

Readiness Check

SYSPRO 8

Reference Guide

Published: February 2019



CONTENTS

SYSPRO 8 Readiness Check

Exploring	1
Starting	2
Using	3
Referencing	4



SYSPRO 8 Readiness Check

Exploring

Where does it fit in?

The **SYSPRO 8 Readiness Check** program is a diagnostic program that you run on your **SYSPRO 7 Update 1** SQL database(s) to identify any issues that may cause the conversion process to fail. It verifies your system environment and company databases to ensure that the conversion to **SYSPRO 8** is as simple as possible.

If you are currently running **SYSPRO 7 Update 1** (ISAM) you can (on a separate environment) migrate your data to **SYSPRO 7 Update 1** (SQL) and then run the **SYSPRO 8 Readiness Check**.


Navigation

- This program is accessed from the **Program List** pane of the SYSPRO menu.
SYSPRO 7 Update 1 > Program List > Administration > SYSPRO 8 Readiness Check




Starting

Prerequisites

-  Ensure that you are on **Port 36 (SYSPRO 7 Update 1)** to ensure that you have all of the latest enhancements to this program.

Restrictions and Limits

-  You cannot run this program from an ISAM company. All companies must be converted to SQL before they can be converted to **SYSPRO 8**.



Using


Processing Flows

The **SYSPRO 8 Readiness Check** displays a row of information regarding your system-wide database. In addition, an additional row is shown; one for each company. This is determined by reading the company control files (ADMCTL) in the \Work folder.

Each entry is initially shown with a white flag icon to indicate that it has not yet been validated. You can select multiple entries and then run the validation on these entities.

The **SYSPRO 8 Readiness Check** then performs a number of system and company validation checks.

Hints and Tips

-  Ensure that the **auto close** option is not enabled for any SYSPRO database as this can cause problems when trying to bulk insert or process cross-database updates.

Referencing


System checks

Field	Description	Importance
SQL version	<p>The SYSPRO 8 Readiness Check verifies your current version of SQL.</p> <p>SYSPRO 8 supports SQL versions from 2008 R2 onwards.</p> <p> If you are using an older SQL version, the following error is displayed:</p> <pre>This is an unsupported version of SQL. SQL 2008 R2 is the earliest version supported in SYSPRO 8</pre>	Critical Requires addressing prior to conversion
Crystal version	<p>The SYSPRO 8 Readiness Check verifies the System Setup program (Reporting tab) to determine if Crystal 2013 is selected.</p> <p> If you are using an older version of Crystal, the following error is displayed:</p> <pre>Not supported in SYSPRO 8</pre>	Warning Requires addressing prior to conversion


Field	Description	Importance
Microsoft Office Components	<p>The SYSPRO 8 Readiness Check doesn't check these components, but will display the following message:</p> <pre>Office components (Excel, Word and Outlook) SOI only supports versions from Microsoft Office 2010 onwards</pre>	<p>Information only</p> <p>Any operators required to make use of Microsoft Office components integrated with SYSPRO 8 will need to upgrade their Office suite.</p>
Client Server Communications	<p>If you are using CCI as your method of communication between client server, the following error is displayed:</p> <pre>SYSPRO CCI Service Not Supported in SYSPRO 8</pre>	<p>Warning</p> <p>This means that when you install SYSPRO 8, you must use the SYSPRO client-server communications service, as CCI is no longer supported.</p>
Custom Form Data Format	<p>If you are using the legacy format for custom form data, the following error is displayed:</p> <pre>Custom forms must be converted to the '+' table format before converting to SYSPRO 8</pre>	<p>Critical</p> <p>Requires addressing prior to conversion.</p> <p>Therefore, you must use the Custom Form admin tool to migrate your Custom Form data format.</p>
ISAM file checks for system database	<p>The SYSPRO 8 Readiness Check will attempt to open all of the ISAM files that require conversion to SQL in the system database.</p> <p>If there is an error on one or more of these files, the following message is displayed:</p> <pre>One or more system ISAM files require re-indexing before converting to SYSPRO 8</pre> <p>All files with errors are then shown in the list view.</p>	<p>Critical</p> <p>Files require reindexing prior to conversion.</p> <p>This will ensure that they are valid before the SYSPRO 8 data migration proceeds.</p>




