

# Post Installation

SYSPRO 8

Published: October 2022



# CONTENTS

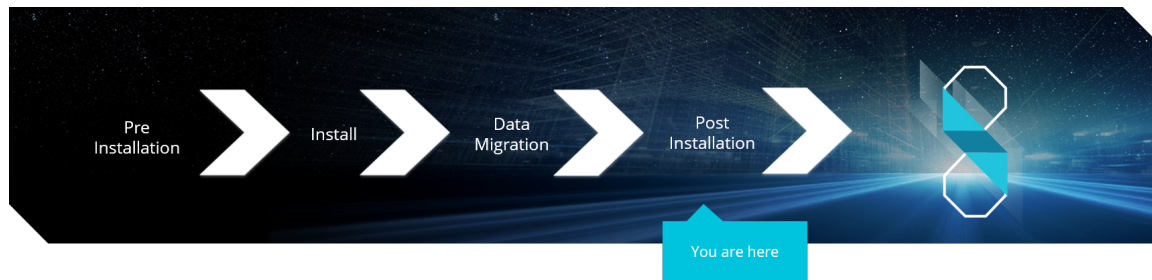
## Post Installation

Exploring .....	1
Starting .....	2
Solving .....	3
Using .....	6

# Post Installation

## Exploring

Where it fits in?



You have just installed **SYSPRO 8**. There are just a few more things you need to review to ensure that everything functions correctly.

# Starting

## Prerequisites

### First time installation

- Install **SYSPRO 8** using the **SYSPRO Installer**.

### Upgrading from SYSPRO 7 Update 1


- Install **SYSPRO 8** using the **SYSPRO Installer**.
- Convert your **SYSPRO 7 Update 1** data using the **Data Conversion** program.

# Solving

## Why can't I see the SYSPRO 8 runtime installed under Programs and Features?

The **SYSPRO 8** runtime uses Micro Focus installation software and is therefore listed as `Micro Focus COBOL Server` within the **Program and Features** function of your Windows **Control Panel** application.

## Why can't I make direct calls to `Encore.dll`?

<b>Removed:</b>	Direct calls to <code>Encore.dll</code> are no longer available.
<b>Reason:</b>	<p>Directly referencing <code>Encore.dll</code> using COM/DCOM limits applications to 32-bit as well as SYSPRO's future expandability.</p> <p>In addition, any third party applications referencing the SYSPRO DLL's directly make it difficult for SYSPRO to easily enhance the system without requiring each third party application to also be changed.</p> <div style="border: 1px solid #0070c0; border-radius: 10px; padding: 10px; margin-top: 10px;">  Web Services are still supported, so developers who have previously used Web Services will work unchanged.         </div>
<b>Replaced by:</b>	<p>Using the <b>SYSPRO 8 e.net Communications Load Balancer</b> service de-couples applications from the e.net 64-bit library and provides excellent scalability and performance.</p> <p>Additional benefits:</p> <ul style="list-style-type: none"> <li>▪ No limitation of being tied to a specific technology (e.g. 32-bit, etc.)</li> <li>▪ The system is more robust as any failures don't prevent the system from continuing on the other threads.</li> <li>▪ The system is multi-threaded and has a significantly improved performance under load.</li> <li>▪ Third party applications can reside on any server/computer that has access to the endpoint.</li> </ul>

## What happens to my legacy files when upgrading to SYSPRO 8?

When you upgrade from **SYSPRO 7 Update 1** to **SYSPRO 8** (using the **SYSPRO Installer Application**) the process is as follows:

1. **SYSPRO 7 Update 1** installation files are removed.



There may be some files left behind after this process because of new files added through ports, or third party developer files.

2. The **SYSPRO 8** installation process checks whether there are any remaining legacy files. If any are found, they are moved to a newly-created archived folder (`Archived_SYSPRO7Files`).
3. The following folders are added to the archived folder in the **SYSPRO 8** install location:
  - \Programs
  - \Screens
  - \Base\Bin
  - \Base\UI

## How do I reset SQL Server credentials when logging into SYSPRO?

Possible scenarios for requiring a reset of your SQL Server credentials include:

- You can't log into SYSPRO because of a SQL Server credential error (e.g. password expired).
- You are in a support environment and have been supplied with a database that you cannot access, possibly due to not having the SQL password.

