Installing MOM

Training Guide | Manufacturing Operations Management 2020

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How to use this guide

The following instructions explain how to install all the components of SYSPRO MOM 2019 R1. Prior to commencing the installation, you must ensure that the specification of servers, clients and data collection devices (Web Clients) where MOM will be deployed to, meet the minimum requirements as detailed in the **System Requirements** document.

During the installation of SYSPRO MOM you will be requested for the following information. To prepare for the installation, it is recommended that you have the following information to hand.



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.

| Requested Information | Notes |
|--|-------|
| LYNQ License Name | |
| Web Server Name | |
| ERP Database Name or ERP Staging Database Name | |
| LYNQ Administrator Name(s) | |

SYSPRO MOM Licensing Server

SYSPRO MOM provide 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 SYSPRO MOM. When entering your license name the installer will validate your license against the SYPSRO MOM licensing server.

SYSPRO MOM 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 SYSPRO MOM.

Important information

MOM comprises of the following components

| Component Name | Description |
|----------------|---|
| LYNQ mom | Web application installed on IIS (installed to default website) |
| LYNQ aps | Desktop application installed locally or on an application server |
| LYNQ api | Web application installed on IIS (Installed to default website |

The installation of MOM 2020 is managed through the **Product Updater**. The Product Updater must be run manually on the web server to install the web components and from all desktop computers to install the MOM APS component. Unattended installs and deployment of MOM APS via group policy is not currently supported in this version.

Note: The Product Updater must be used to install, upgrade, repair and remove versions of MOM.

Periodically, improvements are made to the **Product Updater** and you may be requested to download a new version of this file. Please note that the upgrades available for MOM are not dependent on the version of the **Product Updater** you are running. Therefore, if you download **Product Updater version 3.10.0**, you will be able to install the same upgrades with **Product Updater version 3.15.0**.

Type the following URL: https://support.lynqmes.com/en-US/Download/ to download the **Product Updater Download** file.

Note: If there are any firewall rules blocking access to **port 80/443** on the web server and **port 1433** on the database server these will need to be reviewed and opened accordingly. If you are using other bindings in IIS or using SQL on a non-default port you must ensure these ports are opened for the users of MOM.

| Server | Port No. | Open To |
|-----------------|-----------------------------|---|
| Web Server | 80 for HTTP, 443 for HTTPS | Database Server/LYNQ aps Desktop computers/Data Collection Devices. |
| Database Server | 1433 (SQL Default Instance) | Web Server and LYNQ aps Desktop computers |

Note: 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

| Select one or more roles to install on the selected server. Roles | Description |
|---|--|
| Remote Access | Common HTTP Features supports basic HTTP functionality, such as delivering standard file formats and |
| Vellote Desktop Services Volume Activation Services Web Server (IIS) (25 of 43 installed) Web Server (18 of 34 installed) Default Document (Installed) Directory Browsing (Installed) Directory Browsing (Installed) HTTP Errors (Installed) Static Content (Installed) Static Content (Installed) HTTP Redirection WebAV 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. |
| | Print and Document Services Remote Access Remote Desktop Services Volume Activation Services Web Server (IIS) (25 of 43 installed) Web Server (IIS of 34 installed) Objectory Browsing (Installed) Directory Browsing (Installed) HTTP 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 |







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

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

| Add Roles and Features Wizard | | – 🗆 X |
|--|--|--|
| Add Roles and Features Wizard Select features Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results | Select one or more features to install on the selected server. Features | Lestination Server XBERPV11VM Description Windows Communication Foundation (WCF) Activation uses Windows Process Activation Service to invoke applications remotely over the network by using protocols such as HTTP, Message Queuing, TCP, and named pipes. Consequently, applications can start and stop dynamically in response to incoming work items, resulting in application hosting that is more robust, manageable, and efficient. |
| | Enhanced Storage ✓ | |
| | | |
| | < Previous Next > | Install Cancel |

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

LYNQ mom and LYNQ api require Microsoft.Net Framework 4.8 to be installed on the **Internet Information Services Server**. The Product Updater will check whether the correct version of .Net Framework 4.8 is installed by querying the registry.

