Setup:

- 1. Create a Folder called "flexlm" in your C: drive
- 2. Unzip the License Manager into the flexIm folder
- 3. Copy your License.dat file inside the flexIm folder
- 4. Create a file called log.log on the flexIm folder

Run LMTOOLS

- 1. Open LMTools from the flexIm folder
- 2. Click on the Configuration TAB
 - a. In the Service name Enter "CodeWarrior Service"
 - b. In the Imgrd path click on Browse
 - i. Select the Imgrd.exe file from the flexIm folder
 - c. In the License path click on Browse
- i. Select the License.dat file from the flexIm folder
 - d. In the debug log path click on Browse
- i. Select the previously created log file in the flexIm folder
 - e. Mark the checkbox for "User Service" and "Start Server at Power UP"
 - f. Click on Save Service

LMTOOLS by Flexera			- 🗆 X
File Edit Mode Help			
Service/License File System Settin	gs Utilities Start/Stop/Reread Server	Status Server Diags	Config Services Borrowing
Configure Service Service Name	FlexIm Service 1	T	Save Service
Path to the Imgrd.exe file	:\11.18.3\64-bit Customer LM 11.18.3\Imgra	l.exe Browse	
Path to the license file	24\Downloads\LR3577-20220704155542-o	ut.lic Browse	
Path to the debug log file	C:\ProgramData\FLEXIm\Imgrd\debug.log	Browse	View Log Close Log
J ⊽ Start Server at Powe	r Up 🔽 Use Services	FlexNet Lice	nsing Service Details

3. Close the License manager

Enable Rules and Firewall:

- 1. Open a CMD page and navigate to C:\flexIm
- 2. Run the command Imgrd -z and hit enter
- 3. If the license has generated correctly you will be presented with the list of features and the ports that the License manager is using
- 4. You will be prompted to enable ports on your Firewall
- 5. Click on Private, Domain and Public for both of the Rules see image below:

P Windows Security Alert	🛛 💣 Windows Security Alert 🛛 🗙
Windows Defender Firewall has blocked some features of this app	Windows Defender Firewall has blocked some features of this app
Windows Defender Preveal has blocked some features of DEMO daemon on all public, private and domain networks. Windows Defender Preveal has blocked some features of DEMO daemon on all public, private block domain networks. Bublier: DEMO daemon Demo Corporation Patty: Public: C:/Redmi[m111.8.3]metrowika.exe Allow DEMO daemon to communicate on these networks: Quantan networks, such as a workplace network. Pipulatic networks, such as my home or work network Pipulatic networks, such as those in alports and coffee strops (not recommended because these networks often have little or no security) Whet are the risks of allowing an acco through a free all?	Window Defender Firewall has blocked some features of Piexera on all public, private and domain networks. Image: Piexera Bubbler: Piexera Potty: C. (Resimilient).8.39(ngrd.exe Allow Piexera to communicate on these networks: Image: Pitylate networks, such as my home or work network Image: Pitylate networks, such as my home or work network Image: Pitylate networks, such as those in aligners and coffee shops (not recommended because these networks often have little or no security) What we, the risks of solvers an acco through a fremal?
Galow access Cancel	Pallow access Cancel

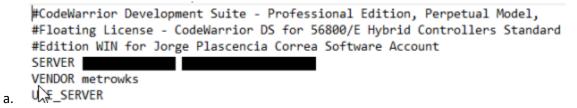
- 6. Press ctrl+c on the CMD page to stop the lmgrd service.
- 7. Open the Imtools.exe from the flexIm folder
- 8. Click on the Start/Stop/Reread Tab
- 9. Click on Start server

a.

a. You will see a message at the bottom of the tool "Server Starter Successfully"

Service/ Doorise	File System Settings Utilities	Start/Stop/Reread Server Status	Server Diags Config Services Borrowin
	N lice	nse servers installed as Windows ser	vices on this
	LC com	puter	
	11.	18.0.0	
	Start Server	Stop Server	ReRead License File
	Start Server		ReRead License File
	Start Server Edit Advanced settings	Force Server Shutdown	ReRead License File
		Force Server Shutdown	ecked to shut down a license server

10. Copy the first 6 lines from the server side and send them to the user that will be connecting on the client side.



Firewall Rules:

Note:

If the Rule is not set automatically by the License manager you will need to configure the rules on the Windows Firewall application with the steps below.

