LYNQ

LYNQ 2019 Upgrade Guide

Contents

What's In This Guide

This guide explains how to upgrade your software to LYNQ 2019. For compatability reasons you must upgrade all components of the application at the same time.

New components names of LYNQ 2019:

Feature	Description
LYNQ mom Web Site	Web based application for Detailed Scheduling, Dispatching, Data Collection, Tracking, Continuous Improvements and Performance Analysis.
LYNQ aps	Desktop application for Scheduling and Dispatching.
LYNQ api Web Site	Web based application used for managing the integration to your ERP application and configuring the Document Library.

The upgrade 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 where the Visual APS component is installed. Unattended installs and deployment of the Visual APS component via group policy is not currently supported in this version.

LYNQ 2019 consists of the following builds.

Feature	Description
LYNQ mom	4.0.0.0 and above
LYNQ aps	10.0.0.0 and above
LYNQ api	6.0.0.0 and above

LYNQ

Important Pre-Upgrade Information

Upgrade Order
Please upgrade LYNQ aps before upgrading LYNQ mom

It is recommended that an upgrade of a test environment is performed before upgrading your live production environment. This will allow you to estimate the actual time the upgrade will take to complete and whether the live upgrade should be scheduled outside of business hours. The time the upgrade will take to perform depends on:

- The version you are upgrading from
- How much historical data there is within the Smart Manager database(s)
- Whether you have customisations that will need to be re-applied after the upgrade.
- The number of Visual APS Desktop installations that need to be upgraded

If you are using Workforce Manager for data collection, it's likely that you will have accumulated large volumes of transactional data. It is recommended before commencing the upgrade to LYNQ 2019 that a new empty logic database is created, if the logic database appears to be exceptionally large in size. The Smart Manager instance should be mapped to the new Logic Database.

DO NOT remap the Smart Manager instance to the new logic database until everyone has clocked out of the Workbench and all transactions have been generated.

The upgrade process will create new version of these SQL Views

- All LYNQ SQL Views in the ERP database
- [Lynq_ME_IntegrationActivityView] in the Smart Manager Data Database

LYNQ 2019 **ceases** usage of these SQL views:

- [Lynq_ME_SummaryExtendedView] in the Smart Manager database
- [Lynq_ME_DailySummary] in the Smart Manager database

The SQL Views will remain in the database to prevent any potentials crashes with 3rd party customizations.

Prior to completing the upgrade that a full backup of your ERP and Smart Manager databases have been taken.

Before starting the update you MUST clock all employees and equipment out of the Workbench by selecting End Day/Turn Off. Allow 5 to 30 minutes for transactions to be generated and posted to the ERP application before commencing with the upgrade. Whilst the applications are being upgraded, please do not allow any users to logon
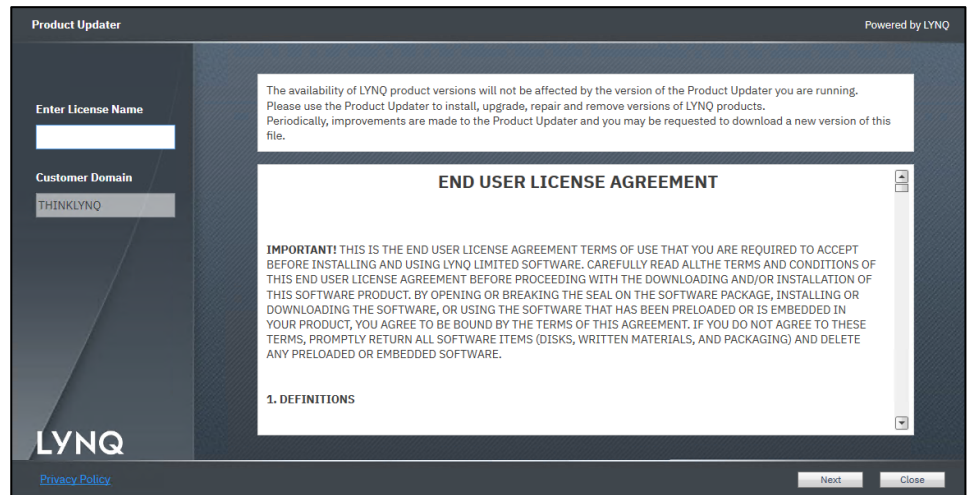
Updating the Product Updater

Copy to Network Share
Copy the Product Updater to a network share. You will need to use this program to upgrade Visual APS Desktop Clients.

The latest version of the Product Updater can be downloaded from here

You must first unzip the downloaded file and then right click on the Product Updater executable and select Run As Administrator.

The Product Updater window will be displayed.

