAD.ces.ini |
| 🗊 syscad.exe |

8. It should show **TCPIP** at bottom RHS of window.

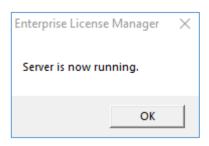
| Enterprise License Manager: SYSCAD.EXE | | - | > | < |
|--|--------|----------|-------|-----|
| Edit View Actions Help | | | | |
| Enterprise License Manager 8000 | | | | < |
| < | | | > | |
| Ready | SERVER | DISABLED | TCPIP | _// |

9. Select the menu option Actions | Start Server.

| 🚳 E | nterpris | e License | Manager: SYSCAD.EXE | | - | _ | > | < |
|--------|------------|-----------|-----------------------|------------------|----------|---------|-------|----|
| Edit | View | Actions | Help | | | | | |
| Enter | rprise Lie | Sta | rt Server | | | | | ^ |
| | | | p Server | | | | | - |
| | | Tra | nsfer License | | | | | |
| < | | Sel | ect a License | | | | > | ~ |
| Activa | te this s | Ma | inage Server Licenses | ransfer licenses | SERVER D | ISABLED | TCPIP | _/ |



10. It will return a dialog indicating it's running.



11. Enterprise License Manager will show ENABLED

| Enterprise License Manager: SYSCAD.EXE | — [| | × |
|--|----------------|-------|---|
| Edit View Actions Help | | | |
| Enterprise License Manager 8000 | | | ^ |
| | | | |
| | | | |
| | | | ~ |
| < | | 3 | > |
| Ready | SERVER ENABLED | TCPIF | 2 |

12. Select Actions | Manage Server Licenses,

| 🚳 E | Interpris | se License | Manager: SYSCAD.EXE | - [|) × | < |
|------|------------|------------|-----------------------|----------------|-------|---|
| Edit | View | Actions | Help | | | |
| Ente | erprise Li | Sta | rt Server | 1 | | ^ |
| | | | ip Server | | | |
| | | Tra | nsfer License | | | |
| < | | Sel | ect a License | | > | × |
| | | Ma | inage Server Licenses | SERVER ENABLED | TCPIP | |

13. Click the IP Address. **Make a note of the IP Address** as this address is required when configuring the Client



| Enterprise License Manager: SYSCAD.EXE Edit View Actions Help | | | | — [| × |
|---|------------|------|----------|----------------|---|
| Enterprise License Manager: Initialize License | | | Module N | umber: 0 | 1 |
| Select a Server from the list | Site Code: | | | | - |
| 192.168.50.85:4758 | | | | | _ |
| | Site Key: | | | | |
| | | | | Validate | |
| | Status | | | | _ |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | , | | | ОК | |
| Ready | | | | SERVER ENABLED | N |

14. A Site Code will now be displayed on the right

| Enterprise License Manager: SYSCAD.EXE | | - | × |
|--|--|------------------|---|
| Edit View Actions Help | | | |
| Enterprise License Manager: Initialize License | | Module Number: 0 | ^ |
| Select a Server from the list | License Location: 192.168.50.85:4758 | ļ | |
| 1192.168.50.85:4758 | Site Code: 9788 0C27 891B B2D2 56 | | |
| | Site Key: | | |
| | | Validate | |
| | Status | | |
| | Checking License Status AUTHORIZATION NOT PRESENT | | ~ |
| Ready | | SERVER ENABLED | |

15. Highlight Site Code, Right Click and select Copy



| Undo | |
|----------------------------------|---|
| Cut | |
| Сору | |
| Paste | |
| Delete | |
| Select All | |
| Right to left Reading order | |
| Show Unicode control characters | |
| Insert Unicode control character | > |
| | |

- 16. Paste Site Code into an email and send email to License@syscad.net
- 17. Within one business day you will receive a Site Key back from SysCAD License
- 18. Copy the Site Key from the email, select the Site Key box in ELM, Right Click and select Paste.

