

## SysCAD Network ELM License Quick Start Guide

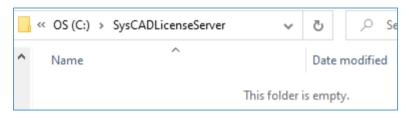
Step by step guide to setting up the Enterprise License Manager (ELM) for SysCAD Network license. For more detailed information, please refer to **SysCAD Network ELM** License Guide. This guide is for new installations or new servers.

## 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.



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SysCAD 9.3 Full Install

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

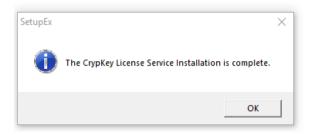
#### Utilities

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.

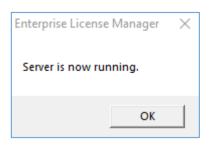
Enterprise License Manager: SYSCAD.EXE		-	>	<
Edit View Actions Help				
Enterprise License Manager 8000				<
<			>	
Ready	SERVER	DISABLED	TCPIP	_//

#### 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.

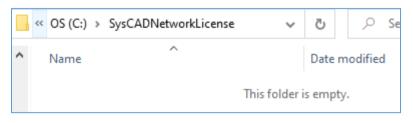


### **STEP 3: CLIENT (USER) SIDE**

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
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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.

>	<ul> <li>This PC &gt; OS (C:) &gt; SysCAE</li> </ul>	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.