From **SYSPRO 8**, you can reset your SQL Server credentials:

1. Open `IMPACT.INI` (located in the `WORK` folder) using an editor application such as **Notepad**.
2. Change the `SQLADM` entry to `SQLADM=[reset]` or change the `SQLSTD` entry to `SQLSTD=[reset]`  
Changing either entry enables you to reset the password for both accounts. The word '`reset`' is not case sensitive.
3. Save the file and log into SYSPRO.

You will be prompted to enter a new SQL Server user name and password for both the administrative and standard logins.

## Why are existing web views not appearing in SYSPRO after updating to the latest release?

Prior to **SYSPRO 8 2019 R1**, any customized web view by operator or role surfaced in both SYSPRO and **SYSPRO Web UI (Avanti)**.

From **SYSPRO 8 2019 R1** onwards you must explicitly state whether a web view is targeted for SYSPRO or **SYSPRO Web UI (Avanti)**.


Because any pre-existing web view is assumed to be for **SYSPRO Web UI (Avanti)**, if you want existing SYSPRO web views to appear in later versions of SYSPRO, you must rename the .JSON file to include a `_SYSPRO` extension (e.g. `UX_OperatorCode_ProgramLZ_SYSPRO.JSON`).

The .JSON file resides in your `\Base\Settings` folder (or the `Role_xxx` folder if the user interface is configured by role).


You can also rename the file using the **Save as** function from within the **Visual Designer**. You will be prompted to indicate the type of web view you want to save (i.e. **Avanti** or **SYSPRO Client**).


# Using

## Post Installation Checks

Check	Description
<b>1. Services</b>	Start up the SYSPRO Services.
<b>2. Licensing</b>	<ul style="list-style-type: none"> <li>Apply the licensing for new modules and users (if any) in the <b>Company Setup</b> program.</li> <li>Update the company settings for any new modules.</li> </ul>
<b>3. Data conversion</b>	<p>The upgrade from <b>SYSPRO 7 Update 1</b> to <b>SYSPRO 8</b> converts all ISAM data into SQL tables.</p> <p>Therefore, we recommend that you run the <b>SQL Server Diagnostic</b> program to ensure database integrity.</p>
<b>4. Port numbers</b>	Ensure that all port numbers configured in the <b>System Setup</b> program are correct.
<b>5. Security</b>	<ul style="list-style-type: none"> <li>Review and assign the security features required for all users, including electronic signatures, operator activities and role-based security.</li> </ul> <div style="border: 1px solid #0070C0; border-radius: 10px; padding: 10px; margin: 10px 0;">  This is only required for first time installations. If you have upgraded from <b>SYSPRO 7 Update 1</b>, your security settings will be retained.         </div> <ul style="list-style-type: none"> <li>If any users require denied access to <b>Custom Form Query</b> business objects, you can enable this now.</li> </ul>