| Undo | | | | | | | | |
|--|-------------------------|------|-------------------------------------|-------------|--------|-------|-----|---|
| Cut | | | | | | | | |
| Сору | | | | | | | | |
| Paste | | | | | | | | |
| Delete | | | | | | | | |
| Select All | | | | | | | | |
| Right to left Reading order | | | | | | | | |
| Show Unicode control characte | ers | | | | | | | |
| Insert Unicode control characte | er | > | | | | | | |
| Open IME | | | | | | | | |
| Reconversion | | | | | | | | |
| 🚳 Enterprise License Manager: SYSCAD.EXE | | | | | - | | × | 1 |
| Edit View Actions Help | | | | | | | | - |
| Enterprise License Manager: Initialize License | | Line | nse Location: 192, 168, 1, 85: 4758 | Module Numb | per: 0 | | Î | |
| Select a Server from the list | Site Code: | | 9 B1A8 A605 99A5 FB | | | | - 1 | |
| \\192.168.1.85:4758 | | - | 4 0491 D348 F668 FB9D 0A43 56 | | | | - 1 | |
| | Site Key. | 9 | 4 049 I D 346 F006 FB9D 0A45 30 | | | | | |
| | | | | | Valida | te | | |
| | Status | | 0 - tur | | | | _ | |
| | Checking Li AUTHORIZ | ATIO | NOT PRESENT | | | | | |
| | | | | | | | | |
| < | | | | | | | > | |
| Ready | | | | SERVER E | NABLED | TCPIP | | 2 |
| 10 Droop the 'Validate' button | | | | | | | | |

19. Press the 'Validate' button



| 💽 Enterprise License Manager: SYSCAD.EXE | | | _ | | \times |
|---|------------|--------------------------------------|------------------|---------|----------|
| Edit View Actions Help | | | | | |
| Enterprise License Manager: Initialize License Select a Server from the list | | License Location: 192.168.1.85:4758 | Module Number: 0 | | Î |
| \\192.168.1.85:4758 | Site Code: | FAB9 B1A8 A605 99A5 FB | | | |
| | Site Key: | 5E44 0491 D348 F668 F89D 0A43 56 | | | |
| | | | Val | idate | |
| | Status | | | | |
| | | License Status ZATION NOT PRESENT | | | |
| | | | | | ~ |
| < | | | | _ | > |
| leady | | | SERVER ENABLED |) TCPIP | |

20. After clicking OK the ELM screen will look like this. Note the following:

- a. Program has a valid license
- b. Days left: this is how many days the license is valid for
- c. Users: number of users that can access the license simultaneously
- d. The Site Code has changed. This is normal behaviour.

| Enterprise License Manager: SYSCAD.EXE Edit View Actions Help | | - 🗆 X |
|--|---|------------------|
| Enterprise License Manager: Initialize License Select a Server from the list \\192.168.1.85:4758 | License Location: 192. 168. 1.85: 4758 Site Code: E2B5 EB11 4C29 5325 A3 Site Key: | Module Number: 0 |
| | Status Checking License Status Program hasa valid license. Days license initialized on 3-25-2020 15:28:31 Days lest: 7 Days used: 0 Days left: 7 Network License Users = 2 | |
| Ready | | OK |

- 21. Close Enterprise License Manager.
- 22. Recommended: Add a call to StartServer.exe in machine startup script.

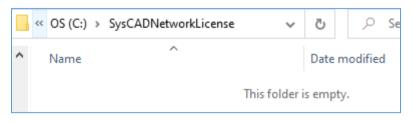


STEP 3: CLIENT (USER) SIDE

A network connection is required to connect to the license server. Download SysCAD from <u>www.syscad.net/login</u>

On first Client Computer

- 23. Install SysCAD.
- 24. Create a folder for the client side license management, for example "SysCADNetworkLicense". This folder must NOT be under Program Files.