Field	Description	Importance
System database	<p>The SYSPRO 8 Readiness Check verifies the existence of any tables that may have the same name as a SYSPRO 8 table to be created.</p> <p>If one or more are found then the following message will appear:</p> <pre>One or more SQL tables exist in the database which are reserved for the ISAM file conversion. These need to be renamed or deleted before converting to SYSPRO 8</pre> <p>All tables with issues are then shown in the list view.</p>	<p>Critical</p> <p>Requires addressing prior to conversion as it may prevent the correct creation of new tables.</p> <p>You may need to investigate why there is a table in the system-wide database with the same name as a table created when migrating to SYSPRO 8.</p>

Field	Description	Importance
Database collation	<p>If (prior to the migration) your database's collation was configured as case insensitive the migration may result in errors, as information contained in the ISAM files is case sensitive.</p> <p><i>For example:</i> You may have two stock codes of ABC and abc; this will cause the conversion to fail with a duplicate entry in the <code>InvMaster</code> table.</p> <p>Therefore the SYSPRO 8 Readiness Check verifies that the collation for the system database is case sensitive. This is achieved by scanning the collation name for <code>_CI</code> which implies case insensitive.</p> <p>If the collation for the database is not case sensitive then the following error is shown:</p> <pre>Database collation.The database collation 'xxxxxxxx' is case insensitive. This must be changed to a case sensitive collation before converting to SYSPRO 8. (where xxxxxxxx is the current collation)</pre>	<p>Critical</p> <p>Requires addressing prior to conversion.</p> <p>You can change the collation on a database by using either of the following methods:</p> <ul style="list-style-type: none"> ▪ SQL Server Management Studio (SSMS) ▪ Using Transact-SQL script <p> It is important to note that changing the collation using a script is NOT applied to existing tables and columns, but will only be applied to entities added subsequent to the change.</p> <p>For detailed information on how to do this using either method: Set or Change the Database Collation</p> <p>Alternatively, you can change the database collation to a Case Sensitive collation (<code>_CS</code> in the name), or to a binary collation (<code>_BIN2</code> in the name).</p> <p><i>For example:</i></p> <pre>Latin1_General_BIN2</pre> <p>or</p> <pre>Latin1_General_CS_AS</pre>



Field	Description	Importance
Database compatibility level	<p>A compatibility level that is less than 100 is not supported in SYSPRO 8, therefore the SYSPRO 8 Readiness Check verifies the compatibility level of your SQL database.</p> <p>If the compatibility level for the database is found to be less than 100 then the following error is shown:</p> <pre>Database compatibility level The compatibility level of 'nn' is not supported in SYSPRO 8.</pre> <p> For further information regarding compatibility levels: Understanding SQL Server Compatibility Levels</p>	<p>Critical</p> <p>Requires addressing prior to conversion.</p> <p>You can change the compatibility level on a database by using either of the following methods:</p> <ul style="list-style-type: none">▪ SQL Server Management Studio (SSMS)▪ Using Transact-SQL script <p>For detailed information on how to do this using either method: View or Change the Compatibility Level of a Database</p>




Field	Description	Importance
Custom programs	<p>The SYSPRO 8 Readiness Check reviews the following areas to establish whether any custom COBOL programs are called:</p> <ul style="list-style-type: none"> Custom COBOL programs are those that are not defined in <code>IMPPRG.IMP</code> as a standard SYSPRO program. <ul style="list-style-type: none">▪ Document Flow Manager▪ Electronic Signatures▪ Task Items <p>If any are found the following warning message is displayed, along with details as to where they are defined:</p> <pre>Custom programs</pre> <p>Custom programs are in use. Please ensure that a compatible version is available before converting to SYSPRO 8.</p>	Critical Requires addressing prior to conversion. Please speak to your third party vendor to ensure that there is a version of the software which is compatible with SYSPRO 8 .