Check	Description
<b>6. Web views</b>	<p>Any web views created in <b><i>SYSPRO 7 Update 1</i></b> must be renamed in order for them to appear in <b><i>SYSPRO 8</i></b>.</p> <div style="border: 1px solid #0070C0; padding: 10px; margin: 10px 0;">  <p>Prior to <b><i>SYSPRO 8 2019 R1</i></b>, any customized web view by operator or role surfaced in both SYSPRO and <b><i>SYSPRO Web UI (Avanti)</i></b>.</p> <p>From <b><i>SYSPRO 8 2019 R1</i></b> onwards you must explicitly state whether a web view is targeted for SYSPRO or <b><i>SYSPRO Web UI (Avanti)</i></b>.</p> <p>Because any pre-existing web view is assumed to be for <b><i>SYSPRO Web UI (Avanti)</i></b>, if you want existing SYSPRO web views to appear in later versions of SYSPRO, you must rename the .JSON file to include a <b><i>_SYSPRO</i></b> extension (e.g. <b><i>UX_OperatorCode_ProgramLZ_SYSPRO.JSON</i></b>).</p> <p>The .JSON file resides in your <code>\Base\Settings</code> folder (or the <code>Role_xxx</code> folder if the user interface is configured by role).</p> <p>You can also rename the file using the <b>Save as</b> function from within the <b>Visual Designer</b>. You will be prompted to indicate the type of web view you want to save (i.e. <b>Avanti</b> or <b>SYSPRO Client</b>).</p> </div>
<b>7. Custom software</b>	<p>Any previously installed custom software (developed in the same technology as SYSPRO) should be re-installed or verified that it functions as expected in <b><i>SYSPRO 8</i></b>.</p>
<b>8. Reports</b>	<p>Ensure that all <b><i>Report Writer</i></b> and <b><i>SYSPRO Reporting Services</i></b> reports work as required.</p>
<b>9. Confirm software</b>	<p>Verify that the software works as expected.</p>
<b>10. Financial checks</b>	<p>Check all your balances against the balances printed prior to the upgrade and conversion.</p>
<b>11. Operator login</b>	<ul style="list-style-type: none"> <li>▪ Deselect the <b>Prevent further logins</b> setup option in the <b>Company Setup</b> program. This allows users to log back into the system.</li> <li>▪ Notify users that they can now use the new software.</li> </ul>

Check	Description
<b>12. Third party applications</b>	<ul style="list-style-type: none"> <li>Any previously installed third party applications may need to be re-installed or updated to work with <b>SYSPRO 8</b>.</li> <li>Check with the relevant third party developers for further information.</li> </ul>
<b>13. Custom tiles</b>	<p>If you had custom tiles in the <b>SYSPRO 7 Update 1</b> Custom program folder, you need to manually move these to the \Plugin\CustomStore folder in <b>SYSPRO 8</b>.</p> <div style="border: 1px solid #0070C0; border-radius: 10px; padding: 10px; margin-top: 10px;">  Custom tiles are named CX_Tile*.SQL. </div>
<b>14. Analytics</b>	<p>If you are an Analytics user (and your existing Analytics site databases are on <b>SYSPRO 7 Update 1</b>) ensure that you manually migrate and update your site databases inside the Analytics program.</p>
<b>15. Archive Migration</b> <i>(Optional)</i>	<p>If during the data migration you elected not to convert your archive data, you have the option of performing this at a later stage using the <b>Archiving Migration</b> program.</p>
<b>16. Bin to Serial Linkage</b> <i>(Optional)</i>	<p>If you want to make use of the new improved <b>Bin to Serial Linkage</b> feature (which enables you to accurately determine where serials reside in a warehouse from the perspective of bins) enable the <b>Associate serials by bin</b> setup option (<i>Setup Options &gt; Configuration &gt; Distribution &gt; Inventory</i>).</p> <p>For more information on this feature, please refer to the <b>Bin to Serial Linkage</b> reference guide.</p>

## SYSPRO 8 Hotfixes

A hotfix is the minimum software required to provide a solution for a specific problem experienced by one or more customers. These can also include any relevant dependencies.

SYSPRO provides hotfixes as a way of deploying software updates during the release of **SYSPRO 8**.

Types of hotfixes available include:

- **Mandatory Hotfix**
- **Optional/Customer-specific Hotfix**
- **Consolidated Hotfix**
- **Diagnostic Hotfix**
- **Restricted Hotfix**
- **Withdrawn Hotfix**

Hotfixes are available from the **SYSPRO Installer** application.

Please refer to the **SYSPRO Hotfixes** reference guide for a detailed explanation.

## Archive Migration

This program lets you complete the migration of data from **SYSPRO 7 Update 1 SYSPRO 8**, if you elected to defer the conversion/migration of your archived data when running the **Data Conversion** program.

The archive data that can be converted from this program includes:

- ECC BOM archive (XML)
- WIP archive (XML)
- Sales order archive (XML)
- Lot archive (ISAM)



Archived data will not be available in **SYSPRO 8** until it has been converted using this program.

