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# 1. Introduction to GuideLine Installation

### 1.1 Introduction to License Manager

License Manager it is a software that allows several alternatives in installing GuideLine, each one of them addressing different needs and having specific advantages. It supports two license types:

- Node-locked: this license is linked to the PC where GuideLine and License Manager are installed. It enables one user to run GuideLine, which is the local user logged into the machine (no network access);
- Floating: this allows the usage of GuideLine to multiple users within a network. It is
  physically installed on the machine where the License Manager is installed (License
  Server) and allow the usage of GuideLine to as many concurrent users as included in the
  activation code.

It is important to note that License Manager is a separate software than GuideLine itself: this offers a further level of flexibility allowing the server/client installation of GuideLine. That configuration can be advantageous particularly for large organizations, since the SW can be centralized in a single installation, accessed by network users, and maintained from a single instance instead of several local installations.

To resume, please refer to the table below:

	LOCAL GUIDELINE INSTALLATION	SERVER INSTALLATION
NODE-LOCKED LICENSE	GuideLine and License Manager are both locally installed into the PC that runs GuideLine. Any user of the PC can run GuideLine, one at a time	GuideLine is installed on a server, but the license is local. Any user of the PC can run GuideLine, one at a time, but GuideLine is installed centrally on the server (i.e. sharing the components' library)
FLOATING LICENSE	License Manager is installed on a server and GuideLine is installed locally. Licenses are managed by the server, therefore any network user having GuideLine installed locally can run it. Maximum concurrent users are limited by the license code. GuideLine is managed locally (i.e. components' library may be different)	Both GuideLine and LM are installed on a server. Licenses are managed by the server; therefore, any network user can run GuideLine. Maximum concurrent users are limited by the license code. GuideLine is managed centrally on the server (i.e. sharing the components' library)

# 1.2NX and Links

🕼 Setup - GuideLine V4	_		×
Select Additional Tasks Which additional tasks should be performed?			BCK
Select the additional tasks you would like Setup to perform w V4, then click Next.	hile installing (	GuideLine	
Additional shortcuts:			
Create a desktop shortcut			
Do You Want to Install the NX Package?			
Install NX Package			
<ul> <li>✓ Open Step Files Using Bly</li> <li>✓ Open Iges Files Using Bly</li> </ul>			
< Back	Next >	C	ancel

Install NX add to the Library the prt files and an NX integration with Siemens NX. In order to use the integration between NX and GuideLine an extra (manual) step is required:

- Open NX->Information->NX Log File 1)
- Edit-> Find
- 2) 3) 4) 5) Find the value for UGII\_CUSTOM\_DIRECTORY\_FILE Open the custom directory File
- - Add to the custom directory file the path where GuideLine is installed:

	OS (C:) > BCK Solutions > GuideLine V4	ن × 1	Search GuideLine V4	۶
1.0.1	^ Name	Date modified	Туре	Size
📌 Quick access	application	29/05/2017 12:00	File folder	
😌 Dropbox	Converter	29/05/2017 12:00	File folder	
a OneDrive	dati	29/05/2017 11:54	File folder	
	FCSSystem	24/05/2017 14:15	File folder	
🗢 This PC	Misc	29/05/2017 12:00	File folder	
🕨 🚡 Desktop	📕 x64	29/05/2017 12:00	File folder	
Documents	×86	29/05/2017 12:00	File folder	
Downloads	Bly3D.exe	22/05/2017 11:34	Application	2
Music	Bly3D.pdb	22/05/2017 11:34	PDB File	
E Pictures	Density.txt	19/02/2015 15:25	Text Document	
📕 Videos	itextsharp.dll	27/07/2016 14:08	Application extension	3
👟 OS (C:)	unins000.dat	29/05/2017 12:13	DAT File	
> BCK	nins000.exe	29/05/2017 12:10	Application	
<ul> <li>BCK Solutions</li> </ul>				
> GuideLine V4				
<ul> <li>bck_tools</li> </ul>				
Eseguibili Necessari				
Seguibili Necessari     GL				
> 📜 Guideline V4	~ <			
3 items				800
ustom dirs.dat - Notepad			- □	>
custom_dirs.dat - Notepad			- 0	>
e Edit Format View Help	NO UCT CUCTOM DIRECTORY ETLE	can point to this char		>
e Edit Format View Help environment varia	able UGII_CUSTOM_DIRECTORY_FILE		ed	>
e Edit Format View Help environment varia file, so that all	l users will load the third part	y software. When a ne	red W	>
Edit Format View Help environment varia file, so that all software tool nee		y software. When a ne	red W	
<ul> <li>Edit Format View Help</li> <li>environment varia</li> <li>file, so that all</li> <li>software tool nee</li> <li>to give all users</li> </ul>	l users will load the third part eds to be added in, the global s s access to the new software.	y software. When a ne hared file can be upda	red W ted	2
<ul> <li>Edit Format View Help environment varia file, so that all software tool nee to give all users</li> <li>2. Edit this fil</li> </ul>	I users will load the third part eds to be added in, the global si s access to the new software. In and add the directory to it.	y software. When a ne hared file can be upda The problem with doir	red W ted	;
<ul> <li>Edit Format View Help environment varia file, so that all software tool nee to give all users</li> <li>2. Edit this fil this is that diff</li> </ul>	I users will load the third part eds to be added in, the global sis a access to the new software. Le and add the directory to it. ferent users will have local cop	y software. When a ne hared file can be upda The problem with doir ies of the NX software	red W ted	;
<ul> <li>Edit Format View Help environment varia file, so that all software tool nee to give all users</li> <li>2. Edit this fill this is that diff</li> </ul>	I users will load the third part eds to be added in, the global si s access to the new software. In and add the directory to it.	y software. When a ne hared file can be upda The problem with doir ies of the NX software	red W ted	;
<ul> <li>Edit Format View Help environment varia file, so that all software tool nee to give all users</li> <li>2. Edit this fill this is that diff and so different</li> </ul>	I users will load the third part eds to be added in, the global sis s access to the new software. Ie and add the directory to it. ferent users will have local cop files that need to be kept up to	y software. When a ne hared file can be upda The problem with doir ies of the NX software	red W ted	;
<ul> <li>Edit Format View Help environment varia file, so that all software tool nee to give all users</li> <li>2. Edit this fill this is that diff and so different</li> </ul>	I users will load the third part eds to be added in, the global sis a access to the new software. Le and add the directory to it. ferent users will have local cop	y software. When a ne hared file can be upda The problem with doir ies of the NX software	red W ted	;
<ul> <li>Edit Format View Help environment varia file, so that all software tool nee to give all users</li> <li>Edit this fill this is that diff and so different</li> <li>Customers should fe</li> </ul>	I users will load the third part eds to be added in, the global sis s access to the new software. Ie and add the directory to it. ferent users will have local cop files that need to be kept up to	y software. When a ne hared file can be upda The problem with doir ies of the NX software o-date.	red W ted	
<ul> <li>Edit Format View Help environment varia file, so that all software tool nee to give all users</li> <li>Edit this fill this is that diff and so different</li> <li>Customers should fe</li> </ul>	l users will load the third part eds to be added in, the global si s access to the new software. le and add the directory to it. Ferent users will have local cop files that need to be kept up-to eel free to edit this file.	y software. When a ne hared file can be upda The problem with doir ies of the NX software o-date.	red W ted	>
<ul> <li>Edit Format View Help environment varia file, so that all software tool nee to give all users</li> <li>Edit this fill this is that diff and so different</li> <li>Customers should fe</li> </ul>	l users will load the third part eds to be added in, the global si s access to the new software. le and add the directory to it. Ferent users will have local cop files that need to be kept up-to eel free to edit this file.	y software. When a ne hared file can be upda The problem with doir ies of the NX software o-date.	red W ted	>
<ul> <li>Edit Format View Help environment varia file, so that all software tool nee to give all users</li> <li>2. Edit this fill this is that diff and so different</li> <li>Customers should fe</li> </ul>	<pre>l users will load the third part eds to be added in, the global si s access to the new software. le and add the directory to it. ferent users will have local cop files that need to be kept up-to eel free to edit this file.</pre>	y software. When a ne hared file can be upda The problem with doir ies of the NX software o-date.	red W ted	>

6)

If the GuideLine is on the server, execute caspol.bat (caspol\_x64.bat for X64 Machines)

# 2. GuideLine installation: local configuration

This configuration must be used with node-locked license, which can be accessed by the machine where it is installed only. It installs the software components and the license manager on the local machine (see <u>Introduction to License Manager</u> for more details).