You must know your License Name to install and upgrade to LYNQ 2019. Contact the Support Team if you are unsure of these details - support@lynqmes.com

1. Enter your License Name and scroll down to the bottom of the License Agreement to accept the terms and conditions
2. Select Next to continue

The Product Updater displays the software that you are licensed for and will detect the last installed versions of the software. If you have multiple instances installed you must change the folder path before upgrading.
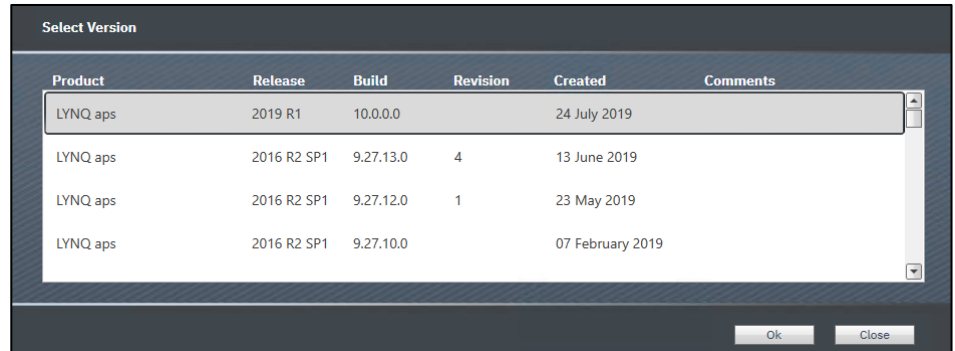
Upgrading Visual APS

SQL Rights

You must be logged in as a user that has rights to update table data and the database schema in SQL. This can be a user that is a member of either the sysadmin or db_owner role or a user with equivalent rights. LYNQ aps stores it's database objects in the ERP database.

From the Product Updater, select to update LYNQ APS

The Select Version window is displayed.

1. Select the most recent 2019 R1 Release and select OK
2. Once the update is complete Launch Visual APS
3. The DB Version Update window is displayed
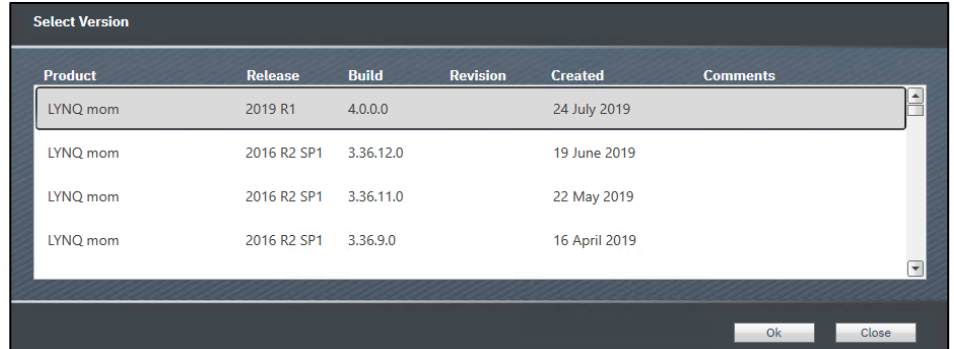4. Select Yes to Update the Database
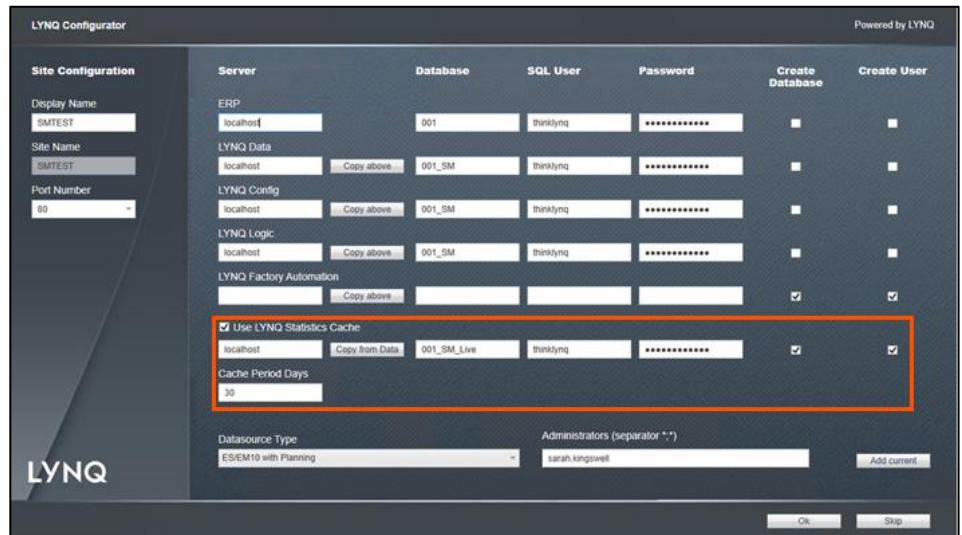
Upgrading Smart Manager

SQL Rights
You must be logged in as a user that has rights to update table data and the database schema in SQL. This can be a user that is a member of either the sysadmin or db_owner role or a user with equivalent rights. LYNQ mom stores it's database objects in the ERP and Smart Manager databases.

