Installation Guide

2019 R1 | Manufacturing Operations Management

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How to use this guide

The following instructions explain how to install all the components of LYNQ mes. Prior to commencing the installation, you must ensure that the specification of servers, clients and data collection devices (Web Clients) where SYSPRO MES will be deployed to, meet the minimum requirements as detailed in the **System Requirements** document.

To prepare for the installation, it is recommended that you have the following information to hand.

Please note, you must be logged on as a **windows administrator** to perform the install and **User Account Control** must be disabled on each server or client computer.

During the installation of LYNQ, you will be requested for the following information:

Requested Information	Notes
LYNQ License Name	
Web Server Name	
Database Server Name	
SYSPRO Database Name	
LYNQ Administrator Name(s)	

Important Information

LYNQ Licensing Server: LYNQ provides a physical copy of the licence which can be provided during the installation. However if you do not have the physical license file you only need your license name to install LYNQ. When entering your license name the installer will validate your license against the LYNQ licensing server.

LYNQ administrators: When requested to enter administrator names, you must enter your windows user name.

User Account Control: Remember to turn on User Account Control after installing LYNQ.

Product Updater: The Product Updater is a proprietary application that has been designed to deliver applications that you are licensed for. If an installation has been customized by the LYNQ team, the Product Updater will provide you with a warning when upgrades are applied. This is to ensure that you are made aware of any changes that may need to be re-applied after the upgrade has finished.

The Product Updater can be saved to a network share so it's easily accessible to all LYNQ users.

Firewall Rules: The Product Updater does not automatically create firewall rules. Rules must be setup manually.

Internet Information Services

LYNQ mom and LYNQ api are web-based applications and will need to be installed on a server where Internet Information Services is installed. Prior to commencing with this installation ensure the following server roles and features are installed.

Server Roles

elect server ro	les	DESTINATION SERVER X3ERPV11VM
Before You Begin Installation Type	Select one or more roles to install on the selected server. Roles	Description
Server Selection Server Roles	Print and Document Services Remote Access Remote Desktop Services	Common HTTP Features supports basic HTTP functionality, such as delivering standard file formats and
Features Confirmation Results	 Verifice Desktop Services Volume Activation Services Web Server (IIS) (25 of 43 installed) Web Server (18 of 34 installed) Oefault Document (Installed) Directory Browsing (Installed) Directory Browsing (Installed) WTP Errors (Installed) Static Content (Installed) Static Content (Installed) WebDAV Publishing Health and Diagnostics (1 of 6 installed) Performance (Installed) Security (2 of 9 installed) Application Development (9 of 11 installed) FTP Server Management Tools (Installed) 	configuring custom server properties. Use Common HTTP Features to create custom error messages, to configure how the server responds to requests that do not specify a document, or to automatically redirect some request to a different location.







Note: Local Installations: For demonstration and training purposes you can install LYNQ on a local computer or laptop. Remember to enable these features prior to your installation. It's likely that none of these features or roles are installed.

Once all pre-requisites have been installed and you have available all the information in the table in the **How to use this guide** section you are ready to complete the installation of LYNQ.

Authentication

Users of **SYSPRO mom** and **SYSPRO api**, must connect to the web sites using windows authentication. Make sure **Windows Authentication** is enabled in the security section. **SYSPRO MOM** will fail to load if this is not enabled.

.NET Framework

Features

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Once all pre-requisites have been installed and you have available all the information in the table in the How to use this guide section you are ready to complete the installation of LYNQ.

Note: WCF Services: Failing to enable HTTP Activation will prevent LYNQ api from loading. Remember to enable this feature before you start the installation.

Downloading and Running the Product Updater

The following steps describe how to download and run the Product Updater.

Download and extract the Product Updater.zip file.
 For the latest copy of the Product Updater navigate to https://support.lynqmes.com/Download/.
 LYNQ generally release a new Product Updater every 3-6 months. This is to provide you with the

latest updates which may include improvements to the overall UX or technical changes.
 Once downloaded right click on the **Product Updater.exe** file and select **Run as administrator**.

The *Product Updater* window is displayed.

Product Updater	Powe	ered by LYNQ
Enter License Name	The availability of LYNQ product versions will not be affected by the version of the Product Updater you are running. Please use the Product Updater to install, upgrade, repair and remove versions of LYNQ products. Periodically, improvements are made to the Product Updater and you may be requested to download a new version of this file.	5
Customer Domain	END USER LICENSE AGREEMENT	•
	IMPORTANT! THIS IS THE END USER LICENSE AGREEMENT TERMS OF USE THAT YOU ARE REQUIRED TO ACCEPT BEFORE INSTALLING AND USING LYNQ LIMITED SOFTWARE. CAREFULLY READ ALLTHE TERMS AND CONDITIONS OF THIS END USER LICENSE AGREEMENT BEFORE PROCEEDING WITH THE DOWNLOADING AND/OR INSTALLATION OF THIS SOFTWARE PRODUCT. BY OPENING OR BREAKING THE SEAL ON THE SOFTWARE PACKAGE, INSTALLING OR DOWNLOADING THE SOFTWARE, OR USING THE YOFTWARE THAT HAS BEEN PRELOADED OR IS EMBEDDED IN YOUR PRODUCT, YOU AGREE TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO THESE TERMS, PROMPTLY RETURN ALL SOFTWARE.	
	1. DEFINITIONS	.
LYNQ		
Privacy Policy	Next	Close

- 3. Enter your License Name and tab.
- 4. Accept the License Agreement and click on Next.