SOFTWARE\Microsoft\NET Framework Setup\NDP\v4\Full\ Key: Release

If the release value is less than 528040, the Product Updater will prompt you to download the correct version before continuing.

Alternatively, Microsoft .Net Framework 4.8 can be downloaded from

https://dotnet.microsoft.com/download/dotnet-framework

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

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.

The following instructions explain step by step how to install each component of MOM. It is important that you complete all the steps in the order listed below. If at any time you require any assistance or have any queries regarding your installation, please contact your Support Team.

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.

2. Once downloaded right click on the **Product Updater.exe** file and select **Run as administrator**.

The *Product Updater* window is displayed.

| Product Updater | Powered by LYI | NQ |
|--------------------|---|----|
| 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. | |
| 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 SOFTWARE 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 ITEMS (DISKS, WRITTEN MATERIALS, AND PACKAGING) AND DELETE ANY PRELOADED OR EMBEDDED SOFTWARE. | |
| | 1. DEFINITIONS | |
| LYNQ | | |
| Privacy Policy | Next Close | |

- 3. Enter your License Name and tab.
- 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 Folder Install | LYNQ aps | LYNQ mom Folder Install |
| LYNQ | | | |
| Privacy Policy | | | Refresh Close |

6. You are now ready to start installing MOM.

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

- LYNQ aps
- LYNQ mom and then
- LYNQ api

Installing Visual APS

The following steps describe how to install Visual 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.

- 5. Click Install.
- 6. From the product version drop down list, select the latest version and click on OK.
- 7. The installation of **LYNQ aps** will take a few minutes to complete. Once the installation has completed, place a tick next to launch **LYNQ aps**.
- 8. Clock on Close.
- 9. Once LYNQ aps has loaded, select the **Open Company** option and enter the following details to connect to the ERP Database. You must open the company with a user that has SysAdmin rights.
 - a) **Server**: Enter your name of the SQL Server where the Enterprise Resource Planning Database resides.
 - b) Authentication: Windows Authentication or SQL
 - c) **Company**: Set the company name to the correct Enterprise Resource Planning Database.
- 10. If you receive a message that the **Licence Key** is invalid, please click on **OK** and enter the licence name as provided, followed by **Get Licence Online**.
- 11. From the user access screen, enter the names of the **Windows Users** that will access LYNQ aps. (Do not enter the domain prefix).
- 12. Click on the option to use the LYNQ Application Role Object.
- 13. Click **OK** when all users have been entered.
- 14. Click on the **Home** menu and select the option to **Import Work Units**. You must import at least 1 work unit during the installation process. Select a work unit and set the resource type to **Machine**. Accept all other defaults.
- 15. 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.
- 16. For each LYNQ aps user, create a windows or SQL login per user (or use Windows Groups) and update their respective Login user mapping settings in the SQL Management Studio so that the public role for the Enterprise Resource Planning Database is enabled. This will allow the application role setting on the connection screen to work correctly.

Note: On First Use: The first time you open an Enterprise Resource Planning Database with LYNQ aps, a number of SQL objects are created in the 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.

Installing 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 LYNQ Product Updater file and select Run as administrator.
- 2. Enter your LYNQ License Name.
- 3. Accept the License Agreement.
- 4. Locate the product LYNQ mom.
- 5. Select an installation path by clicking on the folder button.
- 6. Click Install.
- 7. From the product version drop down list, select the latest version and click on **OK**.
- 8. During the installation, you will be presented with the **MOM Configurator screen**. Use the table below as a guide to populate the configuration details for a new instance of LYNQ mom.