For more detailed information regarding the **Archiving Migration** program, please refer to the **Archiving Migration** reference guide.

# SYSPRO 8 Considerations

## Architecture

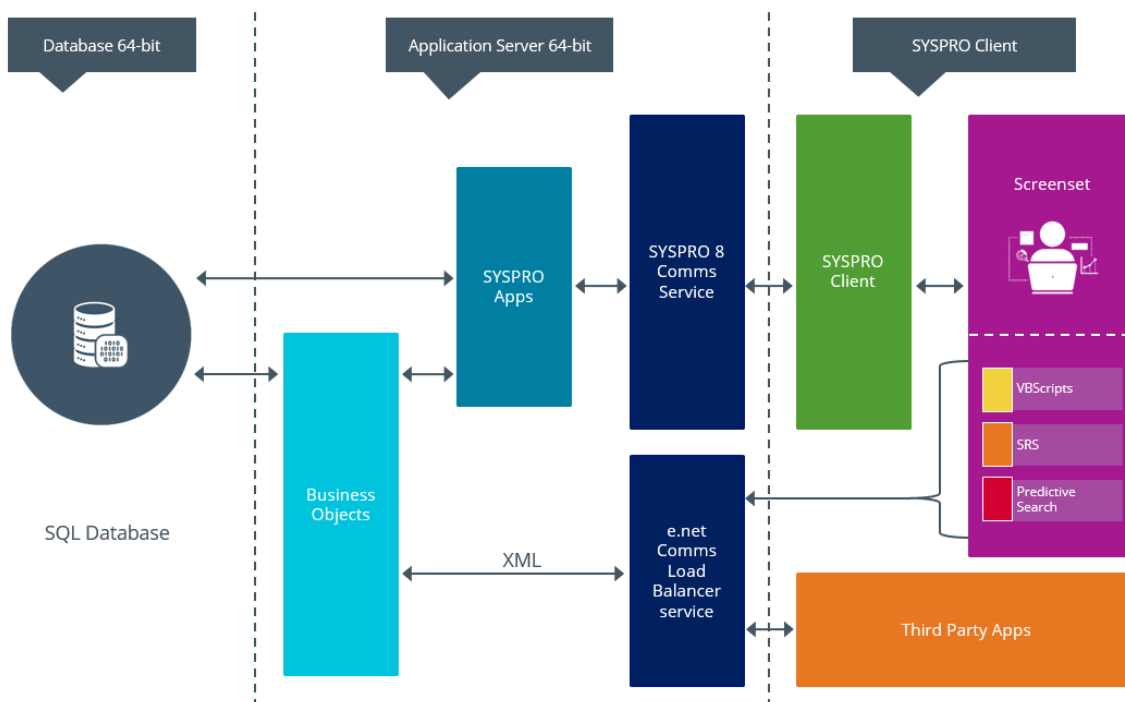
### Architecture enhancements

Various improvements have been made to the architecture of **SYSPRO 8** to future-proof the product and plan for innovative development.

### e.net Communication Load Balancer service

As **SYSPRO 8** strives towards sophisticated simplicity, we have enhanced how the client-server and e.net environments work:

- The **SYSPRO 8 Communications Service** is used for client-server communications, as this is a faster, more secure, 64-bit and firewall-friendly communication method.
  - Specific client components (e.g. VBScript, SRS, Predictive search, etc.) use the **SYSPRO 8 e.net Communications Load Balancer** service to call the relevant business objects.
- This is a more secure, scalable, robust, 64-bit method of running e.net business objects.
- All third party apps access SYSPRO via the **SYSPRO 8 e.net Communications Load Balancer** service.



## Web Views

Prior to **SYSPRO 8 2019 R1**, any customized web view by operator or role surfaced in both SYSPRO and **SYSPRO Web UI (Avanti)**.

From **SYSPRO 8 2019 R1** onwards you must explicitly state whether a web view is targeted for SYSPRO or **SYSPRO Web UI (Avanti)**.

Because any pre-existing web view is assumed to be for **SYSPRO Web UI (Avanti)**, if you want existing SYSPRO web views to appear in later versions of SYSPRO, you must rename the .JSON file to include a `_SYSPRO` extension (e.g. `UX_OperatorCode_ProgramLZ_SYSPRO.JSON`).