The Product Updater window is displayed.



The Product Updater will show you software that you are licensed for.
 The Product Updater window is displayed.

Product Updater			Powered by LYNQ
Enter License Name Customer Domain NTDOMAIN	LYNQ api Olio Olio Folder Install	LYNQ aps	LYNQ mom Folder Install
LYNQ			
			Refresh Close

6. You are now ready to start installing LYNQ.

Order of components: When installing LYNQ it's best to install the different components in the same order:

- LYNQ aps
- LYNQ mom and
- LYNQ api

Installing LYNQ aps

The following steps describe how to install LYNQ aps.

- 1. Logon to the computer with Administrator rights (both Windows and SQL).
- 2. Right click on the Product Updater file and select Run as administrator .
- 3. Locate the product **LYNQ aps**.
- 4. Select an installation path by clicking on the folder button.

The **Select Installation Folder** window is displayed.

Select Installation Folder		
C:\SYSPRO\LYNQ\LYNQ aps		
	Ok	Cancel

- 5. Accept the default path or change the path and then select **Ok**. Change the path to C:\SYSPRO\LYNQ\LYNQ aps. Select Ok.
- 6. Click Install.

The first time you open a SYSPRO Database with LYNQ aps, a number of SQL objects are created in the SYSPRO Database. This only happens on first use and you must ensure that the user opening the company is a **SQL SysAdmin** user or with equivalent security rights to create **Tables**, **Views**, **Stored Procedures** and **Functions**.

The **Product Updater Notification** window is displayed.



7. Select **Ok** to continue.

The Select Version window is displayed.

9	Select Version						
	Product	Release	Build	Revision	Created	Comments	
	LYNQ aps	2019 R1	10.0.0.0		18 July 2019		
	LYNQ aps	2016 R2 SP1	9.27.14.0		09 July 2019		
	LYNQ aps	2016 R2 SP1	9.27.13.0	4	13 June 2019		
	LYNQ aps	2016 R2 SP1	9.27.13.0	2	12 June 2019		
	8414	0016 00 604	0.0740.0		00.14 0040		•
						Ok Clos	e

- 8. From the product version drop down list, select the latest version and click on **Ok**. Highlight the row LYNQ aps release 2019 R1 build 10.0.0 dated 18 July 2019.
- 9. The installation of LYNQ aps will take a few minutes to complete. Once the installation has completed, tick Launch LYNQ aps.



10. Click on Ok.

You are now ready to configure LYNQ aps.

Configuring Visual APS for SYSPRO

The following steps describe how to configure Visual APS for SYSPRO for the first time.

 Once Visual APS for SYSPRO has loaded, you may be asked to update your license. The *License Upload* window is displayed.

License Upload	1	Close X
Network domain	NTDOMAIN	* Network domain name is used for license verification, you submitted this information to software vendor on license purchase step
License name		* License name is used for license verification, you should have received this information from software vendor on license purchase step
License ID		
Expiration Date		
Total users		
Market		
Styling		
Get License C	Online or Upload Licens	se File Manually Buy new License

Enter your License Name and click on Get License Online and then Ok.
 If your License Name has been entered correctly, the Get License Online will populate all the fields with the required information.

Information	x
License is Successfully Updated	
Ok	

3. The Landing page of **Visual APS for Syspro** is opened.



4. Select the **Open Company** option.

The **Open Database** window is displayed.

Open Database					x
Scheduling interval from:	2019/08/14		to	2019/11/05	. ▼
E Server	Company		Auth	entication Mode	From
					•
					>
Server					
Authentication ———					Security
Windows Authentica	tion	Login			App Role
SQL Server Authentic	ation Pa	ssword			
Company Type database	e name				ОК
New Database Connection	on				\odot

5. Enter the required details to create a new database connection that enables the program to connect to the SYSPRO Database.

You must open the company with a user that has **SysAdmin** rights.

Server: (enter your name of the SQL Server where the SYSPRO database resides)

Authentication: Windows Authentication or SQL

Company: Set the company name to the correct SYSPRO ERP database.

The **Open Database** window displays the required information entered.

Open Database				x
Scheduling interval from:	2019/08/14	🔲 🔻 to	2019/11/05	. ▼
E Server	Company	Au	thentication Mode	From
				•
•				•
Server (local)				
Authentication —				Security
Windows Authentica	tion	Login		🖌 App Role
SQL Server Authentio	cation Pas	sword		
Company SysproEdu1				ОК
New Database Connection	on) 🕘	$\overline{\mathbf{O}}$

6. Select to **OK**.

The Visual APS window is displayed.

Visual APS	x
Your windows account has not been granted a user license. A license must be assigned to your account to access the application. Contact your system administrator for assistance or click YES to enter the user access setup window.	
Yes No	

7. Select **Yes** to continue.

The *Edit Settings* window is displayed highlighting User Access.