Note: Please check whether MOM requires a staging database for your Enterprise Resource Planning application by logging into the support portal and searching the knowledgebase using the keywords 'Configuring LYNQ api

- 9. When installing a new instance of MOM you must select 'Create Database' and 'Create User' for all databases except for the first row 'ERP' in the configurator screen. The row labeled ERP specifies the name of the ERP database the instance will connect to. In all cases the ERP database will already exist. The only exception is when MOM does not directly connect to the ERP database and instead, requires a staging database to store downloaded data from Enterprise Resource Planning. If this case it is safe to tick the 'Create Database' option.
- 10. When installing a new instance of MOM you must select 'Create Database' and 'Create User' for all databases except for the first row 'ERP' in the configurator screen. The row labeled ERP specifies the name of the ERP database the instance will connect to. In all cases the ERP database will already exist. The only exception is when MOM does not directly connect to the ERP database and instead, requires a staging database to store downloaded data from Enterprise Resource Planning. If this case it is safe to tick the 'Create Database' option.

| Configuration | Value | Example |
|-----------------|----------------------|----------------------------------|
| Display Name | Your company Name | Company EDU1 |
| Site Name | Web Ste Name | 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 |

- 11. Click on **OK** to accept the configuration installation.
- 12. Once installed you can connect to the LYNQ mom site in the browser. http://servername:port/sitename.
- 13. Enter your License Name and click Get License Online.

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.

Database Names: When specifying the database names for LYNQ mom, ensure that you include in the database name an identification of the Enterprise Resource Planning Database it will related to. For example, if the installation of LYNQ is for your production company, specify the database names as MOM_ProdA_Data, MOM_ProdA_Config, MOM_ProdA_Logic

Configuring 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.
- 2. Tick the checkbox in the row value and select load selected.
- 3. Click **OK**.
- 4. Click on the **Seats** Tab.
- 5. Click Import.
- 6. Click Import Employees.
- 7. Select the **Employees** from Enterprise Resource Planning that will be used for data collection purposes.
- 8. Click OK.
- 9. Click **Import**.
- 10. Click Import Equipment.
- 11. Select the work units that need to be imported to LYNQ mom.
- 12. Click OK.
- 13. Select ALL imported resources and click Activate.
- 14. Now go to Data Collection, Workbench.
- 15. Select the **Advanced Terminal**.
- 16. Enter one of the employee codes that you have imported.
- 17. Click Login.
- 18. If you have managed to setup resources correctly you should see a start day option.

Note: If using a staging database to store Enterprise Resource Planning data, you will not be able to complete steps 5 to 18 until LYNQ api has been configured. Come back to these settings once data has been downloaded.

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 associated Enterprise Resource Planning 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.

Installing LYNQ api

The following steps describe how to install LYNQ api.

- 1. From the **Server** where IIS (Internet Information Services) is installed, right click on the **Product Updater** file and select **Run as administrator**.
- 2. Enter your LYNQ License Name.
- 3. Accept the License Agreement.
- 4. Locate the product LYNQ api.
- 5. Select an installation path by clicking on the folder button.
- 6. Click Install.
- 7. From the product version drop down list, select the latest version and click on **OK**.
- 8. In a few minutes the configurator window will appear.

| LYNQ api config | urator | — |
|------------------|----------------------|---|
| Internet Informa | ation 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 Con | figuration | Site Configuration |
| Server | localhost | Last Connections Count 1 |
| Database | LYNQapi | Administrator (separator ";") administrator |
| Login | lynqmes | |
| Password | ****** | |
| Create Database | | |
| Create User | | |
| | | Run site OK Cancel |

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

| Configuration | Value | Example |
|------------------------|---|---------------|
| Site Name | Web Ste Name | Lynqapi |
| Server | SQL Server | SQLServer1 |
| Database | Database Name | Lynqapi |
| SQL User | SQL User Name | Lynqmes |
| Password | SQL User Password | Lynqmes123 |
| Create Database | Creates User Mapping | Yes |
| Create User | Creates User Login | Yes |
| Administrators | Windows User Names | Administrator |
| Shutdown Time Interval | 300 | 300 |
| Regular Time Interval | Off | Off |
| Specific Time Interval | 01:00 or when site is least operational | 01:00 |

10. Click OK.



Note: On First Use: The first time you open LYNQ api, a number of SQL objects are created in the Enterprise Resource Planning database and in the LYNQ api databases. This only happens on first use and you must ensure that the user opening LYNQ 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 this.

Configuring LYNQ api

The following steps describe how to configure LYNQ api.