The .JSON file resides in your `\Base\Settings` folder (or the `Role_xxx` folder if the user interface is configured by role).

You can also rename the file using the **Save as** function from within the **Visual Designer**. You will be prompted to indicate the type of web view you want to save (i.e. **Avanti** or **SYSPRO Client**).

## Document Flow Manager

**SYSPRO 8** includes major architectural changes to **Document Flow Manager** (DFM). These include:

- Services installs
- Re-architected .Net Services
- Using Microsoft SQL Server for message queuing
- Improved user-interfaces for all DFM applications

## SQL Server authentication

<p><b>Description of change:</b></p>	<p>The options for connecting to SQL Server has changed.</p> <p>In <b>SYSPRO 7 Update 1</b>, the <b>System Setup</b> program provided 3 options:</p> <ul style="list-style-type: none"> <li>▪ SQL authentication (Operator login+pass)</li> <li>▪ SQL authentication (ADMIN login+pass)</li> <li>▪ Windows authentication</li> </ul> <p>In <b>SYSPRO 8</b>, this has been simplified to 2 options:</p> <ul style="list-style-type: none"> <li>▪ SQL authentication</li> </ul> <p>The <b>SQL Server standard user information</b> entries are used by default.</p> <ul style="list-style-type: none"> <li>▪ Windows authentication</li> </ul> <p><b>SYSPRO 8</b> also lets override this at operator level (using the <b>Operator Maintenance</b> program - which has new options allowing specific operators to have their own SQL Server user name and passwords).</p>
<p><b>Reason:</b></p>	<p>Simplified system setup and the ability for customers to trace SQL Server usage by SQL login.</p>

## VBScripsts to use CallBo function rather than 'enetguid' variable

<p><b>Description of change:</b></p>	<p>When creating a VBScript in <b>SYSPRO 7 Update 1</b> and prior versions, a special variable named <code>enetguid</code> was available. This legacy variable was required in older VBScripts to invoke an e.net business object.</p> <p>This logic was superseded several versions ago, by allowing you to use the simpler <b>CallBo</b> function call to invoke e.net business objects.</p> <p>So, if you have previously used the <code>enetguid</code> variable, you need to recode your VBScript to use the <b>CallBo</b> function.</p>
<p><b>Reason:</b></p>	<p>Simpler process.</p>

## Business Objects

### Custom Form Query

<b>Description of change:</b>	From <b>SYSPRO 8</b> onwards, only authorized operators will be able to run direct calls to the <b>COM Custom Form Query</b> (COMQFM) business object.  However, operators who run calls to this business object via another business object (e.g. INVQRY - <b>Inventory Query</b> ) are unaffected.
<b>Reason:</b>	Improved security.

## Custom COBOL applications

The following `IMPACT.INI` entries are **obsolete** for **SYSPRO 8**



Values in square brackets [ ] indicate the names when running in development mode:

- IMPPRG=

For **SYSPRO 8** there are fixed locations for 32-bit and 64-bit programs:

- \Programs [\PRG]
- \Programs64 [\PRG64]

- IMPGUI=

For **SYSPRO 8** there are fixed locations for client screensets:

- \Screens [\GUI]

- CUSPRG=

For **SYSPRO 8** there are fixed locations for custom 32-bit and 64-bit programs:

- \Plugin\CustomPrograms
- \Plugin\CustomPrograms64

`CUS*.IMP` files previously located in the custom program folder are now located in:

- \Plugin\CustomStore

- CUSGUI=

For **SYSPRO 8** there are now fixed locations for custom client screensets:

- \Plugin\CustomScreens

## Technologies and features no longer supported in SYSPRO 8

In addition to focusing on SQL Server for improved scalability and availability and future-proofing your systems, **SYSPRO 8** is also about simplifying the system where possible. For this reason, some options have been simplified and/or removed as part of this process. In all cases the options that remain provide for improved scalability, performance, availability and/or security.



