

TIBCO iProcess™ Workspace Lite

Installation

*Software Release 1.2
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Preface

This installation guide provides instructions on how to install, upgrade, or remove the TIBCO iProcess Workspace Lite application.

Topics

- [Related Documentation, page vi](#)
- [How to Contact TIBCO Support, page vii](#)

Related Documentation

This section lists documentation resources you may find useful.

TIBCO iProcess Workspace Lite Documentation

The following documents comprise the TIBCO iProcess Workspace Lite documentation set:

- *TIBCO iProcess Workspace Lite Installation Guide* - Read this manual for information about installing TIBCO iProcess Workspace Lite.
- *TIBCO iProcess Workspace Lite Release Notes* - Read the release notes for a list of new and changed features. This document also contains lists of known issues and closed issues for each release.
- *TIBCO iProcess Workspace Lite User's Guide* - Read this manual for instructions on using the iProcess Workspace Lite application.
- *TIBCO iProcess Workspace Lite Customization Guide* - This manual provides information about customizing iProcess Workspace Lite.

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, please contact TIBCO Support as follows.

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

<http://www.tibco.com/services/support>

- If you already have a valid maintenance or support contract, visit this site:

<https://support.tibco.com>

Entry to this site requires a user name and password. If you do not have a user name, you can request one.

Chapter 1 **Introduction**

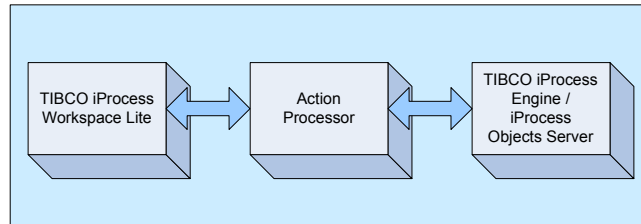
This chapter contains information which you should read before you install or upgrade TIBCO iProcess Workspace Lite.

Topics

- [Installation Overview, page 2](#)
- [System Requirements, page 3](#)
- [Installation Modes, page 6](#)

Installation Overview

The following illustration shows a high-level view of a TIBCO iProcess Workspace Lite installation:



This guide describes installing the TIBCO iProcess Workspace Lite application. You must also separately install an Action Processor, as well as a TIBCO iProcess Engine / iProcess Objects Server (which are installed together).

The TIBCO iProcess Workspace Lite application makes requests to the Action Processor, which in turn makes calls to the TIBCO iProcess Engine / iProcess Objects Server to get data or perform a function (e.g., open a work item or start a case).

TIBCO iProcess Workspace Lite and the Action Processor must be hosted on an application Server. For more information, see [Application Server on page 4](#).

The TIBCO iProcess Workspace Lite application can be installed on any of the platforms listed in [System Requirements on page 3](#), but it must be accessed via a browser. For more information, see [Browser on page 3](#).

System Requirements

The following lists system requirements for the TIBCO iProcess Workspace Lite:

Description	Requirement
Operating Systems	<p>TIBCO iProcess Workspace Lite can be installed on, and hosted from, any of the following operating systems — once installed, the application can be run from any Windows operating system via one of the supported browsers listed below in this table.</p> <ul style="list-style-type: none">• x86 and x64:<ul style="list-style-type: none">— Microsoft Windows Server 2003— Microsoft Windows Server 2008— Microsoft Windows 7 Professional— Red Hat Enterprise Linux, Version 4 and 5— SUSE Linux Enterprise Server 10 and 11
Browser	<p>The following are the supported browsers for use with TIBCO iProcess Workspace Lite:</p> <ul style="list-style-type: none">• Microsoft Internet Explorer version 7 and 8• Mozilla Firefox 3.0, 3.5, and 3.6
Action Processor	<p>You must have a version 11.1 or newer TIBCO iProcess Workspace (Browser) Action Processor installed. To install an Action Processor, you must run the TIBCO iProcess Workspace (Browser) installer. For more information, see the <i>TIBCO iProcess Workspace (Browser) Installation Guide</i>.</p> <p>During the installation of the TIBCO iProcess Workspace Lite application, you are asked for the URL to the Action Processor, so that the application can send it requests.</p> <p>You can use either a Java or .NET Action Processor.</p>