Edit	Settings		x
	SETTINGS	SEATS BY PLANNER	
	General	Logged user: Helen.Hollick	
	User Access	Use application role	Protect this page with license password
	JOB MANAGEMENT	Drag a column header here to group by that column.	
	Job Import & Rules	Role	User Name
	MATERIALS PLANNING	Planning, Workforce and Factory Manager	Helen-Hollick
	MRP Imports & Rules	Planning, Workforce and Factory Manager	Specify user's domain name here
	FINITE CAPACITY SCHEDULING	Planning, Workforce and Factory Manager	Specify user's domain name here
	Designer	Planning, Workforce and Factory Manager	Specify user's domain name here
	Planning Interval	Planning, Workforce and Factory Manager Planning, Workforce and Factory Manager	Specify user's domain name here Specify user's domain name here
	Scheduling & Routing Rules	Planning, Workforce and Factory Manager	Specify user's domain name here
	Tracking	Planning, Workforce and Factory Manager	Specify user's domain name here
	hacking	Planning, Workforce and Factory Manager	Specify user's domain name here
		Planning, Workforce and Factory Manager	Specify user's domain name here
		Planning, Workforce and Factory Manager	Specify user's domain name here
		Planning, Workforce and Factory Manager	Specify user's domain name here
		Planning, Workforce and Factory Manager	Specify user's domain name here
		Dianning Workforce and Factory Manager	Snarify usar's domain name hara
R	eset settings Reset layout Load	Save Quick save	OK Cancel

- 8. Enter the names of the **Windows Users** that will access **Visual APS for SYSPRO**. (Do not enter the domain prefix).
- 9. Click on the option to Use the Application Role Object.
- Click **OK** when all users have been entered. You are returned to the **Home** page.
- 11. The next step in the configuration is to import **Machines**. Click on the **Home** menu and then **Import**.



12. Select the option to **Import Machines**. Select **Import** and then **Import Machines**.

The *Import Machines* window is displayed.

Import Machines	_ = X
Infinite Resource	
Resources	
Resource Type:	Machines - Machine Hours 💌
Default Resource Qty:	1
Float Resource Usage:	
Float Resource Usage Type:	All
Float Discrete Resource Usage:	
Min Resource Consumption:	0
Max Resource Consumption:	0
Recommended Load Level(%):	100
Split Task Consumption (Min)	00:00
Split Task Interruption (Max)	00:00
Shifts	
Shift: Default - Default Shift	•
Edit Defaul	t Shift Changes
	Ok Cancel

- 13. Set the resource type to Machine Machine Hours.
- Select Ok to display a list of Machines that are ready for importing.The Import Machines window is displayed.

Drag a column heade	er here to group by that column.	
Work Center	Description	Select
+ MBBA	Bicycle Brake Assembly	1
+ MBCC	Bicycle Cleaning Center	V
+ MBFA	Bicycle Assembly	1
 MBQA 	Quality & Inspection	1
+ MBWA	Bicycle Wheel Assembly	1
 MHBA 	Handle Bar Assembly	1
+ MIX	Mixing	1
+ N-CAST	Casting - North	1
• N-DRY	Drying - North	1
N-FIRE	Fire - North	J
 N-GLZ 	Glazing - North	1
+ N-MIX	Mixing - North	J
 N-PREP 	Preparing for painting	く
± OVEN	Oven	ノ
PAINT	Spray Painting	く
PASSEM	P & C Assembly	く
+ PCOMM	P & C Commission	く
PELEC	P & C Electrical	1
+ PFAB	P & C Fabrication	く
PIMLD	Plastic Injection Mould	J
+ PINSP	P & C Inspection	1
PLMD	Plastic Molding	1
+ PREP	Preparing for painting	1
PRESS	Press	1
+ PRND	Project Research & De	1
TLCC	Tube Laser Cutting Cen	1
 UCUT 	MYS Cutting Work Cen	1
± UQC	MYS QC Work Center	1
WELD	Welding	1
X-ASSY	Assembly	1
* X-HPTG	Hand Painting	1
* X-PIML	Molding	く
* X-PNTG	Painting	1
* X-CURE	Curing Oven	1

ONOTE: You must import at least one Machine during the installation process.

Note: You must install LYNQ aps on all other user's computers by using the **Product Updater.** Once installed you will need to create a new database connection on each computer. For each

15. Tick the machines you want to import and select **Ok**.

C



LYNQ aps user, create a windows or SQL login (or use Windows Groups) and update their respective **Login user** mapping settings in **SQL Management Studio** so that the public role for the SYSPRO ERP database is enabled. This will allow the application role setting on the connection screen to work correctly.

Installing LYNQ mom

The following steps describe how to install LYNQ mom.

- 1. From the **Server** where IIS (Internet Information Services) is installed, right click on the **Product Updater** file and select **Run as administrator**.
- 2. Locate the product LYNQ mom.
- 3. Select an installation path by clicking on the folder button.

The Select Installation Folder window is displayed.

Select Installation Folder	
	_ ~
C:\SYSPRO\LYNQ\LYNQ mom	
Ok	Cancel

- 4. Accept the default path or change the path and then select **Ok**. Change the path to C:\SYSPRO\LYNQ\LYNQ aps. Select Ok.
- 5. Click Install

The Select Version window is displayed.

