TIBCO iProcess® Server Objects (.NET)

Installation

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Installing/Upgrading TIBCO iProcess® Server Objects (.NET)

This chapter explains how to install or upgrade TIBCO iProcess® Server Objects (.NET).

System Requirements

The following sections list system requirements for the TIBCO iProcess Server Objects (.NET).

Microsoft .NET Framework

To develop client applications using TIBCO iProcess Server Objects (.NET), you must have the **Microsoft .NET Framework 4.x** installed on your system. The Framework consists of two primary components:

- **Redistribution Package** - This package includes everything needed to run applications that have been developed using the .NET Framework.
- **SDK** - This includes everything developers need to write, build, test, and deploy .NET Framework applications. It includes documentation, samples, and command-line tools and compilers.

Installing multiple versions of Visual Studio results in multiple versions of Microsoft .NET Framework being on your system.

If you install the Redistribution Package and the SDK, you must install the Redistribution Package first.

For runtime-only purposes, you only need the Redistribution Package, not the SDK.

For more information and downloads of the Microsoft .NET Framework, see the Microsoft website.

Note: Also see the *Compatibility* section in the *TIBCO iProcess Server Objects (.NET) Release Notes* for information about .NET compatibility with standalone applications that reference iProcess Server Objects (.NET) libraries.

Microsoft Visual C++ Redistributable Package

TIBCO iProcess Server Objects (.NET) was built with, and requires, the Microsoft Visual C++ 2017 Redistributable Package. Therefore, you must have the Microsoft Visual C++ 2017 Redistributable Package on Windows runtime machines that will be running applications developed with TIBCO iProcess Server Objects (.NET) (i.e., the machine that contains the TIBCO iProcess Server Objects (.NET) DLLs).

This redistributable package is required on your runtime machine regardless of the version of Microsoft Visual Studio used to develop your application.

The Microsoft Visual C++ 2017 Redistributable Package is not installed by default (although it is included when Microsoft Visual Studio 2017 is installed). You can determine if you have it installed on your machine by looking for "Microsoft Visual C++ 2017 Redistributable" in Add/Remove Programs.

Installing Managed Code in GAC

If your policy is to install managed code in the Global Assembly Cache (GAC), add the `ssoDotNet.dll`, `ssoDotNetV.dll`, and `ssoDotNetXML.dll` to the GAC. However, the `icudt64.dll` and `icuuc64.dll` files contain unmanaged code — these should not be installed in the GAC — they need to be in a directory that is in the Windows path (e.g., System32). (The icu DLLs could also be installed in the side-by-side cache (WinSxS), if desired — this is the GAC equivalent for unmanaged code.)

Installation Procedure

To perform an installation or upgrade[1] of TIBCO iProcess Server Objects (.NET), follow these steps:

Procedure

1. Run the **Setup.exe** from the installer.

   The TIBCO iProcess Server Objects (.NET) splash screen is displayed.

> **Note:** If the **Setup** program detects that you already have the version installed that you are attempting to install, it displays a **Repair/Remove** dialog box. This dialog can be used to either repair corrupted files or remove the TIBCO iProcess Server Objects (.NET) installation. For more information, see Repairing/Removing Using the Setup Program.

2. Review the information in the TIBCO iProcess Server Objects (.NET) splash screen, then click **Next**. The **TIBCO End User License Agreement** is displayed.
3. Read the license agreement. To continue with the installation, click **I Agree** to accept the agreement, then click **Next**.

   If you do not agree with the license agreement, you can cancel the installation by clicking **Cancel**.

   The **Select Installation Folder** dialog box is displayed.
4. Specify the **destination folder** where you want to install/upgrade the TIBCO iProcess Server Objects (.NET) files.

   Following is the default destination directory of TIBCO iProcess Server Objects (.NET):

   ```
   C:\Program Files\TIBCO\TIBCO iProcess Server Objects (.NET x64)
   ```

   To choose a directory different than the default, either type in the desired path or click **Browse** to select the directory.

   You can also click the **Disk Cost** button to determine the required and available disk space.

[1] If you are upgrading to version 11.9.0 of TIBCO iProcess Server Objects (.NET) from a previous version, you must uninstall the previous version before installing version 11.9.0. For more information about uninstalling, see Repairing/Removing TIBCO iProcess® Server Objects (.NET).

Also note that if you have administrator privileges, the **Everyone** and **Just me** radio buttons are also displayed. These buttons specify who can see and access TIBCO iProcess Server Objects (.NET) from **Control Panel Add/Remove Programs**. Select as desired.