- 1. Open Windows Defender Firewall Advance Security
- 2. Click on New Rule
- 3. Click on Program
- 4. Click on Next

Rule Type	
Select the type of firewall rul	e to create.
Steps: Rule Type Program Action Profile Name	What type of rule would you like to create? Program Rule that controls connections for a program. Prote Rule that controls connections for a TCP or UDP port. Predefined: Predefined: Custom Custom Custom rule.
	< Back Next > Can

5. Click on Browser and navigate to the Imgrd.exe file

	🔗 New Inbound Rule Wiza	rd	×
	Program		
	Specify the full program path and	d executable name of the program that this rule matches.	
	Steps:		
	Rule Type	Does this rule apply to all programs or a specific program?	
	Program		
	 Action 	O All programs	
	Profile	Rule applies to all connections on the computer that match other rule properties.	
	Name	This program path:	
		%SystemDrive%VflexImVmgrd.exe Browse	
		Example: c:\path\program.exe	
		%ProgramFiles%\browser\browser.exe	
		< Back Next > Cancel	
a.			
6. Click o	on Allow The Connec	tion	
7. Click o			
7. CIICK U	[
	Mew Inbound Rule Wizard	×	
	Action		
	Specify the action to be taken whe	en a connection matches the conditions specified in the rule.	
	Steps:		
		What action should be taken when a connection matches the specified conditions?	
	 Rule Type Program 		
	 Action 	Allow the connection	
	 Profile 	This includes connections that are protected with IPsec as well as those are not.	
	 Name 	○ Allow the connection if it is secure	
	• Name	This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security	
		Rule node.	
		Customize	
		O Block the connection	
		< Back Next > Cancel	

8. Select all the options and click on next

💣 New Inbound	Rule Wizard	\times
Profile		
Specify the profiles for	r which this rule applies.	
Steps:		
Rule Type	When does this rule apply?	
Program		
Action	✓ Domain	
Profile	Applies when a computer is connected to its corporate domain.	
Name	✓ Private	
	Applies when a computer is connected to a private network location, such as a home or work place.	
	✓ Public	
	Applies when a computer is connected to a public network location.	
		_
	< Back Next > Cancel	

- 9. Enter the name FLEXERA-TCP
- 10. Repeat steps from 2-9 but with different name: -UDP
- 11. Start the Process but this time create the rules for the program called metrowks.exe in the install folder name both instance DEAMON-TCP and DEAMON-UDP
- 12. You will have something like this after done

	🕝 DE	AMON-TCP	All	Yes	Allow	No	%Syst	1 🛛 F	iter by Group	•
		AMON-UDP	All	Yes	Allow	No	%Syst	v	iew	•
2		exera-TCP	All	Yes	Allow	No	%Syst	Q R	efresh	
a.	S FI	exera-UDP	All	Yes	Allow	No	%Syst			
13. Select o	ne and Right	Click > Properties								
	DEAMO T									
		Disable Rule								
	DEAMC	Disable Hale								
	C D L HING		-							
	Charles and	- ·								
	Flexera	Cut								
	-	-								
	Flexera	C								
		<u>C</u> opy								
	🕑 Kollecti									
	Conecti	Delete								
	and the second	Delete								
	🕑 Kollecti		_							
	Microse	P <u>r</u> operties								
	Whereas	1 Tobernes								
	and the second s		-							
	Micros									
	-	<u>H</u> elp								
-	🖉 Micros									
a.		/								