Version						
uct	Release	Build	Revision	Created	Comments	
Q mom	2019 R1	4.0.0.0		18 July 2019		
Q mom	2016 R2 SP1	3.36.12.0		19 June 2019		
Q mom	2016 R2 SP1	3.36.11.0		22 May 2019		
Q mom	2016 R2 SP1	3.36.10.0		09 May 2019		
	0046 00 604	22600		44.4.1.0040		•
					Ok	Close
	uct 2 mom 2 mom 2 mom 2 mom 2 mom	uetRelease2 mom2019 R12 mom2016 R2 SP12 mom2016 R2 SP12 mom2016 R2 SP12 mom2016 R2 SP1	Release Build 2 mom 2019 R1 4.0.0.0 2 mom 2016 R2 SP1 3.36.12.0 2 mom 2016 R2 SP1 3.36.11.0 2 mom 2016 R2 SP1 3.36.10.0	Release Build Revision 2 mom 2019 R1 4.0.0.0 2 mom 2016 R2 SP1 3.36.12.0 2 mom 2016 R2 SP1 3.36.11.0 2 mom 2016 R2 SP1 3.36.11.0 2 mom 2016 R2 SP1 3.36.10.0	Release Build Revision Created 2 mom 2019 R1 4.0.0.0 18 July 2019 2 mom 2016 R2 SP1 3.36.12.0 19 June 2019 2 mom 2016 R2 SP1 3.36.11.0 22 May 2019 2 mom 2016 R2 SP1 3.36.10.0 09 May 2019	Release Build Revision Created Comments 2 mom 2019 R1 4.0.00 18 July 2019 19 June 2019 2 mom 2016 R2 SP1 3.36.12.0 19 June 2019 19 June 2019 2 mom 2016 R2 SP1 3.36.11.0 22 May 2019 19 June 2019 2 mom 2016 R2 SP1 3.36.10.0 09 May 2019 10 June 2019

- 6. From the product version drop down list, select the latest version and click on **OK**.
- 7. During the installation, you will be presented with the **LYNQ mom Configurator** screen. Enter the following details to configure a new instance of LYNQ mom.

Administrators: Separate multiple administrators with the (;) semi colon character. Administrators have full rights to the application.

Changing Administrators: You can easily change LYNQ mom administrators at a later date by entering the Settings page in LYNQ mom. You must be logged in as an administrator to do this.

ite Configuration	Server		Database	SQL User	Password	Create Database	Create Use
)isplay Name	ERP						
Manufacturing Operation	(local)		SysproEdu1	syspromes	•••••		
ite Name	MOM Data						
мом	(local)	Copy above	MOM EDU1 Data	syspromes	•••••		
Port Number	MOM Config						
80 ~	(local)	Copy above	MOM EDU1 Config	syspromes	•••••		
	MOM Logic						
	(local)	Copy above	MOM EDU1 Logic	syspromes	•••••	7	
	MOM Factory Automati	ion					
	(local)	Copy above	IOM EDU1 Automation	syspromes	•••••	✓	
	Use MOM Statistics	Cache					
	(local)	Copy from Data	MOM EDU1 Live	syspromes		v	
	Cache Period Days						
	30						
	- William Martin						
	Datasource Type			Administrators	(separator *;*)		
YNQ	SYSPRO with Planning		~	Helen.Hollick			Add current

Configuration	Value	Example
Display Name	Your company Name	Company EDU1
Site Name	Web Ste Name	MOM_EDU1
Server	SQL Server	(local)
Database	Database Name	SysproEdu1
SQL User	SQL User Name	syspromes
Password	SQL User Password	Syspromes123
Create Database	Creates User Mapping	Yes for all <u>except</u> ERP DB
Create User	Creates User Login	Yes if the user doesn't exist
DataSource	SYSPRO with Planning	SYSPRO with Planning
Administrators	Windows User Names	Admin1;Admin2;Admin3

- 8. Click on **OK** to accept the configuration installation.
- 9. Once installed you can connect to the LYNQ mom site in the browser. http://servername:port/sitename

Configuring SYSPRO MOM

The following steps describe how to configure SYSPRO MOM for the first time.

1. Once LYNQ mom has loaded you will see the start-up configuration screen and a start-up configuration record should be available for loading.

Start Up Configurator: The Start-Up Configurator provides you with the minimal steps you must complete to be able to fully access LYNQ mom. All configuration of the application is completed in **Advanced Settings**. It's unlikely you will need to go into **Advanced Settings** when you are just installing the software.

On First Use: The first time you open LYNQ mom, a number of SQL objects are created in the SYSPRO database and in the LYNQ mom databases. This only happens on first use and you must ensure that the user opening LYNQ mom is a SQL SysAdmin user or with equivalent security rights to create Tables, Views, Stored Procedures and Functions.

👌 Start-up Configuration	× +											-	ø ×	
← → C ☆ 0	localhost/MOM/	MenuPages/Administration/Sti	artConfigurator.a	spx?pt=0							0, 7	G	6	
	Manufactu	uring Operations Ma	anagement					Message Center	Issue Log	Document Library	Personal Settings	Settin	gs Help	
HOME PLANNING	WORKFORCE	FACTORY									PRINT EM	AIL I	BOOKMARH	
Start-up Configu	Iration													
PROFILES GROUPS SAVE CURRENT LOA	AD SELECTED	APPEND FROM SELECTED	EDIT	DELETE	EXPORT TO FILE	IMPORT FROM FILE	DOWNLOAD PROFILE SUMMARY							
Drag a column header her	re to group by th	at column												
	Name						Description							
	2019 R1						T Build 4.0						•	
	2017/01						D01(0 4.0							

- 2. Tick the checkbox in the row value and select LOAD SELECTED.
- 3. Click **OK**.
- 4. Click on the **Seats** Tab.