Description	Requirement
TIBCO iProcess Engine / TIBCO iProcess Objects Server	<p>You must have version 10.6.1 or newer of the TIBCO iProcess Engine / TIBCO iProcess Objects Server running to be able to use TIBCO iProcess Workspace Lite . (The iProcess Engine and iProcess Objects Server are installed together with a single installer.) For more information, see the <i>TIBCO iProcess Engine Installation Guide</i>.</p> <p>During the installation of the TIBCO iProcess Workspace Lite application, you are asked for information about the iProcess Engine / Server (e.g., node name, IP address, TCP port, etc.).</p>
Application Server	<p>The TIBCO iProcess Workspace Lite application must be hosted in an application server.</p> <p>The installation procedure beginning on page 8 uses Tomcat as an example application server, but other application servers can be used as well. Note, however, if you are using a different application server, modify the procedure accordingly (e.g., the target installation directory).</p>
Character Set	<p>TIBCO iProcess Workspace Lite always uses the UTF-8 character set. Because of this, you must ensure that your application server is also set to UTF-8.</p> <p>For more information, see Character Encoding on page 4.</p>

Character Encoding

You must ensure that your application server is set to use UTF-8, otherwise data displayed by TIBCO iProcess Workspace Lite will not be properly encoded.

The following describes the process of specifying UTF-8 when using Tomcat. If you are using a different application server, refer to that application server’s documentation.

In Tomcat, UTF-8 is specified by setting the **URIEncoding** attribute in Tomcat’s `server.xml` file to “UTF-8”. The **URIEncoding** attribute must be located in the `<Connector>` element.

Note that the **URIEncoding** attribute is not in the `server.xml` file by default; you must add it to specify UTF-8.

To do this:

1. Locate the **<Connector>** element in the following configuration file:

`TomcatDir\conf\server.xml`

where *TomcatDir* is the directory in which Tomcat is installed.

2. Add a **URIEncoding** attribute (if not already there) and set it to "UTF-8". See the following example:

```
<Connector port="7979"
           URIEncoding="UTF-8"
           protocol="HTTP/1.1"
           connectionTimeout="20000"
           redirectPort="8443" />
```

You must restart Tomcat for the change to take effect.

Installation Modes

The TIBCO iProcess Workspace Lite can be installed using the following installation modes:

- **GUI Mode** - The GUI (graphical user interface) mode causes the installer to present dialogs that allow you to make choices about product selection, product location, and so on.

For information about installing in GUI mode, see [Using the GUI Installer on page 7](#).

- **Console Mode** - Console mode allows you to run the installer from the command prompt or terminal window. This is useful if your machine does not have a Windows environment.

For information about installing in Console mode, see [Using the Console Installer on page 17](#).

Chapter 2 **Using the GUI Installer**

This chapter describes how to install or upgrade the TIBCO iProcess Workspace Lite software using the graphical user interface (GUI).

Topics

- [Installation/Upgrade Procedure, page 8](#)

Installation/Upgrade Procedure

The following steps describe installing/upgrading TIBCO iProcess Workspace Lite using the graphical user interface (GUI).

1. If installing on a Windows system, log in as a user with administrative privileges. If installing on a UNIX system, log in as any user — you do not need to be the root user.
2. Stop your application server.
3. Run the TIBCO Universal Installer to install iProcess Workspace Lite. It is named as follows:

On Windows:

`TIBCOUniversalInstaller.exe`

On Linux:

`TIBCOUniversalInstaller-lnx-x86.bin`

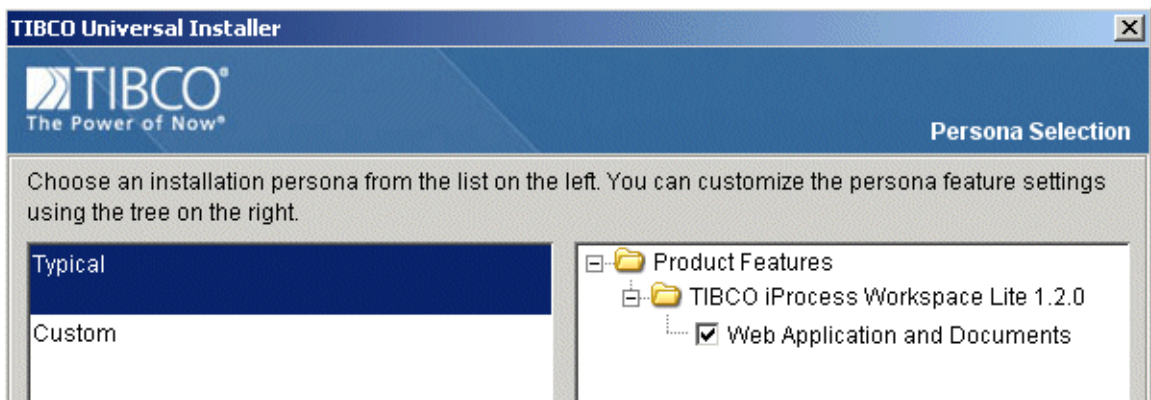
4. Review the information in the **Welcome** dialog, then click **Next**.

The **TIBCO Software Inc. End User License Agreement** is displayed.

5. Read the license agreement, and respond by clicking in the **I accept...** radio button to accept the agreement, or in the **I do not accept...** radio button to cancel the installation, then click **Next**.

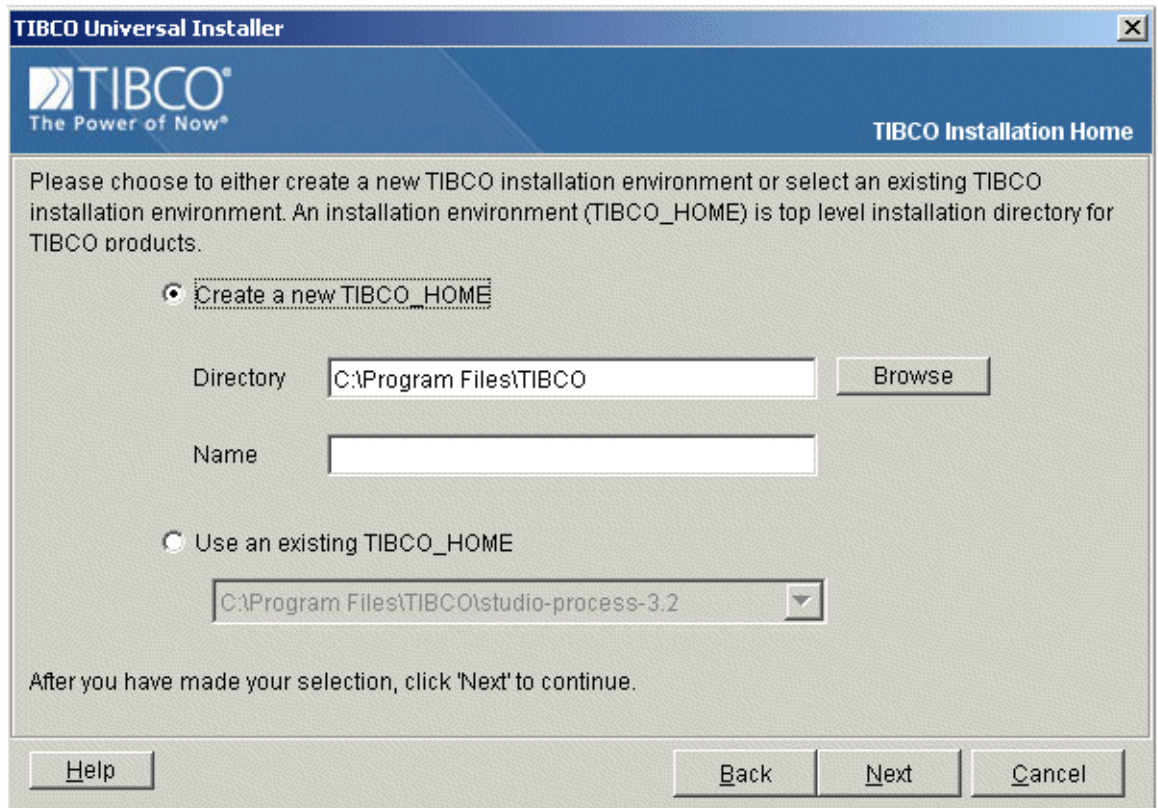
If you clicked the **I do not accept...** radio button, the installer exits.