5. Click **Next**. The **Confirm Installation** window is displayed.
6. Click **Next** to begin the installation. The TIBCO iProcess Server Objects (.NET) files are copied to the installation directory. The **Installation Complete** window is displayed when the installation is finished.
7. Click **Close** to complete the installation.

   For more information about the files and directories that are added to your system, see Installed Files.

Installed Files

The following files and directories are installed by the TIBCO iProcess Server Objects (.NET) installation program:

File/Directory	Description
icudt64.dll[1]	Data table used for Unicode support.
icuuc64.dll1	Unicode converter used to convert from Unicode to other character sets.
ssoDotNet.dll1	This file contains the classes for creating Server Objects.
ssoDotNetV.dll1	This file contains the classes for creating the Value Objects.
ssoDotNetXML.dll1	This file contains the classes for the XML interface.
\Help	This directory contains the HTML-based on-line help. The **start.htm** file is used to start the help system.
\License	This directory contains the TIBCO license agreement.

[1]Note that all of the assemblies are strongly named.

File/Directory	Description
\xml	This directory contains an XML schema file (**schema1.xsd**) that describes the structure of the TIBCO iProcess Server Objects (.NET) XML interface. This file is used internally by the TIBCO iProcess Workspace (Browser) Action Processor, although it could be used by someone who wants to program directly to the XML interface.

Repairing/Removing TIBCO iProcess® Server Objects (.NET)

This chapter explains how to repair and/or remove TIBCO iProcess® Server Objects (.NET) from your system.

Introduction

There are two methods of removing TIBCO iProcess Server Objects (.NET):

- Using the **Setup** program that was used to install TIBCO iProcess Server Objects (.NET). This method also allows you to "repair" the product if it has become corrupted.

  For more information, see Repairing/Removing Using the Setup Program.

- Using the **Add/Remove Programs** facility in Windows.

  For more information, see Removing Using Add/Remove Programs.

Repairing/Removing Using the Setup Program

The TIBCO iProcess Server Objects (.NET) **Setup** program has the capability to either:

- repair an existing installation if the TIBCO iProcess Server Objects (.NET) files have become corrupted in some way, or
- remove the existing installation.

To accomplish this, you must run the **Setup** program for the same version of TIBCO iProcess Server Objects (.NET) that you already have installed.

To repair/remove an existing version of TIBCO iProcess Server Objects (.NET), perform these steps:

Procedure

1. Run the **Setup.exe** from the installer.

   The TIBCO iProcess Server Objects (.NET) installation program detects that you already have that version installed.

2. Click the appropriate radio button, as follows, then click **Finish**.

   — The “Repair” option causes corrupted files to be replaced.

   — The "Remove" option causes the TIBCO iProcess Server Objects (.NET) files to be removed from your system.

   The **Installation Complete** window is displayed when the repair/remove operation is finished.

3. Click **Close** to complete the repair/remove operation.

Removing Using Add/Remove Programs

Note: There is an anomaly in Windows that causes multiple entries for TIBCO iProcess Server Objects (.NET) in the Control Panel Add/Remove Programs if you have installed a newer version of TIBCO iProcess Server Objects (.NET) to the same directory. When installing a newer version to the same directory, the older version is overwritten by the newer version. However, entries for both versions remain in Add/Remove Programs. To remove TIBCO iProcess Server Objects (.NET) in this situation, you must remove both versions using Add/Remove Programs.

To remove TIBCO iProcess Server Objects (.NET), follow these steps:

Procedure

1. From **Control Panel**, choose **Add/Remove Programs**.
2. From the list of currently installed programs, select **TIBCO iProcess Server Objects (.NET) Version nnn**, then click **Remove**.
3. Confirm that you want to remove the program.

All TIBCO iProcess Server Objects (.NET) files and directories will be removed from your system. However, if the remove program detects files in the TIBCO iProcess Server Objects (.NET) installation directory that were not added by TIBCO iProcess Server Objects (.NET), it will not remove those files nor the directory. It will only remove the TIBCO iProcess Server Objects (.NET)-related files.

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, and join TIBCO Community.

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the Product Documentation website, mainly in HTML and PDF formats.

The Product Documentation website is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

The following documentation for this product is available on the TIBCO iProcess® Server Objects (.NET) Product Documentation page.

How to Contact Support for TIBCO Products

You can contact the Support team in the following ways:

- To access the Support Knowledge Base and getting personalized content about products you are interested in, visit our product Support website.
- To create a Support case, you must have a valid maintenance or support contract with a Cloud Software Group entity. You also need a username and password to log in to the product Support website. If you do not have a username, you can request one by clicking **Register** on the website.

How to Join TIBCO Community

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