From the Product Updater, select to update LYNQ mom

The Select Version window is displayed.

Configurator Window

1. Select the most recent 2019 R1 Release and select OK
2. The Configurator window is displayed
3. Select the option to Use LYNQ Statistics Cache if the row does not show any settings
4. Select Copy from Data
5. Select Create Database and Create User
6. Select OK
7. Once the update is complete open the LYNQ mom Website
   The first time the site is run you will be prompted to update the database
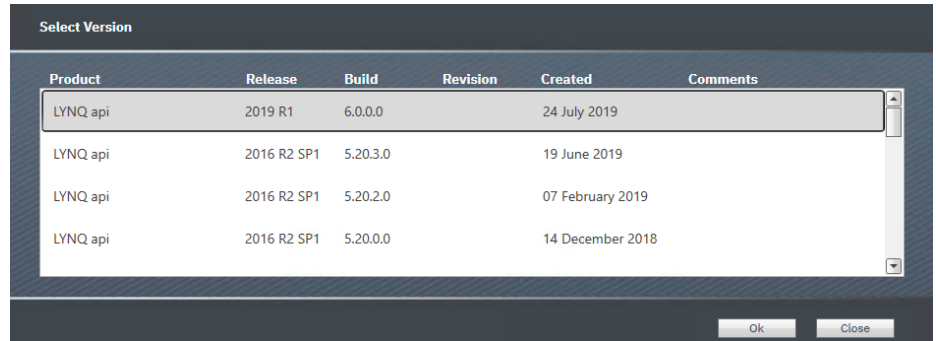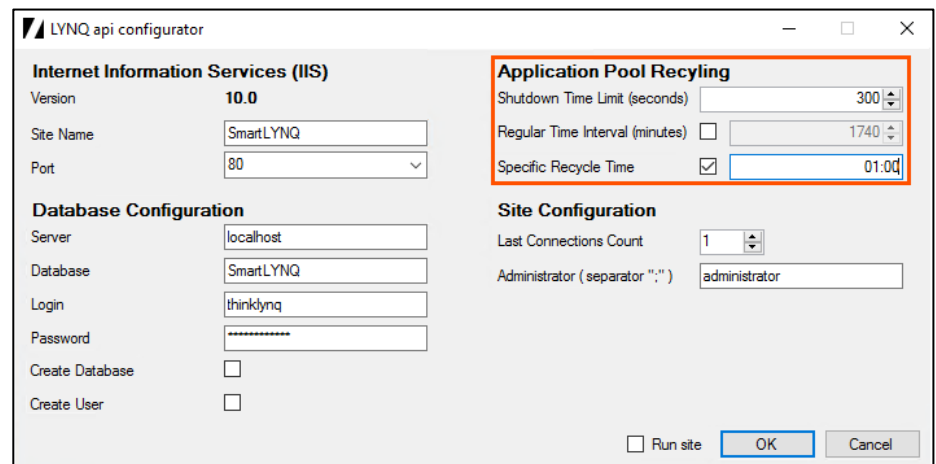8. Select OK to update the Database

Upgrading Smart LYNQ

From the Product Updater, select to update LYNQ api

The Select Version window is displayed.

Configurator Window

1. Select the most recent 2019 R1 Release and select OK
2. The Configurator window is displayed
3. It is recommended the **Application Pool Recycling** settings are set to:

   - Shutdown Time Limit (seconds) **300**
   - Regular Time Interval (minutes) **Off**
   - Specific Recycle Time **On 01:00**

4. Click OK
5. Once the update is complete open the LYNQ api Website
6. The first time the site is run you will be prompted to update the database.
7. Select OK to update the Database

Post Upgrade Steps

Important Steps
Don't forget to run these steps after the upgrade. Your software may not function correctly if these steps are not completed.

Complete the following post upgrade steps for the LYNQ mom Website depending on the version of Smart Manager you have upgraded from.