SYSPRO [®] Man	ufacturing Operations Management			Message Center Issue Log [Document Library Personal Settings Settings Help
HOME PLANNING WORK	FORCE FACTORY				PRINT EMAIL BOOKMARK
Start-up Configuratio	n				
PROFILES GROUPS S	SEATS				
Manual resources Automated devices	0/300				Users Employees Equipment
NEW EDIT	DELETE IMPORT ACTIVATE DEACTIV	ATE			EXPORT FILTERS
Category	Name	Workbench ID	Source	Seat type	Active?
	*	*	*	*	¥
There is no data to display					

5. Click Import.

6. Click **Import Employees**.

Start-up Configuration	× +		- 0
← → C ☆ ③	localhost/MOM/MenuPages/Administration/StartConfigurator.aspx?pt=0&stb=	54	ର୍ 🖈 👩 🕥
Employees			
List Group			
=	Employee ID	Employee	
		*	
1	110	Dan Fisherman	
1	102	Dean Cook	
1	103	Donald McLain	
1	105	Jacob Stottman	
1	4	James Francis	
1	1	Jane Smith	
1	108	Jill Freeman	
1	10	Justin Franks	
1	3	Lisa Denton	
1	107	Loran Launham	
1	106	Maria Wilson	
1	101	Mike Thompson	
1	2	Paul Best	
1	104	Richard Neil	
1	11	Sandy Cornfield	
	109	Sarah Warner	

7. Select the **Employees** from SYSPRO that will be used for data collection purposes. Select **All**.

- 8. Click OK.
- 9. Click **Import Equipment**.
- 10. Select the Machines that need to be imported to SYSPRO mom
- 11. Click **OK**.
- 12. Select ALL imported resources and click Activate.

ថ្នំខ្ល	(SPRO Manufacturing Operat	tions Management		Mess	sage Center Issue Log Document Library P	Personal Settings Settings Help
HOME	PLANNING WORKFORCE FACTORY					PRINT EMAIL BOOKMARK
Start-	up Configuration					
PROFIL	ES GROUPS SEATS					
	Jal resources 17 / 300 mated devices 0 / 30				Users	Employees Equipment
NE	W EDIT DELETE IMPORT	ACTIVATE DEACTIVATE				EXPORT FILTERS
=	Category	Name	Workbench ID	Source	Seat type	Active?
				•	•	•
	Employee	Dan Fisherman	110	ERP	Manual	Active - Manual Resource
	Employee	Dean Cook	102	ERP	Manual	Active - Manual Resource
	Employee	Donald McLain	103	ERP	Manual	Active - Manual Resource
8	Employee	Jacob Stottman	105	ERP	Manual	Active - Manual Resource
	Employee	James Francis	4	ERP	Manual	Active - Manual Resource
	Employee	Jane Smith	1	ERP	Manual	Active - Manual Resource
	Employee	Jill Freeman	108	ERP	Manual	Active - Manual Resource
	Employee	Justin Franks	10	ERP	Manual	Active - Manual Resource
	Employee	Lisa Denton	3	ERP	Manual	Active - Manual Resource
	Employee	Loran Launham	107	ERP	Manual	Active - Manual Resource
	Employee	Maria Wilson	106	ERP	Manual	Active - Manual Resource
	Employee	Mike Thompson	101	ERP	Manual	Active - Manual Resource
	Employee	Paul Best	2	ERP	Manual	Active - Manual Resource
	Employee	Richard Neil	104	ERP	Manual	Active - Manual Resource
	Employee	Sandy Cornfield	11	ERP	Manual	Active - Manual Resource
	Employee	Sarah Warner	109	ERP	Manual	Active - Manual Resource
	Equipment	ABC_AS / ABC_AS	M_1	ERP	Manual	Active - Manual Resource

- 13. Now go to Workforce, Workbench.
- 14. Select the Advanced Terminal.
- 15. Enter one of the employee codes that you have imported in step 7. Enter *110* as the **Employee** code.
- 16. Click Login.
- 17. If you have managed to setup resources correctly you should see a start day option.



Installing SYSPRO api

The following steps describe how to install SYSPRO api.

1. From the Server where IIS (Internet Information Services) is installed, right click on the **Product Updater.exe** file and select **Run as administrator**.

On First Use: The first time you open SYSPRO api, a number of SQL objects are created in the SYSPRO database and in the LYNQ api databases. This only happens on first use and you must ensure that the user opening SYSPRO api is a SQL SysAdmin user or with equivalent security rights to create Tables, Views, Stored Procedures and Functions.

Administrators: Separate multiple administrators with the (;) semi colon character. Administrators have full rights to the application.

Changing Administrators: You can easily change LYNQ api administrators at a later date by entering the Roles Administration page in LYNQ api. You must be logged in as an administrator to do

- 2. Locate the product **LYNQ api**.
- 3. Select an installation path by clicking on the folder button and **Ok** to continue.

It is recommended to use a path of C:\SYSPRO\LYNQ\LYNQ api. This way software relating to the SYSPRO install is in the same area.



- 4. Click Install.
- 5. From the product version drop down list, select the latest version and click on **OK**.