Please, note that a local installation can be use a floating license accessing a separate license server too (see <u>Upgrade Node Locked License to a Floating License</u>).

## 2.1 Installing GuideLine Local

Launch "GuideLine\_V4\_4.0.1.1.exe" and select "Local" from the installation type window (see below).

🕼 Setup - GuideLine V4		-		×
Select Installation Type and Data Lo What type of installation do you want installed/located?		files be	9	BCK
Installation Type:				
<ul> <li>Local</li> </ul>	Choose this installation type			
◯ Client	the application only from this workstation.			
C License Server				
◯ License Server + Local				
Setup will install data files into the foll	owing local folder.			
To continue, click Next. If you would	ike to select a different folder,	click Bro	owse.	
C:\BCK Solutions\GuideLine V4\		В	rowse	
	Nex	d >	(	Cancel

Select folder installation by clicking "Browse" and click "Next".

**IMPORTANT**: although GuideLine will install correctly, we recommend not to install the software in a folder under "C:\Program Files\...", since Windows will set permissions that will prevent GuideLine to import correctly custom components. Those permissions are not editable, even for an administrator. A path like "C:\BCK Solutions\GuideLine V4\" will be safer.

In the following window, specify the folder's name that will appear on Window's start menu and press "Next"

🕼 Setup - GuideLine V4	_		×
Select Start Menu Folder Where should Setup place the program's shortcuts?			BCK
Setup will create the program's shortcuts in the following Star	t Mer	nu folder.	
To continue, click Next. If you would like to select a different folder,	click	Browse.	
GuideLine V4		Browse.	
Don't create a Start Menu folder			
< Back Nex	d >		Cancel

#### The Additional Tasks window will display:

🕼 Setup - GuideLine V4		_	
Select Additional Tasks Which additional tasks should be performed	1?		BCK
Select the additional tasks you would like S V4, then click Next. Additional shortcuts:	etup to perform wh	ile installing Gu	uideLine
Create a desktop shortcut			
Do You Want to Install the NX Package?			
Install NX Package			
✓ Open Step Files Using Bly			
✓ Open Iges Files Using Bly			
	< Back	Next >	Cancel

"Install NX Package" installs GuideLine's elements that enable the integration with Siemens NX. For further details, please, refer to NX and Links.

On the resume window, press "Install" if you confirm the installation or "Back" to modify it. From the final window, GuideLine can be launched straight away.

🕼 Setup - GuideLine V4	– 🗆 X
	Completing the GuideLine V4 Setup Wizard
BCK	Setup has finished installing GuideLine V4 on your computer. The application may be launched by selecting the installed shortcuts.
	Click Finish to exit Setup.
	✓ Launch GuideLine V4
	Finish

# 3. GuideLine installation: Server-Client configuration

This configuration must be used with floating licenses, which can be accessed by more than a user on different machines in the network. It requires the installation of GuideLine Server onto a PC that will manage the access to the license (from now on "Server") and the installation of one GuideLine Client ("Client") on each of the PC that licenses must be accessed from.

# 3.1 Installing GuideLine Server

This option installs License Manager. To begin with the installation, launch "GuideLine\_V4\_4.0.1.1.exe" and select "License Server" from the installation type window (see below).