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

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.
 Type in http://localhost/lynqapi

The LYNQ Licencing test window is displayed.

| LYN | 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 SELECTE | D |
|---|--|---|--|---|
| Parameter Settings Cust User Settings Dom Licensing Roles Administration Modules Licer | main Get License Online ense ID ense Password irration rket ease ld es | 2145 92786664-945-4e19-946c-boe7792750eb 01/01/2021 9X%PRO 2019 R1 6.0.0.0 Users <u>900</u> | * 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 Update License file manualy | |

3. Click on Administration and then Instance Settings.

The Instances Management information is displayed.

| 🚺 LYNQ api | | × + | | | | | |
|--|-----------------|---|-------------|--------------|----------|-------|------------|
| $\ \ \leftrightarrow \ \ \heartsuit \ \ \circlearrowright$ | () lo | calhost/lynqapi/Settings/Instances.aspx | | | | Q 🕁 G | b |
| motunee octango | Instance New | s Management | | | | | NOT SELECT |
| Parameter Settings | | | | - | | | |
| User Settings | | Name | Description | Server | Database | | |
| Licensing | | | Ŷ | ؟ | ۴ | | |
| Roles Administration Modules | | | No data t | display | | | |

4. Click on **New**.

The **Create Instance** information is displayed.

| | r. | |
|---------------------------------|------------------------|-----------------------------|
| Instance Settings | Create Instance | |
| Parameter Settings | General | |
| User Settings | Name | |
| Licensing | Description | |
| Roles Administration Modules | Database Configuration | |
| | 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 | | |
| Modules | Database Configuration | |
| moduloo | 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.

| | | | MOM TRAINING (LOCALJSYSPROEDU) |
|-----------------------------|--------------------------|----------------|-----------------------------------|
| Instance Settings | Import Items | | fee or my set to me set |
| 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**.
- Select the C:\SYSPRO\LYNQ\LYNQ api\Profiles. 9.
- 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 | 2 | | | x |
|-----------------|--------------|---------|------------|---|
| 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 | | | | × |
|--------|--------------|--------------------|---|---|
| | 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.

| SYSPRO Simplifying your Success | | | | | | | MOM TRAININ |
|------------------------------------|-------------|--------------------|-------------------------------|-------|----------|---------|--------------|
| istance Settings | API Setting | js | | | | (LOCA | L)\SYSPROEDI |
| ntity Settings | New | Edit Delete | | | | | |
| arameter Settings | | API Provider | Description | State | | | |
| lenu Builder | · . | LYNQ mom to Syspro | LYNQ mom to Syspro Upload API | Idle | Settings | Execute | Get Log |
| Iser Settings | | | | | | | |
| ntity User Groups Setting | 5 | | | | | | |
| xport Items | | | | | | | |
| mport Items | | | | | | | |
| icensing | | | | | | | |
| oles Administration | | | | | | | |
| lobal Settings | | | | | | | |
| | | | | | | | |
| odules | | | | | | | |

19. Double click on the API Provider (LYNQ mom to Syspro) to edit settings.

The *MOM to ERP Settings* window is displayed.

| | | | | | MOM TRAINING HELENHOLSYSPROEDU1 |
|--|--|--|---|---|------------------------------------|
| MOM to ERP Settings | | | | | |
| Service Settings WCF service address (URL) WCF pervice binding Operator opassword Company code Company assword Instance Longuage code Log level XML parameters Test connection General Cut Off interval Non stock product class Default UOM Defamilies count Diagnostic info | Inet to: //iocalhost.31001/SYSF Net.TCP - - | Transaction Types to process Labor time Equipment time Non productive time Operation quantity Operation scrap Operation tatus Material issue Operation Quantity Settings Job Receipt on final operation Job Receipt Settings Inspect lot traceability items Cost basis Increase sales order quantity Lot tracebility processing Serial number processing | d d d d d d d d d d d d d d d d d d d | Scrap Settings Reason code for blank values Process scrap as finished good Defaul target scrap warehouse Status to final activity only Re-open Completed Operation Job Closure on final operation Defaultion productive Default non productive Code Work centre cate Work centre rate Luse employee rates | p Mapping |
| ERP to MOM Settings Connection Settings Server Authentication User ID Password Database | Refresh SQL Server Authentication svspromes | Post Transactions Active? Interval (hh:mm) Logs saving time (days) | 1:00 10 | | |