Select Version						
Product	Release	Build	Revision	Created	Comments	
LYNQ api	2019 R1	6.0.0.0		23 July 2019		<u></u>
LYNQ api	2016 R2 SP1	5.20.3.0		19 June 2019		
LYNQ api	2016 R2 SP1	5.20.2.0	1	04 February 2019		
LYNQ api	2016 R2 SP1	5.20.2.0		30 January 2019		
0.000	0046 00 604	50000		10.11 1 2010		
					Ok	Close

6. In a few minutes the configurator window will appear.

Internet Informa	tion Services (IIS)	Application Pool Recyling
Version	10.0	Shutdown Time Limit (seconds) 300 🚖
Site Name	lynqapi	Regular Time Interval (minutes) 🗹 1740 🖨
Port		Specific Recycle Time
Database Confi	iguration	Site Configuration
Server	helenho	Last Connections Count
Database		Administrator (separator ";") helen hollick
Login]
Password]
Create Database		_
Create User		

7. Enter the correct values using the image and table below as a guide.

LYNQ api configurator		- 🗆 X
Internet Information S	Services (IIS)	Application Pool Recyling
Version	10.0	Shutdown Time Limit (seconds) 300 🜩
Site Name	lynqapi	Regular Time Interval (minutes)
Port	80 ~	Specific Recycle Time 01:00
Database Configura	tion	Site Configuration
Server	helenho	Last Connections Count
Database	LYNQapi	Administrator (separator ";") helen.hollick
Login	syspromes	
Password	•••••	
Create Database	\checkmark	
Create User		
		Run site OK Cancel

- 8. Click OK.
- 9. To complete install of LYNQ api move on to **Configuring SYSPRO api**.

Configuring LYNQ api

The following steps describe how to configure LYNQ api.



You can load the LYNQapi site by typing http://servername:port/sitename .



Note: If you installed the site on port 80 you do not need to specify the port in the URL.

Connect to the LYNQ api site. 1. Type in http://localhost/lynqapi

The LYNQ Licencing test window is displayed.

LYI	٩Q		INSTANCE NOT SELECTED
Licensing	Licensing test		
	Customer		* Customer name is used for license verification, you should have received this information from software vendor on licence purchase step
	Domain	NTDOMAIN	* Domain name is used for license verification, you submited this information to software vendor on licence purchase step
	Get License O	nline or	Update License file manualy
	License ID		
	Expiration		
	Market		
	Release	2019 R1	
	Build	6.0.0.0	
	Roles		
		Users	
	Buy new Lice	nse	

2. Enter your Customer name and select Get Licence Online.

The *Licensing* window is updated with your licensing information.

				INSTANCE NOT SELECTED
Instance Settings	Licensing test			
Parameter Settings User Settings Licensing	Customer Domain	NFS Syspro SA MOM NTDOMAIN	* Customer name is used for license verification, you should have received this information from software vendor on licence purchase step * Domain name is used for license verification, you submitted this information to software vendor on licence purchase step	
Roles Administration	Get License Onlin	ne or	Update License file manualy	
Modules	License ID	2145		
	License Password	92786864-a9f3-4e19-9a6c-b0e779275beb		
	Expiration	01/01/2021		
	Market	SYSPRO		
	Release	2019 R1		
	Build	6.0.0.0		
	Roles			
		Users 300		
	Buy new License	e		

3. Click on Instance Settings.

The Instances Management information is displayed.

🔕 LYNQ api	×	+				- 🗆 X	
\leftrightarrow \rightarrow G \heartsuit	localhost/h	🖸 localhost/lynqapi/Settings/Instances.aspx 🔍 🕁 🧕 🌘					
						INSTANCE NOT SELECTED	
Instance Settings	Instances Manag						
Parameter Settings	New Edit	Delete					
User Settings	Name		Description	Server	Database		
Licensing		۲	•		٩	۲	
Roles Administration	n						
Modules	No data to display						

4. Click on New.

The **Create Instance** information is displayed.

). 5	
Instance Settings	Create Instance	
Parameter Settings	General	
User Settings	Name	
Licensing	Description	
Roles Administration Modules	Database Configuration	
modules	Server	•
	Authentication	SQL Server Authentication +
	User ID	syspromes
	Password	
	Create new database	
	Database	· · ·
	Save Cancel	

Instance Configuration	Value	
Name	Name of your SYSPRO Company	
Description	Description of your SYSPRO Company (optional)	
Server	SQL Server	
Authentication	SQL Server Authentication	
SQL User	SQL User Name (as created earlier)	
Password	SQL User Password	
Create New Database	No	
Database	Your SYSPRO Database	

5. Enter the required information and select **Save**.

The **Create Instance** window is displayed showing the fields populated with information for our training environment.



Instance Settings	Create Instance	
Parameter Settings	General	
User Settings	Name	МОМ
Licensing	Description	MOM Training
Roles Administration	Database Configuration	
Modules	Server	(local) •
	Authentication	SQL Server Authentication -
	User ID	syspromes
	Password	
	Create new database	
	Database	SysproEdu1 -
	Save Cancel	

Select Save. 6.

The localhost says - Do you want to open created instance settings? window is displayed.