Company checks


The following checks are performed on each of the companies selected:


Field	Description	Importance
C-ISAM	<p>If the company selected is validated as being C-ISAM, the following error message is displayed:</p> <pre>Company must be converted to SQL before converting to SYSPRO 8</pre>	<p>Critical</p> <p>Requires addressing prior to conversion.</p> <p>No further checks are made.</p>
SYSPRO version	<p>If the company selected is validated as being on a version of SYSPRO prior to SYSPRO 7 Update 1, the following error message is displayed:</p> <pre>Company must be converted to SYSPRO 7 Update 1 before converting to SYSPRO 8</pre>	<p>Critical</p> <p>Requires addressing prior to conversion.</p> <p>No further checks are made.</p>
Company database existence	<p>If the company database doesn't exist, the following error message is displayed:</p> <pre>Company database does not exist in the SQL instance</pre>	<p>Critical</p> <p>Requires addressing prior to conversion.</p> <p>No further checks are made.</p>
Company control file	<p>If the SYSPRO 8 Readiness Check encounters a problem accessing the control file, the following error message is displayed:</p> <pre>Error accessing the company control file</pre>	<p>Critical</p> <p>This is highly unlikely but must be addressed prior to conversion.</p> <p>Reindexing should resolve the issue.</p>
Web based applications	<p>If the company is licensed for Web based applications, a row with the following informational message is displayed:</p> <pre>Not supported in SYSPRO 8</pre>	<p>Information only</p> <p>Legacy web-based apps not supported in SYSPRO 8.</p>


Field	Description	Importance
Preactor	<p>If the company is licensed for Preactor, a row with the following informational message is displayed:</p> <pre>Not supported in SYSPRO 8</pre>	<p>Information only</p> <p>Preactor integration is not available in SYSPRO 8.</p>
DFM	<p>If the company has DFM installed, the following informational message is displayed:</p> <pre>Before converting to SYSPRO 8 ensure that no documents are currently queued for DFM</pre>	<p>Information only</p> <p>This is a reminder to ensure that all documents have been processed before starting the SYSPRO 8 migration.</p>
ISAM file checks for company database	<p>The SYSPRO 8 Readiness Check will attempt to open all of the ISAM files that are to be converted to SQL in each company database.</p> <p>If there is an error on one or more of them, the following error message is displayed:</p> <pre>One or more company ISAM files require reindexing before converting to SYSPRO 8</pre> <p>All files with errors are then shown in the list view.</p>	<p>Critical</p> <p>Files require reindexing prior to conversion</p>


Field	Description	Importance
Company database tables	<p>The SYSPRO 8 Readiness Check checks for the existence of any tables that may have the same name as new tables in SYSPRO 8.</p> <p>If one or more are found, the following error message is displayed:</p> <pre>One or more SQL tables exist in the database which are reserved for the ISAM file conversion. These need to be renamed or deleted before converting to SYSPRO 8</pre> <p>All tables with issues are then shown in the list view.</p>	<p>Critical</p> <p>Requires addressing prior to conversion as it may prevent the correct creation of new tables</p>
Lot archive files	<p> While these files do not need to be converted at the time of upgrading to SYSPRO 8, it is advisable that these be reindexed prior to upgrading.</p> <p>The SYSPRO 8 Readiness Check will attempt to open these files and if they fail the following error message is shown:</p> <pre>One or more Lot Archive files are either not found or require reindexing before converting to SYSPRO 8</pre> <p>Each file with issues is then included in the list view.</p>	<p>Critical / Warning</p> <p>If these files are not found this is only a warning message, as they can be made available and converted once you are in SYSPRO 8.</p> <p>However, if one or more of these files require reindexing, then this is critical and needs to be addressed prior to converting.</p>