🕞 Setup - GuideLine V4		—		×
Select Installation Type and Data Lo What type of installation do you want t installed/located?		a files b	e	BCK
Installation Type:				
	Choose this installation typ installing the application or			
Client	you want to share it with d			
License Server				
◯ License Server + Local				
Setup will install data files into the follo	wing shared folder.			
To continue, click Next. If you would li	ke to select a different folder,	, <mark>clic</mark> k Br	owse.	
C:\BCK Solutions\GuideLine V4\			Browse	
	Ne	ext >	(	Cancel

**IMPORTANT**: although GuideLine will install correctly, we recommend not to install the software in a folder under "C:\Program Files\...", since Windows will set permissions that will prevent GuideLine to import correctly custom components. Those permissions are not editable, even for an administrator. A path like "C:\BCK Solutions\GuideLine V4\" will be safer.

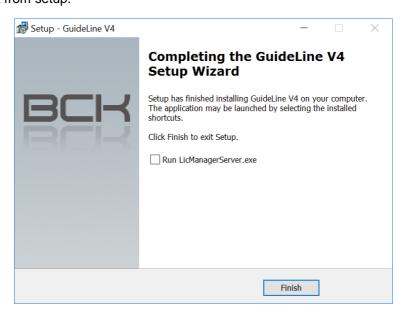
In the following window, specify the folder's name that will appear on Window's start menu and press "Next"

🕼 Setup - GuideLine V4	_		×
Select Start Menu Folder Where should Setup place the program's shortcuts?			BCK
Setup will create the program's shortcuts in the following	Start Mer	nu folder.	
To continue, click Next. If you would like to select a different fold	der, click	Browse.	
GuideLine V4		Browse.	
Don't create a Start Menu folder			
< Back	Next >		Cancel

The Additional Tasks window will display:

🕼 Setup - GuideLine V4			_		×
Select Additional Tasks Which additional tasks should be performed	?				BCK
Select the additional tasks you would like Se V4, then click Next.	etup to perform v	while install	ing Gui	ideLine	
Additional shortcuts:					
Create a desktop shortcut					
✓ Open Step Files Using Bly					
✓ Open Iges Files Using Bly					
	< Back	Next >	>	C	ancel

When the setup is done please DO NOT CHECK the "Run LicenseManager.exe" box: it must be run as administrator later (see <u>Entering the Activation Code</u>). Click Finish and exit from setup:



# 3.2Installing GuideLine Server + Local

This option installs License Manager and GuideLine application that can be used locally and accessed by clients too. To begin with the installation, launch "GuideLine\_V4\_4.0.1.1.exe" and select "License Server + Local" from the installation type window (see below).

🕼 Setup - GuideLine V4		—		×	
Select Installation Type and Data I What type of installation do you wan installed/located?		ta <mark>f</mark> iles be	E	3⊂⊢	
Installation Type:					
Local	Choose this installation typ installing the application or				
◯ Client		you want to share it with clients and use			
◯ License Server					
License Server + Local					
Setup will install data files into the fo	llowing shared folder.				
To continue, click Next. If you would	l like to select a different folder	, click Bro	wse.		
C:\BCK Solutions\GuideLine V4\		Br	owse		
	N	ext >	Can	cel	

**IMPORTANT**: although GuideLine will install correctly, we recommend not to install the software in a folder under "C:\Program Files\...", since Windows will set permissions that will prevent GuideLine to import correctly custom components. Those permissions are not editable, even for an administrator. A path like "C:\BCK Solutions\GuideLine V4\" will be safer.

In the following window, specify the folder's name that will appear on Window's start menu and press "Next"

📸 Setup - GuideLine V4	_	
Select Start Menu Folder Where should Setup place the program's shortcuts?		BCK
Setup will create the program's shortcuts in the following Start N	1enu fol	der.
To continue, click Next. If you would like to select a different folder, cli	ck Brow	se.
GuideLine V4	Bro	wse
Don't create a Start Menu folder		
< Back Next :	>	Cancel

The Additional Tasks window will display:

🕼 Setup - GuideLine V4		_	
Select Additional Tasks Which additional tasks should be performed?			BCK
Select the additional tasks you would like Setup to V4, then click Next.	perform while in	stalling Gui	ideLine
Additional shortcuts:			
Create a desktop shortcut			
Do You Want to Install the NX Package?			
Install NX Package			
Open Step Files Using Bly			
✓ Open Iges Files Using Bly			
<	Back N	ext >	Cancel

"Install NX Package" installs GuideLine's elements that enable the integration with Siemens NX. For further details, please, refer to NX and Links.