14. In the Protocols and Ports click on the dropdown and select the correct Protocol that it applies for rule

Protocols and ports Image: Protocol type: TCP Protocol number: Any Protocol number: Any Local port: ICMPv4 IGMP ICMPv4 IGMP ICP VDP IPv6 IPv6-Route IPv6-Route ICMPv6 IPv6-NoNxt IPv6-Opts VRRP Internet Control Message VRRP	Protocols and Ports Scope Advanced Local Principals Remote Users Protocols and ports TCP Protocol type: TCP Protocol number: Any Custom HOPOPT Local port: ICMPv4 IGMP TCP UDP IPv6-Route IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-Opts	Protocols and Ports Scope Advanced Local Principals Remote Users Protocols and ports Protocol type: TCP Protocol number: Any Custom HOPOPT Local port: ICMPv4 IGMP UDP IPv6 IPv6 IPv6 IPv6-Frag GRE ICMPv6 IPv6-Frag GRE ICMPv6 IPv6-Frag GRE ICMPv6 IPv6-Opts VRRP PGM	-		_	10.1		
Protocols and ports Image: Protocol type: TCP Protocol number: Any Protocol number: Any Local port: ICMPv4 IGMP ICMPv4 IGMP ICP VDP IPv6 IPv6-Route IPv6-Route ICMPv6 IPv6-NoNxt IPv6-Opts VRRP Internet Control Message VRRP	Protocols and ports Protocol type: TCP Protocol number: Any Custom HOPOPT Local port: Any Custom HOPOPT ICMPv4 IGMP Remote port: TCP UDP IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-Opts VRRP PGM	Protocols and ports Protocol type: TCP Protocol number: Any Custom HOPOPT Local port: ICP UDP IPv6 IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-NoNxt IPv6-Opts VRRP PGM						
Image: Second system TCP Protocol number: Any Protocol number: Custom HOPOPT ICMPv4 Local port: IGMP UDP IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 ICMPv6 IPv6-NoNxt IPv6-Opts VRPP Nemet Control Message VRP	Protocol type: TCP Protocol number: Any Custom HOPOPTT Local port: ICMPv4 IGMP Remote port: TCP UDP IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-NoNxt IPv6-Opts VRRP PGM	Image: Second system TCP Protocol number: Any Protocol number: Any Custom HOPOPT Local port: ICMPv4 IGMP TCP UDP IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-Opts VRRP PGM VRRP PGM PGM	Protocols a	ind Ports	Scope	Advanced	Local Principals	Remote Users
Protocol number: Any Custom HOPOPT ICMPv4 IGMP TCP UDP IPv6 IPv6-Route IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-NoNxt IPv6-Opts VRRP VRRP	Protocol number: Any Custom HOPOPT ICMPv4 IGMP TCP UDP IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag GRE IPv6-Frag Frag	Protocol number: Any Custom HOPOPT ICMPv4 IGMP TCP UDP IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-NoNxt IPv6-Opts VRRP PGM	Protocol	s and ports				
Local port: Custom HOPOPT ICMPv4 IGMP TCP UDP IPv6 IPv6-Route IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-Strag GRE ICMPv6 IPv6-NoNxt IPv6-Opts Internet Control Message	Local port: Custom HOPOPT ICMPv4 IGMP Local port: ICMPv4 IGMP Remote port: IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-Opts VRRP PGM	Custom HOPOPT Local port: ICMPv4 IGMP TCP UDP IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-Opts VRRP PGM	and the	Protocol t	ype:	TCP		~
Local port: IGMP TCP UDP IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-NoNxt IPv6-Opts VRP VRP VRP	Local port: IGMP TCP UDP IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-NoNxt IPv6-Opts VRRP PGM	Local port: IGMP TCP UDP IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-NoNxt IPv6-Opts VRRP PGM		Protocol r	number:	Custom HOPOPT		
Remote port: Remote port: IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-NoNxt IPv6-Opts VRRP VRRP	Remote port: Remote port: IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-NoNxt IPv6-Opts VRRP PGM	Remote port: IPv6 IPv6-Route IPv6-Frag GRE ICMPv6 IPv6-NoNxt IPv6-Opts VRRP PGM		Local por	t:	IGMP TCP		
IPv6-NoNxt IPv6-Opts VRRP	Internet Control Message (ICMP) settings:	Internet Control Message (ICMP) settings:		Remote p	ort:	IPv6 IPv6-Route IPv6-Frag GRE		
				Internet C (ICMP) se	ontrol Messa ttings:	IPv6-NoNxt IPv6-Opts VRRP PGM		

a. **1**5. Make the same change to all 4 new rules created.