If you clicked the **I accept...** radio button, the **Persona Selection** dialog is displayed:



6. Because this release of TIBCO iProcess Workspace Lite does not include multiple product features (the only feature is "Web Application and Documents"), leave **Typical** selected on the **Persona Selection** dialog and click **Next**.

The **TIBCO Installation Home** dialog is displayed:



TIBCO Universal Installer

TIBCO
The Power of Now®

TIBCO Installation Home

Please choose to either create a new TIBCO installation environment or select an existing TIBCO installation environment. An installation environment (TIBCO_HOME) is top level installation directory for TIBCO products.

☒ **Create a new TIBCO_HOME**

Directory:

Name:

☐ **Use an existing TIBCO_HOME**

After you have made your selection, click 'Next' to continue.

The TIBCO Universal Installer allows you to install TIBCO software in multiple *environments*, which basically establishes multiple base directories under which TIBCO software can be installed.

If this is the first TIBCO software that has been installed on this system, the fields on this dialog will be blank (except for the **Directory** field, which will contain a default value of "C:\Program Files\TIBCO").

If TIBCO software had previously been installed on this system, the installation directories in which that software had been installed are available in the **Use an existing TIBCO_HOME** drop-down list. Select that radio button to see the list.

7. Select an installation home directory for this installation of TIBCO iProcess Workspace Lite, as follows:
 - To install in one of the previously used installation directories, select the **Use an existing TIBCO_HOME** radio button, then choose one of the directories in the drop-down list.
 - To install in a directory that had not been installed in before, select the **Create a new TIBCO_HOME** radio button, then either enter the desired path in the **Directory** field or click **Browse** and browse to the desired directory. The directory path you enter in the **Directory** field does not have to already exist. Then enter a name for the new environment in the **Name** field; this is used to uniquely identify the TIBCO installation environment.

The TIBCO iProcess Workspace Lite product is installed in the following subdirectory of the specified installation directory:

InstallDir\workspace-lite\Version

where *InstallDir* is the directory specified in the **Directory** field or selected from the drop-down list, and *Version* is the version number of the software you are installing.

The **Pre-Install Summary** dialog is displayed.

8. Review the information on the **Pre-Install Summary** dialog, then click **Install**.

The following dialog is displayed:

TIBCO Workspace Lite

Please specify the iProcess Objects Server configuration.

iProcess Node Name:

Computer Name:

IP Address or Host Name:

TCP Port:

Action Processor URL:

Director:

Web Applications Directory:

This dialog is used to specify information about the TIBCO iProcess Objects Server that the user can log into after starting the iProcess Workspace Lite application, as well as the Action Processor to which the iProcess Workspace Lite application will connect.

9. Specify the configuration information as described below, then click **Next**.
 - **iProcess Node Name:** This is the name of the iProcess Objects Server that the user of iProcess Workspace Lite will log into. (This is the “nodename” that is assigned to the iProcess Engine /Server when it is installed.)
 - **Computer Name:** The name of the machine on which the iProcess Objects Server is installed.
 - **IP Address or Host Name:** The IP address of the machine on which the iProcess Objects Server is installed. You can enter the name of the host machine in this field, as long as that name resolves to the IP address of the machine where the iProcess Objects Server is running. Note, however, that

this name must be able to be resolved by the machine on which the Action Processor is running.