When the setup is done please DO NOT CHECK the "Run LicenseManager.exe" box: it must be run as administrator later (see Entering the Activation Code).

Click Finish and exit from setup:

🕞 Setup - GuideLine V4	– 🗆 X
	Completing the GuideLine V4 Setup Wizard
BCK	Setup has finished installing GuideLine V4 on your computer. The application may be launched by selecting the installed shortcuts. Click Finish to exit Setup. Launch GuideLine V4 Run LicManagerServer.exe
	Finish

# 3.3 Installing GuideLine Client

This option creates a GuideLine's client, which requires to specify the license server afterwards. It can be installed in any PC in the network able to access the shared folder on the server, where GuideLine is installed.

To begin with the installation, launch "GuideLine\_V4\_4.0.1.1.exe" and select "Client" from the installation type list (see below).

🕼 Setup - GuideLine V4	– 🗆 X
Select Installation Type and Data L What type of installation do you want installed/located?	t to execute? Where should data files be
Installation Type:	
	Choose this installation type if you are installing the application on a client of a
<ul> <li>Client</li> </ul>	network.
C License Server	
CLicense Server + Local	
Select shared folder containing data f	files.
To continue, click Next. If you would	like to select a different folder, click Browse.
Click "Browse" to set the Shared Fold	ler Browse
	Next > Cancel

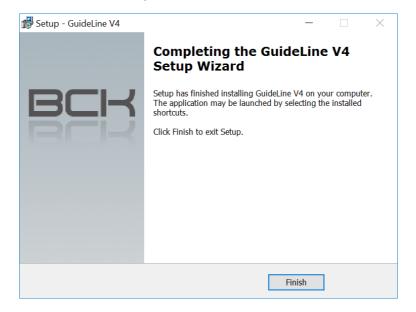
The installation requires then to browse for the shared folder where GuideLine sw is installed. Please note that the folder can also be local in the machine where the client is going to be installed.

Browse For Folder	×
Select shared folder.	
<ul> <li>Music</li> <li>Pictures</li> <li>Videos</li> <li>OS (C:)</li> <li>BCK Solutions</li> <li>GuideLine V4</li> <li>application</li> <li>Converter</li> <li>dati</li> <li>FCSSystem</li> <li>Misc</li> <li>x64</li> <li>x86</li> <li>bck_tools</li> <li>Brother</li> </ul>	
Areative Suite Make New Folder	OK Cancel

The Additional Tasks window will display:

7 Setup - GuideLine V4		_		×
Select Additional Tasks Which additional tasks should be performed	?			вск
Select the additional tasks you would like Se V4, then click Next.	tup to perform v	vhile installing	GuideLine	2
Additional shortcuts:				
Create a desktop shortcut				
Open Step Files Using Bly				
Open Iges Files Using Bly				
	< Back	Next >	(	Cancel

As you may notice, "Install NX" option is not present, since the client will read the installation on the server and have the integration installed, eventually.



# 4. Using GuideLine with the License Manager

# 4.1 First Time Activation

The first time that GuideLine (either node-locked or client floating) is launched, the following window is displayed:

Bly 3D Activation	×
BLY	
Current License info Activate License	
Your MAC Address: F45C89BF0398 Copy to Clipboard	
Please enter your Activation Code. Request Code via e-Mail	
Open License File	
Server IP Server Port	
Server List  V Remove	
Activate Cancel	

In case you are running a local installation and have a node-locked license, press and navigate to the license file, then click the "Activate" button.

If you are launching a client of a floating license, fill in "Server IP" address and "Server Port" fields and then press "Add". It is possible to specify several server licenses, which will be listed in the "Server List" dropdown.

Bly 3D Activation
BLY
Current License info Activate License
Your MAC Address: F45C89BF0398 Copy to Clipboard
Please enter your Activation Code. Request Code via e-Mail
Open License File
Server IP Server Port
Server List
192.168.1.16:8080          Remove           192.168.1.16:8080
Activate Cancel

Obsolete servers can be removed from the list pressing "Remove" button.