The **SYSPRO 8 Readiness Check** program (run from within **SYSPRO 7 Update 1**) performs a number of validation checks when determining if your system is ready to be upgraded and will advise on some of the technologies that are no longer supported.

### SQL Connections

<b>Removed:</b>	Connecting to Microsoft SQL Server using an ODBC DSN
<b>Reason:</b>	Prevents setup requirements and resulting issues with native ODBC drivers
<b>Replaced by:</b>	SQL Server connection strings
	<p>Already the preferred option in <b>SYSPRO 7 Update 1</b>.</p>


### Custom Form data format

<b>Removed:</b>	Support for a single table storing all custom form data
<b>Reason:</b>	Poor scalability, poor data accessibility and poor performance as data grows
<b>Replaced by:</b>	Separate tables per master table
	<p>Already the preferred option in <b>SYSPRO 7 Update 1</b>.</p>

### Client-Server communication technology

<b>Removed:</b>	Client-server communication using legacy CCI technology
<b>Reason:</b>	Inappropriate port handling over a firewall, and poor resilience when reduced network stability



<b>Replaced by:</b>	<b>SYSPRO 8 Communications Service</b> using Microsoft WCF technology
	 Already the preferred option in <b>SYSPRO 7 Update 1</b> .

## Web-based applications

<b>Removed:</b>	Web-based applications using the legacy HTML interface
<b>Reason:</b>	Very limited functionality and no customization available, based on legacy technologies
<b>Replaced by:</b>	<b>SYSPRO Espresso</b> mobile solutions provides functionality available in the web-based applications, is highly customizable, provides off-line functionality, etc.

## SAP Crystal 2008

<b>Removed:</b>	Support for SAP Crystal 2008
<b>Reason:</b>	Crystal 2008 is no longer supported by the OEM vendor
<b>Replaced by:</b>	The new version to use is SAP Crystal 2013
	 From <b>SYSPRO 8 2020 R2</b> , server-side reporting requires <b>SAP Crystal Reports 2016</b> .

## ISAM

<b>Removed:</b>	Support for ISAM data format
<b>Reason:</b>	Lower performance, increased file system usage, poor data integrity, etc.
<b>Replaced by:</b>	Microsoft SQL Server provides enterprise-strength Data Integrity, Security, Scalability, Availability, Simplicity and Performance that can be accessed by all popular querying and reporting tools.

## Preactor integration


<b>Removed:</b>	Preactor integration is no longer supported in <b>SYSPRO 8</b> .
<b>Replaced by:</b>	<p><b>SYSPRO's Manufacturing Operations Management (SYSPRO MOM)</b> is a complete solution for manufacturing companies that includes:</p> <ul style="list-style-type: none"> <li>▪ Scheduling</li> <li>▪ Planning</li> <li>▪ Equipment</li> <li>▪ Employees</li> <li>▪ Dashboards</li> </ul>

## Encore.dll via e.net Communications Service



For more information, please read the **SYSPRO e.net Solutions** article.

<b>Removed:</b>	Direct calls to <code>Encore.dll</code> are no longer available.
<b>Reason:</b>	<p>Directly referencing <code>Encore.dll</code> using COM/DCOM limits applications to 32-bit as well as SYSPRO's future expandability.</p> <p>In addition, any third party applications referencing the SYSPRO DLL's directly make it difficult for SYSPRO to easily enhance the system without requiring each third party application to also be changed.</p>



Web Services are still supported, so developers who have previously used Web Services will work unchanged.

**Replaced by:**

Using the **SYSPRO 8 e.net Communications Load Balancer** service de-couples applications from the e.net 64-bit library and provides excellent scalability and performance.

Additional benefits:

- No limitation of being tied to a specific technology (e.g. 32-bit, etc.)
- The system is more robust as any failures don't prevent the system from continuing on the other threads.
- The system is multi-threaded and has a significantly improved performance under load.
- Third party applications can reside on any server/computer that has access to the endpoint.



[www.syspro.com](http://www.syspro.com)

Copyright © SYSPRO. All rights reserved.  
All brand and product names are trademarks or  
registered trademarks of their respective holders.