Use the table below as a guide:

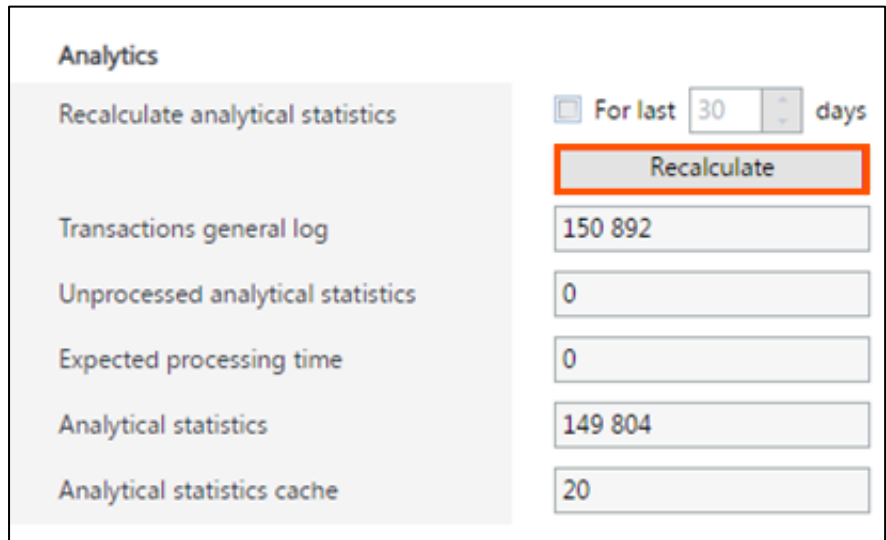| Step	Version 2.8x	Version 3.8x	Version 3.36x
Update Analytical Statistics	Yes	Yes	Yes
Import Equipment OSE	Yes	N/A	N/A
Update Production Issues	Yes	Yes	No
Apply Customisations	Yes	Yes	Yes

The following sections will explain how to complete each step

New Statistics Layer

For increased performance of the application, a new statistics layer has been introduced. This allows the application to perform much faster than earlier releases of LYNQ. You only need to run this once post upgrade.

1. From the LYNQ mom Home page select Settings and System Insights
2. Click Recalculate (Do NOT refresh the page once the recalculate has started, the page will automatically refresh every 30 seconds)

3. Once the recalculate has completed and there are zero unprocessed analytical statistics, close the page

Update Custom Production Issue

Production Issues

Please refer to the Knowledgebase for further guidance on Production Issues.
support.lynqmes.com

1. Your current profile has now been updated with 2019 R1 functions.
2. Now Select from Advanced Settings
3. Select Issues
4. All default Production Issues that were shipping with the 2.8 and 3.8 profile will be converted to the 2019 R1 format as explained in the table below. If any custom Production Issues were created since applying the 2.8 or 3.8 profile, the Production Issues should be edited and set to the relevant type and category.

Type	Category	Classification	Description
Availability	Breakdowns	Breakdowns	Breakdowns
	Setup and Adjustments	Setup and Adjustments	Setup and Adjustments
Custom	Health & Safety	Accident	Accident
		Near Miss	Near Miss
Performance	Minor Stops	Cleaning/Checking	Cleaning/Checking
		Component Jams	Component Jams
		Delivery Blocked	Delivery Blocked
		Equipment Wear	Equipment Wear
		Obstructed Product Flow	Obstructed Product Flow
		Sensor Blocked	Sensor Blocked
	Reduced Speed	Operator Inefficiency	Operator Inefficiency
		Rough Running	Rough Running
		Under Design Capacity	Under Design Capacity
Quality	Rejects	Production Rejects	Production Rejects
		Startup Rejects	Startup Rejects
Type	Category	Classification	Description
Availability	Breakdowns	Breakdowns	Breakdowns
	Setup and Adjustments	Setup and Adjustments	Setup and Adjustments
Custom	Health & Safety	Accident	Accident

Import Equipment Based OSE's

Appending from Profile

LYNQ ship a new profile with each major release of the software. You can use the append profile option to merge new profile settings with your existing profile settings. It's recommended that you run the append profile function after each major and service pack release of LYNQ.

If you want to track Overall Equipment Effectiveness (OEE) you must import the Equipment Based On Screen Elements (OSE's) from the 2019 R1 Profile. Once Imported you will be able to associate terminals to Linked Equipment. Doing so changes the behaviour of the Workbench.

Refer to the Knowledgebase for further information.

1. Open the LYNQ mom Website
2. Select Settings
3. Select Advanced Settings
4. Select Profiles
5. Select Save Current to provide a backup of existing profile.
6. Enter a **name** for the Profile (i.e. Post upgrade – Date)
7. Select the 2019 R1 profile
8. Select Append from Selected
9. This provides a complete list of On-screen elements available in the 2019 R1 profile and shows which of these are already within your existing profile (ticked).
10. It is recommended all new OSE's be appended to your existing profile.
11. To do this, use the filter option under the "Exists" column to only show "Unchecked"
12. On the top left of the report, tick the box to select all new OSE's
13. Select Append Selected
14. You must now assign the correct OSE's to the Equipment terminal and link the new equipment terminal to the relevant terminals

Reapply SQL Customisations

Contact LYNQ

If your installation of LYNQ is customised, contact support and request assistance with an upgrade

If you have customisations to your installation of LYNQ these will need to be re-applied after the upgrade. The LYNQ Support Team will be able to assist you with this activity. support@lynqmes.com