7. Select **OK** to open the Instance.

Instance Settings	Import Items		(as of all of the second se
Entity Settings		Browse	
Parameter Settings	Select All	Name of Source	Detail
Menu Builder		No data to dis	play
User Settings			
Entity User Groups Settings			
Export Items	Import Selected Elements		
Import Items			
Licensing			
Roles Administration			
Global Settings			
Modules			
API Settings			

- 8. Click on **Browse**.
- 9. Select the C:\SYSPRO\LYNQ\LYNQ api\Profiles.
- 10. Select the LYNQ profile for SYSPRO.xml file.

11. Click Open.

The Import Items information is displayed.

			MOM TRAINING (LOCAL)/SYSPROEDU1
Instance Settings	Import Item		
Entity Settings		Browse	
Parameter Settings	Select All	Name of Source	Detail
Menu Builder		Import Database Table or View Entities	C
User Settings		Import File Attachments Entities	Ľ
Entity User Groups Settings		Import Link Attachments Entities	C
Export Items		Import Note Attachments Entities	Ľ
		Import Relations	Ľ
Import Items		Import Menu Builder	Ľ
Licensing			
Roles Administration	Import Sele	cted Elements	
Global Settings			
Modules			
Modules			

- 12. Click Select All.
- 13. Click Import Selected Elements Items.
- 14. Click on the **Instance** Icon.

The Select Instance window is displayed.

Select Instance				
Name	Description	Server	Database	
MOM	MOM Training	(local)	SysproEdu1	
Select				

- 15. Select the instance and click **Select**.
- 16. Click on **API Settings**.
- 17. Click New.

The **Create** window is displayed.

Create				x
	API provider	LYNQ mom to Syspro	•	
	OK	Cancel		

18. Accept the **API provider** and click on **OK** to continue.

The **API Settings** window is displayed.

Instance Settings	API Setting					(2004	2)010110200
Entity Settings	New	Edit Delete					
Parameter Settings		API Provider	Description	State			
Menu Builder	•	LYNQ mom to Syspro	LYNQ mom to Syspro Upload API	Idle	Settings	Execute	Get Log
User Settings							
Entity User Groups Settings							
Export Items							
Import Items							
Licensing							
Roles Administration							
Global Settings							
Modules							
API Settings							

Double click on the API Provider to edit settings.
 Enter the correct values using the image and table below as a guide:

Simplifying your success							
HOME PLANNING W	ORKFORCE FACTORY						
Settings	NT						
SAVE RESTAR							
General Settings Company name Manufacturing Operations Managem			Email Settings From example@example.com				
Company name Manufacturing Operations Managen Add ERP database name Localization English (United States) Language English US Edit Import Administrator(s) Helen.Hollick		igen	Alias				
			Server	example@example.com SMTP Server SMTP Server Email User Account Email Account Password			
		Ŧ	Port				
		•	Account				
		t	Password				
			Enable SSL	Test	Connection		
Admin e-mail	example@example.com		* test message will be sent				
Database Cattings		Comun	Databasa	COL 11	Descurrent		
Database Settings Source	SYSPRO with Planning	Server (local)	Database SysproEdu1	SQL User syspromes	Password		
Data	Please select	(local)	MOM_EDU1_Data	syspromes			
Config	Please select 👻	(local)	MOM_EDU1_Config	syspromes			
Logic	Please select 🔹	(local)	MOM_EDU1_Logic	syspromes			
Automation	5		MOM_EDU1_Automation	syspromes			
Cache			MOM_EDU1_Data_Live	syspromes			
Instance Map Entities Map Pa	rameters Integration	¥					
ntegration Settin	ngs		Value				
Services Settings			Settings for SYS	Settings for SYSPRO API			
General Settings			As required	As required			
ERP to MOM Set	tings		Settings for LYNC	Settings for LYNQ mom			
Transaction Types	;		Select Transactio	Select Transaction Types to post to SYSPRO			
Operation Quantit	y Settings		Select if a Job Re	Select if a Job Receipts are allowed			
Job Receipt Settir	ngs		As required	As required			
Scrap Settings			Select default scr	Select default scrap settings			
Status Settings			Select status cha	Select status change settings			
				Select whether NON Productive time is enabled			

Select default Equipment Time Setting

Equipment Time Settings

- 20. In the **integration** settings section enter the address for your LYNQ api instance (i.e. http://servername:port/lynqapi in the host field. Enter http://servername:port/lynqapi.services in the services field.
- 21. Click on Test and then select the instance for SYSPRO.

The Manufacturing Operations Management page is displayed.

