

# Post Installation

SYSPRO 8

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## Post Installation

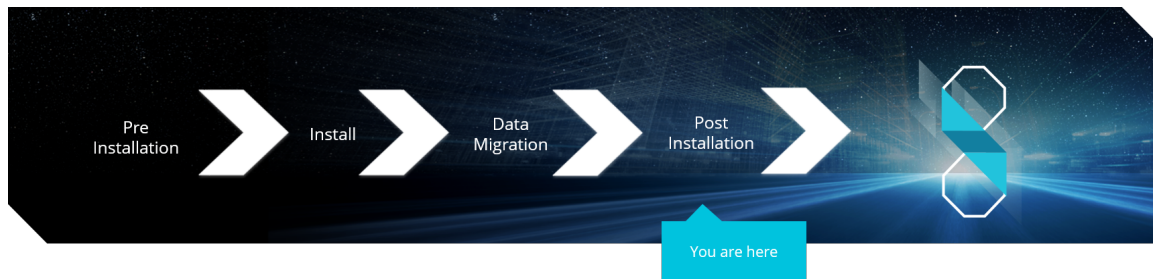
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# Post Installation

## Exploring

Where does it fit 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`?

 For more information, please read the **SYSPRO e.net Solutions** article ( *SYSPRO 8 Help > RESOURCES > Reference Guides* ).

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



**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.



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

When you select to upgrade from **SYSPRO 7 Update 1** to **SYSPRO 8** (using the **SYSPRO Installer** app) 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.
4. Log into SYSPRO.





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



# Using

## Post Installation Checks

Check	Description
1. Services	<ul style="list-style-type: none"><li>Start up the SYSPRO Services.</li></ul>
2. Licensing	<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>
3. Data conversion	<ul style="list-style-type: none"><li>The upgrade from <b>SYSPRO 7 Update 1</b> to <b>SYSPRO 8</b> converts all ISAM data into SQL tables.</li><li>Run the <b>SQL Server Diagnostic</b> program to ensure database integrity.</li></ul>
4. Port numbers	<ul style="list-style-type: none"><li>Ensure that all port numbers configured in the <b>System Setup</b> program are correct.</li></ul>
5. Security	<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.<ul style="list-style-type: none"><li> 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.</li><li>If any users require denied access to Custom Form Query business objects, you can enable this now.</li></ul></li></ul>
6. Custom software	<ul style="list-style-type: none"><li>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>SYSPRO 8</b>.</li></ul>
7. Reports	<ul style="list-style-type: none"><li>Ensure that all <b>Report Writer</b> and <b>SYSPRO Reporting Services</b> reports work as required.</li></ul>
8. Confirm software	<ul style="list-style-type: none"><li>Verify that the software works as expected.</li></ul>
9. Financial checks	<ul style="list-style-type: none"><li>Check all your balances against the balances printed prior to the upgrade and conversion.</li></ul>

Check	Description
<b>10. 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>
<b>11. 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>12. Custom tiles</b>	<ul style="list-style-type: none"> <li>■ If you had custom tiles in the <b>SYSPRO 7 Update 1</b> <code>Custom program</code> folder, you need to manually move these to the <code>\Plugin\CustomStore</code> folder in <b>SYSPRO 8</b>.</li> </ul> <p> Custom tiles are named <code>CX_Tile*.SQL</code>.</p>
<b>13. Analytics</b>	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.
<b>14. Archive Migration</b> <i>(Optional)</i>	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.
<b>15. 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 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

When running the **Data Conversion** program, you are given the option to defer the conversion/migration of your archived data.

The **Archiving Migration** program lets you complete the migration of that data from SYSPRO 7 format to SQL in SYSPRO 8.

- 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.

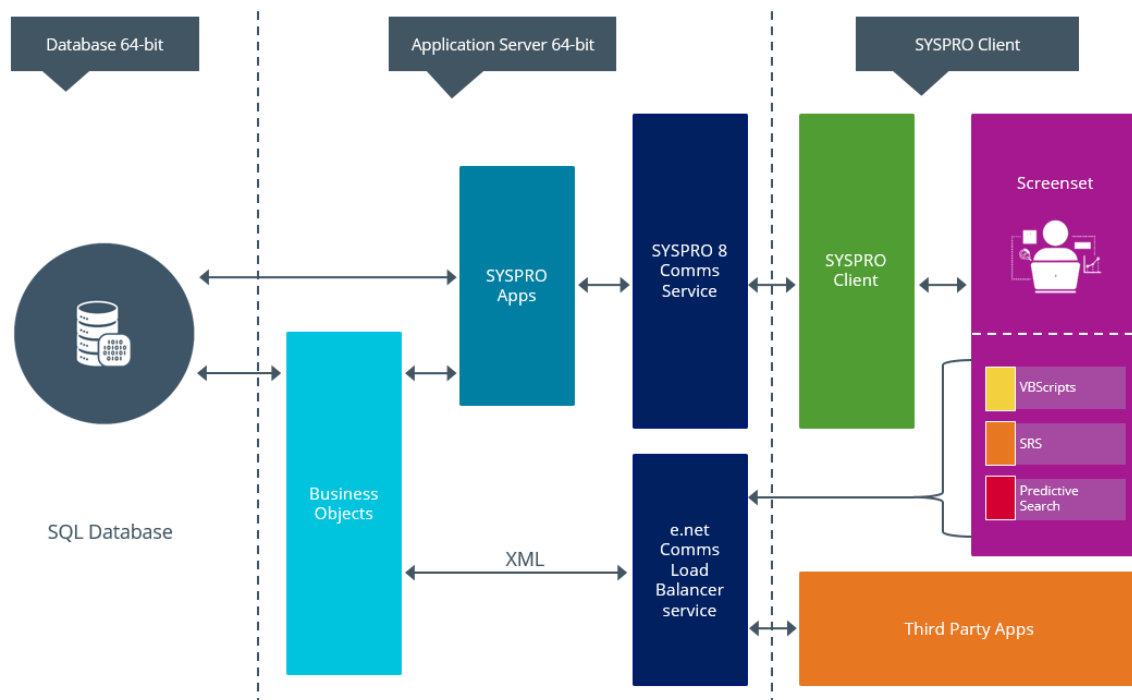
### e.net Communication Load Balancer service

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.





## 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

<b>Description of change:</b>	<p>The options for connecting to SQL Server has changed. 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>
<b>Reason:</b>	<p>Simplified system setup and the ability for customers to trace SQL Server usage by SQL login.</p>



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

<b>Description of change:</b>	<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>
<b>Reason:</b>	Simpler process.


## Business Objects

### Custom Form Query

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


**Removed:**

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  Already the preferred option in <b><i>SYSPRO 7 Update 1.</i></b>

### 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  Already the preferred option in <b><i>SYSPRO 7 Update 1.</i></b>

### 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><i>SYSPRO 7 Update 1.</i></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


## 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><i>SYSPRO 8</i></b> .
<b>Replaced by:</b>	<b><i>SYSPRO's Manufacturing Operations Management (SYSPRO MOM)</i></b> is a complete solution for manufacturing companies that includes: <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 (*SYSPRO 8 Help > RESOURCES > Reference Guides*).

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<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>



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