20. Using the table and other information below enter details for the Service Settings.

| Service Settings (relates to setting for | Service Settings (relates to setting for SYSPRO API) | | | |
|--|--|--|--|--|
| WCF service address (URL) | net.tcp//localhost:31001/SYSPROWCFService/ | | | |
| WCF service binding | Net TCP | | | |
| Operator | ADMIN | | | |
| Operator Password | Leave blank | | | |
| Company code | EDU1 | | | |
| Company Password | Leave blank | | | |
| Instance | Leave blank | | | |
| Language code | Leave blank | | | |
| Log level | Leave blank | | | |
| XML parameters | Accept entry | | | |
| Test connection | Select Run | | | |
| General Settings | | | | |
| Cut Off interval | as required | | | |

| General Settings | | | | | |
|--|--|--|--|--|--|
| Non stock product class | | | | | |
| Default UOM | | | | | |
| Decimals count | | | | | |
| Diagnostic info | | | | | |
| Transaction Types (Select transaction types | to post to SYSPRO) | | | | |
| Labor time | Select the transaction types to post to SYSPRO | | | | |
| Equipment time | | | | | |
| Non productive time | | | | | |
| Operation quantity | | | | | |
| Operation scrap | | | | | |
| Operation status | | | | | |
| Material Issue | | | | | |
| Material issue | | | | | |
| Operation Quantity Settings | | | | | |
| Job Receipt on final operation | Select if Job Receipts are allowed | | | | |
| Job Receipt Settings (Select as required) | | | | | |
| Inspect lot traceability items | | | | | |
| Cost bases | Select from None, Current cost, Use WIP Value, Actual cost e Expected cost. | | | | |
| Increase sales order quantity | | | | | |
| Lot traceability processing | Select from Set lot traceability number to equal job number or Us lot traceability number specified in transaction | | | | |
| Serial number processing | Use serial number specified in transaction | | | | |
| Scrap Settings (Select default scrap setting | s) | | | | |
| Reason code for blank values | Select as required. | | | | |
| Process scrap as finished good | | | | | |
| Default target scrap warehouse | | | | | |
| | | | | | |
| Status Settings (Select status change settin | igs) | | | | |
| Post Status to final activity only | Select as required. | | | | |
| Re-open Completed Operations | | | | | |
| Job Closure on final operation | | | | | |
| Non Productive Time Settings (Select wheth | er non product time is enabled) | | | | |
| Post to work center | | | | | |
| Default non productive code (Mapping) | Map non productive codes to SYSPRO Non productive codes. | | | | |
| Work center code | | | | | |
| Work center rate | Select from 1 to 9 | | | | |
| | | | | | |
| Equipment Time Settings (Select default Equipment Time Settings) Use employee rates Select this to post labor against the employee hourly rate instead the work center labor rate. | | | | | |
| EPD to MOM Softings Concertion Softings | | | | | |
| ERP to MOM Settings Connection Settings | | | | | |
| Server | Select (local) | | | | |

| ERP to MOM Settings Connection Settings | | | | | |
|---|-----------|-----------------------|--|--|--|
| Authentication | SQL S | Server Authentication | | | |
| User ID | syspromes | | | | |
| Password | Syspr | pro123 | | | |
| Database | MOM | _EDU1_Data | | | |
| Post Transactions | | | | | |
| Active? | Tick | | | | |
| Interval (hh:mm) | 0.01 | | | | |
| Logs saving time (days) | 10 | | | | |

21. Select Save.

22. 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.