Field	Description	Importance
Sales order, ECC BOM and WIP Job archive files	<p> These files do not need to be converted at the time of upgrading to SYSPRO 8.</p> <p>There is no reindexing for these files, therefore the SYSPRO 8 Readiness Check just ensures that they are available and will display the following message if any files are not found:</p> <pre>One or more archive files not found</pre> <p>Each file not found is then included in the list view.</p>	Warning If these files are not found, you can make them available and convert once you are in SYSPRO 8

Field	Description	Importance
Database collation	<p>If (prior to the migration) your database's collation was configured as case insensitive the migration may result in errors, as information contained in the ISAM files is case sensitive.</p> <p><i>For example:</i> You may have two stock codes of ABC and abc; this will cause the conversion to fail with a duplicate entry in the <code>InvMaster</code> table.</p> <p>Therefore the SYSPRO 8 Readiness Check verifies that the collation for the system database is case sensitive. This is achieved by scanning the collation name for <code>_CI</code> which implies case insensitive.</p> <p>If the collation for the database is not case sensitive then the following error is shown:</p> <pre>Database collation.The database collation 'xxxxxxxx' is case insensitive. This must be changed to a case sensitive collation before converting to SYSPRO 8. (Where xxxxxxxx is the current collation)</pre>	<p>Critical</p> <p>Requires addressing prior to conversion.</p> <p>You can change the collation on a database by using either of the following methods:</p> <ul style="list-style-type: none"> ▪ SQL Server Management Studio (SSMS) ▪ Using Transact-SQL script <p> It is important to note that changing the collation using a script is NOT applied to existing tables and columns, but will only be applied to entities added subsequent to the change.</p> <p>For detailed information on how to do this using either method: Set or Change the Database Collation</p> <p>Alternatively, you can change the database collation to a Case Sensitive collation (<code>_CS</code> in the name), or to a binary collation (<code>_BIN2</code> in the name).</p> <p><i>For example:</i></p> <pre>Latin1_General_BIN2</pre> <p>or</p> <pre>Latin1_General_CS_AS</pre>

Field	Description	Importance
Database compatibility level	<p>A compatibility level that is less than 100 is not supported in SYSPRO 8, therefore the SYSPRO 8 Readiness Check verifies the compatibility level of your SQL database.</p> <p>If the compatibility level for the database is found to be less than 100 then the following error is shown:</p> <pre>Database compatibility level The compatibility level of 'nn' is not supported in SYSPRO 8.</pre> <p> For further information regarding compatibility levels: Understanding SQL Server Compatibility Levels</p>	<p>Critical</p> <p>Requires addressing prior to conversion.</p> <p>You can change the compatibility level on a database by using either of the following methods:</p> <ul style="list-style-type: none"> ▪ SQL Server Management Studio (SSMS) ▪ Using Transact-SQL script <p>For detailed information on how to do this using either method: View or Change the Compatibility Level of a Database</p>

Field	Description	Importance
<p>Custom programs</p>	<p>The SYSPRO 8 Readiness Check reviews the following areas to establish whether any custom COBOL programs are called:</p> <p> Custom COBOL programs are those that are not defined in <code>IMPPRG.IMP</code> as a standard SYSPRO program.</p> <ul style="list-style-type: none"> ▪ Electronic Signatures ▪ Events ▪ Task Items ▪ Triggers ▪ Workflows <p>If any are found the following warning message is displayed, along with details as to where they are defined:</p> <pre>Custom programs</pre> <p>Custom programs are in use. Please ensure that a compatible version is available before converting to SYSPRO 8.</p>	<p>Critical</p> <p>Requires addressing prior to conversion.</p> <p>Please speak to your third party vendor to ensure that there is a version of the software which is compatible with SYSPRO 8.</p>



www.syspro.com

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