In order to make a client working, a floating license must be activated on the server: please, refer to chap. <u>License activation on a server</u> for the procedure.

Once the process is fully configured a message will confirm that you are using one of your available Licenses

ОК	$\times$
You are now using 1 of the 1 licenses	
ОК	

## 4.1.1 License activation on a server

From Windows Start Menu, run License Manager as administrator (right-click->More->Run as Administrator).

	GuideLine V4 New GuideLine V4 New		<b>e</b> Microsoft Ec	lge	Poto Carlo	Search	Soli
	Tea Me	n to Start ore	>	<sub>یمہ</sub>	Pin to taskbar		Buc al la 70
	H Ur Han	ninstall			Run as administrat	or	Mc
8	HelpNDoc	v			Open file location	AND A	<

In the "Activation" Tab press and navigate to the license file, then click the "Activate" button.

LicManagerServer	- 🗆 ×
Activation Info	
Your MAC Address: F45C89BF039	8 Copy to Clipboard
Please enter your Activation Code.	Request Code via e-Mail
Open License File	
	Activate

If you don't have a license file yet or is invalid, you can request it to BCK Solutions (<u>info@bcksolutions.com</u>), indicating the Server's MAC Address (you can Copy it to Clipboard from this window and paste it to your email).

## 4.1.2 Checking the service status

Once the activation process is completed, click on the "info" Tab. If everything went fine during the installation process service should be up and runnin.

😑 LicMan	agerServ	er		_		×
Activation	Info					
		Service Up	and Running			
			Change Port:			
	Restart		8080		Set Port	
		Get Info o	n Utilization			

If the process is stopped or is not starting automatically, please click on the "Restart" button

□ LicManagerServer				$\times$		
Activation Info						
	Service is not Respond	ing				
Restar	Change Po 8080		Set Port			
Get Info on Utilization						

With the process stopped, the communication port can also be changed, in case of conflicts with the firewall

#### 4.1.3 Current License Info

Navigating to the "Info" Tab, is also possible to access to the main information about the current License: press "Get Info on Utilization"

□ LicManagerServer				$\times$	
Activation Info					
	Service Up and Running				
Restart	Change Port: 8080		Set Port		
Get Info on Utilization					

and info license window pops up listing the modules available and used in the network:

Info License			
BLY			
MODULES OWNED: 1 - Bly3D License Vsed:0 2 - GuideLine License Nr:1 License Used:0			~
	Update	Close	

# 4.2 Upgrade Node Locked License to a Floating License

Click on the "Change License Information" button in GuideLine.

BL Bly 3D Viewer - 4.0.1.1		−	
$\pm \Box  ho$			尊 🖍
			Ð
			B
			5
			Q
			~~
			人
			к х К х
			口令母
			Å
			4 <u>0</u> 4
	Y		
	2— x		

The "Bly 3D Activation" window will appear.

3D Activation		
BLY		
Current License info A	ctivate License	
Your MAC Address:	F45C89BF0398	Copy to Clipboar
Please enter your Activ	vation Code. Requ	uest Code via e-Mail
Open License File		
Server IP	Ser	ver Port Add
Server List		
192.168.1.16:8080		~ Remove
	Activa	ate Cancel

To use a floating license, fill in "Server IP" address and "Server Port" fields and then press "Add". It is possible to specify several server licenses, which will be listed in the "Server List" drop-down.

# 4.3Troubleshooting during Activation

If you encounter an issue during the activation process, please be sure that the IP address you have entered is the correct address of the PC on which the service is installed.

Also check if the service is currently running.

😑 LicMan	agerServe	er		_		$\times$
Activation	Info					
		Service Up	and Running			
	Restart		Change Port: 8080		Set Port	
	Restart		8080		Set Port	
Get Info on Utilization						

If the problem persists, please contact BCK Solutions.

## 4.4TimeOut

If the server become unreachable for about 4 minutes the current instance of GuideLine will be frozen. The associated license will be freed so it can be used by another PC but the current one will be able only to save until the Server is hooked again.