OME PLANNING V	VORKFORCE FACTORY				
ettings					
SAVE RESTA	ART				
General Settings			Email Settings		
Company name	Manufacturing Operations Man	agem	From	example@example.com	1
Add ERP database			Alias	example@example.com	1
name			Server	SMTP Server	
Localization	English (United States)	-	Port	Port SMTP Server Port	
Language	English US	-	Account	Email User Account	
	Edit Import		Password	Email Account Password	d
Administrator(s)	Helen.Hollick		Enable SSL	Test C	Connection
Admin e-mail	example@example.com	example@example.com			
Database Settings		Server	Database	SQL User	Password
		00	Common Enderff	syspromes	
Source	SYSPRO with Planning -	(local)	SysproEdu1	syspromes	
Source Data	SYSPRO with Planning • Please select •	(local)	MOM_EDU1_Data	syspromes	
Data	Please select	(local)	MOM_EDU1_Data	syspromes	
Data Config	Please select • Please select •	(local) (local)	MOM_EDU1_Data	syspromes syspromes	
Data Config Logic	Please select • Please select • Please select •	(local) (local) (local)	MOM_EDU1_Data MOM_EDU1_Config MOM_EDU1_Logic	syspromes syspromes syspromes	
Data Config Logic Automation	Please select • Please select • Please select • Please select • Ø 30 Jage Please	(local) (local) (local) (local)	MOM_EDU1_Data MOM_EDU1_Config MOM_EDU1_Logic MOM_EDU1_Automation	syspromes syspromes syspromes syspromes syspromes	
Data Config Logic Automation Cache	Please select • Please select • Please select • Please select • Ø 30 Jage Please	(local) (local) (local) (local)	MOM_EDU1_Data MOM_EDU1_Config MOM_EDU1_Logic MOM_EDU1_Automation	syspromes syspromes syspromes syspromes syspromes	
Data Config Logic Automation Cache Successfully connected	Please select • Please select • Please select • Please select • Ø 30 Jage Please	(local) (local) (local) (local)	MOM_EDU1_Data MOM_EDU1_Config MOM_EDU1_Logic MOM_EDU1_Automation	syspromes syspromes syspromes syspromes syspromes	
Data Config Logic Automation Cache Successfully connected LYNQ api Settings	Please select ▼ Please select ▼ Please select ▼ Please select ▼ 図 30 ↓ days Please ▼	(local) (local) (local) (local) (local)	MOM_EDU1_Data MOM_EDU1_Config MOM_EDU1_Logic MOM_EDU1_Automation	syspromes syspromes syspromes syspromes syspromes	

22. Select Save to Restart the Site.



23. You can easily test the integration from LYNQ api by clicking on Execute from the API Setting Menu. Use the Get Log option to test your service settings are correct.

SYSPRO	101.0				SYSPRO COMPANY EL LOCALHOST\SYSPROEL	
istance Settings ntity Settings	API Settings New East Delete					
arameter Settings		API Provider	Description	State		
lenu Builder ser Settings	+	LYNQ mom to Syspro	LYNQ mom to Syspro Upload API	Idle	Settings Execute Get Log	
ntity User Groups Setting	IS					
xport Items						
nport Items						
icensing						
oles Administration lobal Settings						

SYSPRO"

6

LYNQ mom to Syspro

Refresh | Delete | Clear All

	Details	Created Date •	Item 🔻	Operation	Ψ	Туре	Ŷ	Error Message
		- · · ·	٣		۴		۴	
	Details	15/08/2019 17:03	Upload LYNQmom	LYNQ mom to Syspro				Uploading process has been finished successfully
	Details	15/08/2019 17:03	Upload LYNQmom	LYNQ mom to Syspro				Uploading process has been finished successfully
	Details	15/08/2019 17:00	Upload LYNQmom	LYNQ mom to Syspro				Uploading process has been finished successfully
	Details	15/08/2019 16:56	Upload LYNQmom	LYNQ mom to Syspro				Uploading process has been finished successfully
	Details	15/08/2019 16:52	Upload LYNQmom	LYNQ mom to Syspro				Uploading process has been finished successfully
	Details	15/08/2019 16:49	Upload LYNQmom	LYNQ mom to Syspro				Uploading process has been finished successfully
	Details	15/08/2019 16:44	Upload LYNQmom	LYNQ mom to Syspro				Uploading process has been finished successfully
	Details	15/08/2019 16:39	Upload LYNQmom	LYNQ mom to Syspro				Uploading process has been finished successfully
	Details	15/08/2019 16:35	Upload LYNQmom	LYNQ mom to Syspro				Uploading process has been finished successfully
Firs	st Prev	Page 1 of	f 1 Next Last	Showing 1 -	9 ite	ms of 9		

Upgrading LYNQ

The following step describe how to upgrade LYNQ.

- You must use the Product Updater to upgrade the components of LYNQ. You must run the Product Updater on the computer or server where LYNQ is installed. Before upgrading any of the components of LYNQ, it's best to ensure all users are clocked out. You can temporarily stop the LYNQ application pools in Internet Information Services to prevent users from clocking into LYNQ whilst the upgrade is being performed.
- 2. Right click on the LYNQ Product Updater file and select Run as administrator.
- 3. Enter your LYNQ License Name.
- 4. Accept the License Agreement.
- 5. Locate the product that you want to update.
- 6. Click on Update.
- 7. If presented with a configurator screen you can ignore and click **cancel**.
- 8. Open the product once the upgrade is complete to finalize the upgrade.

Note: When upgrading LYNQ aps, LYNQ tables will be updated in the SYSPRO ERP Database with the version number that has been installed. You must upgrade all other computers and servers running LYNQ aps after upgrade. Failure to do so will result in a version mismatch error.

Uninstalling LYNQ

The following steps describe how to uninstall LYNQ

- 1. You must use the Product Updater to uninstall the components of LYNQ. You must run the Product Updater on the computer or server where LYNQ is installed.
- 2. Right click on the LYNQ Product Updater file and select Run as administrator.
- 3. Enter your LYNQ License Name.
- 4. Accept the License Agreement.
- 5. Locate the product that you want to uninstall
- 6. Click on Remove

Note: When removing LYNQ applications, database files associated with the applications are not deleted automatically. You must delete these manually using the SQL Management Studio if you want to remove these