- **TCP Port:** The TCP port number used by the iProcess Objects Server to communicate with clients.

Note that the iProcess Objects Server must be configured to use a static TCP port, so that that port number can be specified here — it cannot be configured to use a dynamic port. For information about configuring the TCP port on the iProcess Objects Server, see the *TIBCO iProcess Objects Server Administrator's Guide*.

- **Action Processor URL:** This is the URL to the Action Processor to which you want the iProcess Workspace Lite application to connect when it is started. This entry must be in the form:

`http://Host:Port/APDir/ActionProcessor.ext`

where:

Host is the name of the machine hosting the Action Processor. (Note that if you are hosting both the iProcess Workspace Lite application and the Action Processor on the same machine, and they are both being hosted by Tomcat, you can specify *Host* as “localhost”.)

Port is the port number used by the application server that is hosting the Action Processor to communicate with web applications.

APDir is the directory on *Host* in which the Action Processor is installed.

ext is the file name extension. This is “servlet” (for Java servlet) if you are connecting to a Java Action Processor, or “aspx” (for .NET ASP web application) if you are connecting to a .NET Action Processor.

- **Director:** Specifies whether or not the previous entries actually describe a TIBCO iProcess Objects *Director*, which is used to connect the client to a server). Select “true” if the specifications are for a Director, or “false” if a TIBCO iProcess Objects Director is not being used.
- **Web Applications Directory:** This is the directory in which web application WAR files are installed; this directory depends on the specific application server you are using.

For example, if you are using Tomcat, this directory might be:

`C:\Tomcat 6.0\webapps`

When your application server is started, it will extract the files from the WAR file and place them in an \ipe\web directory.

After all files are installed, the **Post Install Summary** dialog is displayed.

10. Click **Finish** to close the installer.

For information about invoking the iProcess Workspace Lite application after installing it, see [Accessing the iProcess Workspace Lite Application on page 16](#).

Post-Installation Requirement for v3.2 Business Studio-Produced Forms

[This section is applicable only if you are using TIBCO Business Studio Forms (also known as TIBCO Forms) that were produced with TIBCO Business Studio version 3.2.]

To be able to deploy TIBCO Business Studio 3.2-created forms (both default and custom) for use with iProcess Workspace Lite, it is necessary to patch the TIBCO Business Studio 3.2 installation with an XSLT file.

Instructions for applying the patch are as follows:

1. Locate the file named `Form2WorkspaceLiteForm.xslt` that is embedded in the TIBCO iProcess Workspace Lite web application in the following location:

```
http://host:port/ipe-web/Forms/studio-3.2-patch/  
Form2WorkspaceLiteForm.xslt
```

2. Copy `Form2WorkspaceLiteForm.xslt`, overwriting any version that may already exist, to the following location in your TIBCO Business Studio 3.2 installation:

```
INSTALL_DIR\studio\3.2\studio-addins\eclipse\plugins\  
com.tibco.xpd.ipe.workspacelite.builder_3.2.0.xyz\xslts\
```

3. Restart TIBCO Business Studio 3.2.
4. Perform a Project Clean (Project > Clean) to ensure that the updated forms are generated.

Chapter 3

Accessing the Client Application

This chapter describes how to access the client application after installing TIBCO iProcess Workspace Lite.

Topics

- [Accessing the iProcess Workspace Lite Application, page 16](#)

Accessing the iProcess Workspace Lite Application

When the installation of iProcess Workspace Lite is complete, you can access the application as follows:

1. Ensure the iProcess Engine and iProcess Objects Server are running.
2. Start the application server on which the Action Processor is being hosted.
3. Start the application server on which the iProcess Workspace Lite application is being hosted.

If this is the first time you have started the application server after installing iProcess Workspace Lite, the server will extract the files from the WAR file that was installed, and place them in an `\ipe-web\` directory.

4. Point your browser to the following location:

`http://Host:Port/ipe-web`

where:

- *Host* is the machine name on which iProcess Workspace Lite is being hosted.
- *Port* is the port number used by the application server to communicate with web applications.