- 25. Get copy of the client files. These can be obtained from two alternate locations:
 - i) located in SysCAD installation on client computer, in folder "\SysCADXXX\Setup\NetworkLicense_Client".

| • | This PC > OS (C:) > SysCAD | 138 > Setup | ~ Ō |
|---|----------------------------|--------------------|-------------|
| ^ | Name Date modified | | Туре |
| | LicensingUtility | 25/07/2018 9:38 AM | File folder |
| | MS VC Redist | 25/07/2018 9:38 AM | File folder |
| | NetworkLicense_Client | 25/07/2018 9:38 AM | File folder |
| | NetworkLicense_Server | 25/07/2018 9:38 AM | File folder |
| | Notepad++ | 25/07/2018 9:38 AM | File folder |
| | OPC Setup | 25/07/2018 9:38 AM | File folder |
| | ReactionEditor | 25/07/2018 9:38 AM | File folder |
| | Textpad | 25/07/2018 9:38 AM | File folder |
| | UltraEdit | 25/07/2018 9:38 AM | File folder |

OR

ii) Download from (<u>https://www.syscad.net/login/</u>) Utilities section – LicenseManagementFiles.

Extract files to temp folder. The required files are in the NetworkLicense_Client folder.



| SysCAD 9.3 Build 138 - NEW Released June 2019 |
|--|
| SysCAD 9.3 Full Install |
| SysCAD 9.3 Software Update |
| SysCAD 9.3 Tutorial Documents |
| SysCAD 9.3 Basefiles and Example Projects |
| O Utilities |
| These files are included with the full install, but are available as separate downloads for your convenience and upgrade |
| Reaction Editor Version 1.3: Full install for SysCAD Reaction Editor includes installation instructions – for use with SysCAD92 and SysCAD93 – August 2017 License Utility Version 3: SysCAD licensing utility and Crypkey files for network (and stand alone) license management – May 2019 |
| License Management Files Version 3: SysCAD licensing utility and Crypkey files for network (and stand alone) license management – May 2019 Notepad++: Notepad++ Install file(Rev 7.6.6) – April 2019 SysCAD Notepad++ Files: SysCAD Customisation Files for Notepad++ (Rev 7.6.6) – April 2019 |
| 26. Copy the files from NetworkLicense_Client to folder created in Step 24. |

- 27. Open folder created in Step 24.
- 28. With a text editor (eg notepad) open the syscad.cec.ini file.

| > | This PC > OS (C:) > SysCAE | NetworkLicense | ~ | Q |
|---|--|--------------------|-------|------|
| ^ | Name | Туре | Size | |
| | CKConfig.dll | Application exten | 82 | 8 KB |
| | CKS.exe | Application | 26 | 7 KB |
| | 🚳 ClientLicenseConfig.exe | Application | 18 | 8 KB |
| | Crp32002.ngn | NGN File | 1,50 | 9 KB |
| | 💽 SetupEx.exe | Application | 26 | 6 KB |
| | 📓 syscad.cec.ini | Configuration sett | | 1 KB |
| | SYSCAD.ced | CED File | 14 | 4 KB |
| | 🗊 syscad.exe | Application | 1,824 | 4 KB |

- i) Change "PUT_THE_SERVER_NAME_HERE" to the server IP address which was noted when setting up the server side (step 13).
- ii) Default Port is 4758, if an alternative port is being used the port number must follow the IP address separated with a ':'. (example 192.168.1.19:4200).
- iii) Save and exit.



| This file controls what clients the server can accept. |
|--|
| Notes: |
| nerven selentet en son an en sa sa en |
| This file is best created with ClientLicenseConfig.exe |
| |
| 1. All names are limited to 40 characters |
| 2. Excludes take priority over includes |
| 3. It doesn't matter what the text is before the = sign (except under GENERAL) |
| 4. All names are case insensitive |
| 5. To accept everything, put Dl=ALL under domain |
| 6. If General/Status is anything but 'Enabled': |
| the program will start up with Enterprise Server features disabled |
| If the process was started with Status Disabled, it will shut down |
| within 15 seconds, even if clients are open |
| within 15 seconds, even 11 citents are open |
| [GENERAL] |
| STATUS=Enabled |
| TCPIP=Enabled |
| ICPIP=Enabled |
| |
| |
| [INCLUDED_DOMAINS] |
| D1=NOT_APPLICABLE Input IP Address from |
| ELM Here |
| [INCLUDED_MACHINES] |
| DI=PUT_THE_SERVER_NAME_HERE |
| |