| Instance Settings | API Sett | igs | | | | LOGALHOST | STSPROEDUT | | |
|-----------------------------|-----------------|--------------------|-------------------------------|-------|----------|-----------|------------|--|--|
| Entity Settings | New Edit Delete | | | | | | | | |
| Parameter Settings | | API Provider | Description | State | | | | | |
| Menu Builder | | | | | | | Get | | |
| User Settings | · | LYNQ mom to Syspro | LYNQ mom to Syspro Upload API | Idle | Settings | Execute | Log | | |
| Entity User Groups Settings | | | | | | | | | |
| Export Items | | | | | | | | | |
| Import Items | | | | | | | | | |
| Licensing | | | | | | | | | |
| Roles Administration | | | | | | | | | |
| Global Settings | | | | | | | | | |
| Modules | | | | | | | | | |
| API Settings | | | | | | | | | |
| | | | | | | | | | |

| | Q mom to Sy | | | | | | | |
|-----|-------------|---------------------|--------------------|-----------------------|---|--------|---------------|--|
| Ref | resh Delete | Clear All | | | | | | |
| Dra | ag a column | header here to gr | oup by that column | | | | | |
| | Details | Created Date • | Item 🔻 | Operation 🔻 | | Туре 🔻 | Error Message | |
| | | - • • | 9 | | Ŷ | | Ŷ | |
| | 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 |

Integrating SYSPRO MOM to LYNQ api

The following steps describe how to integrate the LYNQ api instance to SYSPRO MOM.

You need to have installed and configured LYNQ api.

 Now that LYNQ api has been configured, open MOM and select Settings from the home page. The Settings window is displayed.

| SYSPRO I SYSPRO Edu1 Message Center Issue Log Document Library Personal Settings Help | | | | | | | | | | |
|---|---------------------------------|---------|-----------------------------|------------------------|-------------------------------|--|--|--|--|--|
| HOME PLANNING WO | RKFORCE FACTORY | | | PRINT EMAIL | BOOKMARK | | | | | |
| Settings | | | | | | | | | | |
| SAVE RESTART | | | | | | | | | | |
| General Settings | General Settings Email Settings | | | | | | | | | |
| Company name | SYSPRO Edu1 | | From | example@example.com | | | | | | |
| Add ERP database | | | Alias | example@example.com | | | | | | |
| name | | | Server | SMTP Server | | | | | | |
| Localization | English (United States) | • | Port | SMTP Server Port | | | | | | |
| Language | English US | - | Account | Email User Account | | | | | | |
| | Edit Import | | Password | Email Account Password | | | | | | |
| Administrator(s) | Helen.Hollick | | Enable SSL Test Conr | | onnection | | | | | |
| Admin e-mail | example@example.com | | * test message will be sent | L | | | | | | |
| Sandbox environment | | | | | | | | | | |
| | | | | | | | | | | |
| Database Settings | | Server | Database | SQL User | Password | | | | | |
| Source | SYSPRO with Planning 🔹 | (local) | SysproEdu1 | syspromes | | | | | | |
| Data | Data Please select 🔹 | | MOM_Data | syspromes | ••••• | | | | | |
| Config | Please select 🔹 | (local) | MOM_Config | syspromes | | | | | | |
| Logic | Please select | | MOM_Logic | syspromes | | | | | | |
| Automation Please select - | | (local) | MOM_Factory s | | •••• | | | | | |
| Cache 30 1 days Please 🔻 (local) | | (local) | MOM_Data_Live | syspromes | ••••• | | | | | |
| Successfully connected | | | | R | ecreate Views Test Connection | | | | | |
| LYNQ api Settings | | | | | | | | | | |
| Host | http:// | Open | | | | | | | | |
| Service | http:// | Test | | | | | | | | |
| Instance | | - | | | | | | | | |
| Map Entities Map Para | meters Outbound Integration |] | | | | | | | | |

2. Enter the required information for the LYNQ api Settings and then Save to continue..

In the integration settings section enter the address for your LYNQ api instance (i.e. http://servername:port/lynqapi in the host field. Select Open to load the web page.

Enter http://servername:port/lynqapi.services in the services field. Select **Test** to check if the two connected successfully.

Using the dropdown select the Instance.



3. Select **OK** to restart **Site**.

Upgrading LYNQ

The following step describe how to upgrade LYNQ.

- 1. 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.
- 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 MOM

The following steps describe how to uninstall MOM

- 1. You must use the **Product Updater** to uninstall the components of MOM. You must run the Product Updater on the computer or server where MOM 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.