For example:

`http://Corp_Server:8090/ipe-web`

Chapter 4 **Using the Console Installer**

This chapter describes how to install the TIBCO iProcess Workspace Lite using console mode.

Topics

- [Installing Using Console Mode, page 18](#)

Installing Using Console Mode

Console mode allows you to install the TIBCO iProcess Workspace Lite from a non-Windows environment. This mode presents a series of prompts that request the same information that you would enter on the dialogs presented in the GUI installation mode.

The basic command to run a console installation is:

```
<Installer> -console
```

where *<Installer>* is either `TIBCOUniversalInstaller.exe` (on Windows) or `TIBCOUniversalInstaller-lnx-x86.bin` (on Linux).

To perform a console mode installation, follow these steps:

1. Enter the TIBCO iProcess Workspace Lite setup program name at a command prompt or in a terminal window, followed by the `-console` switch.

For example:

```
TIBCOUniversalInstaller.exe -console
```

2. Respond to each of the prompts as required.

Generally, the prompts in console mode expect you to enter a number to indicate your selection, then press **Enter** to submit that entry. Then you must enter a **0** (zero) and press **Enter** to finish that prompt and proceed to the next prompt.

If a value is shown in square brackets at the end of the prompt (for example, `[0]`), it signifies a default. Pressing **Enter** submits that value.

For additional information about possible responses to the prompts, refer to the chapter about the GUI installation on [page 7](#).

Chapter 5

Uninstalling TIBCO iProcess Workspace Lite

This chapter describes how to uninstall iProcess Workspace Lite using the TIBCO Universal Installer/Uninstaller.

Topics

- [Uninstalling TIBCO iProcess Workspace Lite, page 20](#)

Uninstalling TIBCO iProcess Workspace Lite

The TIBCO Universal Installer/Uninstaller is used to uninstall the iProcess Workspace Lite application.

Uninstall Procedure (Windows)

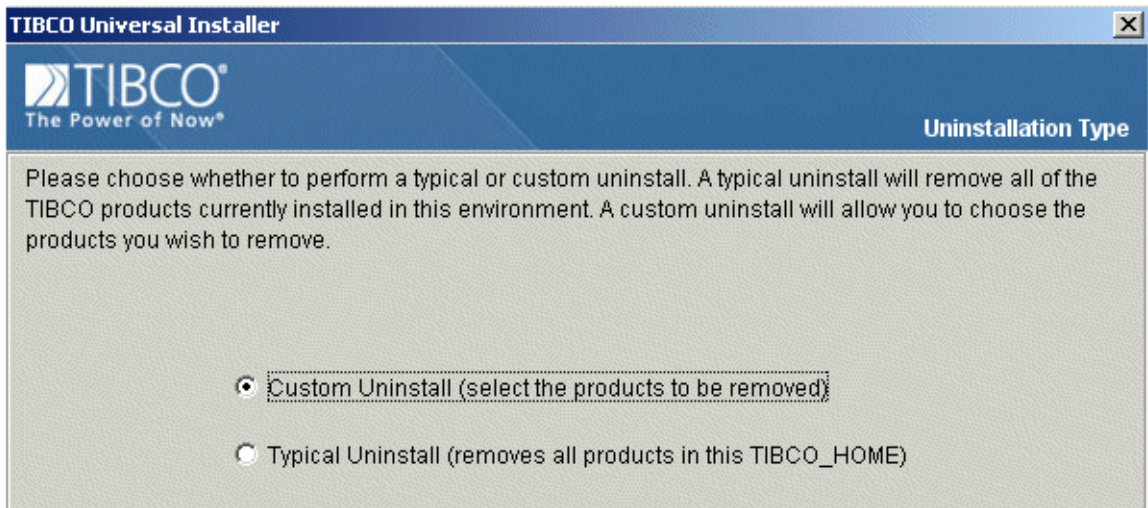
To uninstall TIBCO iProcess Workspace Lite from a Windows system, following steps:

1. Log in as an Administrator.
2. Start the Universal Installer/Uninstaller in one of the following ways:
 - from the **Start** button, select **Programs > TIBCO > Universal Uninstaller**, or
 - from the Control Panel, select **Add or Remove Programs**, then select **TIBCO Universal Installer**, then click **Change/Remove** (note that even though it appears that you are selecting to remove the TIBCO Universal Installer, this method actually starts the "TIBCO Universal Uninstaller").