29. To test if it is working correctly, run the SysCAD License Utility (syscad.exe) located in folder created in Step 24.

| > | This PC > OS (C:) > SysCAD | NetworkLicense | | ~ | Ō |
|---|----------------------------|--------------------|------|-------|----|
| ^ | Name | Туре | Size | | |
| | CKConfig.dll | Application exten | | 828 | KB |
| | 📧 CKS.exe | Application | | 267 | KB |
| | 🚯 ClientLicenseConfig.exe | Application | | 188 | KB |
| | Crp32002.ngn | NGN File | | 1,509 | KB |
| | 🔇 SetupEx.exe | Application | | 266 | KB |
| | 📓 syscad.cec.ini | Configuration sett | | 1 | KB |
| | SYSCAD.ced | CED File | | 14 | KB |
| | 🗊 syscad.exe | Application | | 1,824 | KB |
| | | | | | |

30. It should start and retrieve a license from the server.

| 🔞 SysCAD License Utility 🛛 🗙 | |
|--|-------|
| C:\SysCADNetworkLicense Version 3.0.0.20056 License expires in 7 days Copies allowed:2 Multiple use Startup Timer:2.22 (2.00+0.22) | |
| License Authorisation | Check |
| License Information OK | |
| More License Options Cancel | |



- 31. Close the SysCAD license utility to release the license.
- 32. Run SysCAD Application.
- 33. Select the License\License Location menu command.

| SysCAD 9.3 Build 138.25437 | |
|---------------------------------|-----------------------|
| Project Edit View Species Tools | License Window Help |
| 🖺 🛥 🚝 📷 🥩 🚍 🛣 | License Location |
| | License Authorisation |
| | License Information |
| | License Transfer > |
| | Network Users |
| | Kill Current License |

34. Press the **Browse** button and select the **client** network license folder created and tested above on the **client computer**.

| License Location | | × |
|-----------------------|--------|--------|
| Location | Browse | ОК |
| C:\SysCAD138\License\ | | Cancel |

35. Select syscad.exe in the Network license folder and press the Open button.

| | | This PC | > OS (C:) | > SysC | ADNetworkLice | nse | | |
|-----------|--------|---------------|-----------|--------|---------------|-----|--------|---|
| | New | / folder | | | | | | |
| | ^ | Name | | ^ | | ~ | | |
| | | 🕄 sysca | d.exe | | | | | |
| License L | ocatio | on | | | | | | Х |
| Location | | | | | Browse | | ОК | |
| C:\SysC | ADNet | twork License | e/ | | | | Cancel | |

36. Press the OK button. If asked to set license to new location, press the Yes button.



| SysCAD | 138.26168 | |
|--------|--|--|
| ? | Valid License not found at new location (or license software error): | |
| | Set license to new location anyway? | |
| | Old location : C:\SysCAD138\License - Copy\ New location : C:\SysCADNetworkLicense\ | |
| | Yes No | |

37. Exit and restart SysCAD. If all is still well, then the SysCAD application should retrieve the license from the server.

| SysCA | AD 9.3 Build 138.25437 | |
|------------------|-------------------------|--|
| Project | Edit View Species To | ools License Window Help |
| ግ 🖻 | 🗳 🗃 🖋 📰 🧏 | <u>2* ?</u> |
| 🔳 Mess | ages 0 / 1 / 1 | |
| ∫ <u> </u> [Ger | neral Message Log:2 🛛 🗸 | Solver Condition Messages 🗸 🚀 Range Check Conditions 🗸 🖯 Species Database |
| ID | Source | Message |
| 01 | Version | SysCAD 9.3 Build:138.25437 (Mar 19 2020) |
| <u>∧</u> 2 | License | License (ProBal) expires in 7 days. [Multi-User Network License at C:\SysCADNetworkLicense\] |
| | | |

38. The correctly configured **syscad.cec.ini** file can now be copied and rolled out to all client PCs for all users.

STEP 4 SUBSEQUENT CLIENT COMPUTERS

- 39. Repeat Steps 23-27.
- 40. Copy **syscad.cec.ini** file copied in step 38 to Client Network folder created in Step 24.
- 41. Repeat Steps 32-37.