The **Welcome to the Universal Uninstaller** dialog is displayed.

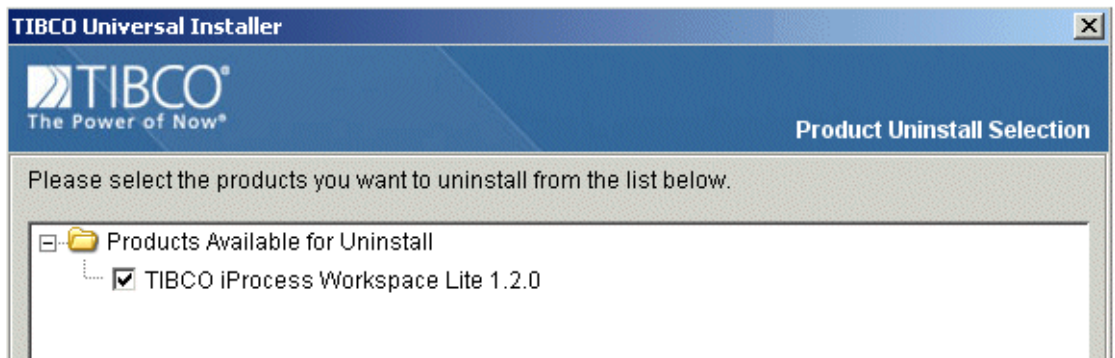
3. Review the information on the Welcome dialog, then click **Next**.

The **Uninstall Type** dialog is displayed:



This dialog gives you the option of the following types of uninstalls:

- **Custom Uninstall:** Allows you to pick the product(s) to uninstall among all of the TIBCO products that are currently installed on your system that were installed using the Universal Installer.
 - **Typical Uninstall:** Uninstalls *all* TIBCO products that are currently installed on your system that were installed using the Universal Installer.
4. Select either **Custom Uninstall** or **Typical Uninstall**, then click **Next**.
 - If you chose "Typical", proceed to [step 6](#).
 - If you chose "Custom", a dialog similar to the following is displayed:



This dialog will list all TIBCO products that were installed using the Universal Installer (note that there are TIBCO products that are not using the Universal Installer yet, therefore you may have TIBCO products installed on your system that don't appear in this list).

5. To uninstall only TIBCO iProcess Workspace Lite, uncheck all other check boxes, then click **Next**.

The **Pre Uninstall Summary** dialog is displayed.

6. Review the **Pre Uninstall Summary**, then click **Uninstall**.

When the uninstall is complete, the **Post Uninstall Summary** is displayed.

7. Review the information on the **Post Uninstall Summary**, then click **Finish** to complete the uninstall.

Uninstall Procedure (UNIX)

To uninstall TIBCO iProcess Workspace Lite from a UNIX system, following steps:

1. Log in as the root user.
2. Run the following uninstall program:

```
InstallHomeDir/_uninst/Tibuninstall.bin
```

where *InstallHomeDir* is the directory in which iProcess Workspace Lite was originally installed. This defaults to `/opt/tibco`, but can be specified as a different directory when iProcess Workspace Lite is installed.

The **Welcome** window is displayed.

3. Click **Next**.

The **Component Selection** dialog is displayed.

4. Ensure the check boxes are checked for the components you want to uninstall, then click **Next**.

The **Uninstall Preview** window is displayed.

5. Review the information about the uninstall, then click **Next**.

When the uninstall is complete, the **Uninstallation Summary** dialog is displayed.

6. Click **Finish** to complete the uninstall.