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Installation Guide

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Installation
Prerequisites

Before you install Orbix, check the system requirements, and familiarize yourself with the steps involved in installing the product.

In this chapter

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CHAPTER 1 | Installation Prerequisites

Before You Begin

See the Release Notes

Before installing, visit the documentation web page at:
http://communities.progress.com/pcom/docs/DOC-105215, and read the Release Notes to check for updates to this Installation Guide.

OS/compiler patch levels

Customers can use the stated minimum base levels for OS/compiler vendor patches that work with Orbix. It is the usual practice of the OS/compiler vendors that later patches are binary compatible with earlier patches.

If for any reason you need to use higher patch levels, please confirm with the OS/compiler vendor that the patches are fully backward compatible with the set required by the Orbix product.

Migration

For detailed information on migrating from Orbix Application Server Platform 6.0, 5.1, 5.0, Orbix 2000, and Orbix 3.3 to Orbix 6.3, please refer to the migration guides on the documentation web page at:
http://communities.progress.com/pcom/docs/DOC-105215

For details on migrating from previous versions of Orbix 6.3, see the Release Notes.

Windows compiler names

Table 1 shows the translation between Microsoft Windows VC and Visual Studio compiler names used in this guide. It also shows the version output by Microsoft C/C++ Compiler Driver (cl.exe).

Table 1: Microsoft VC and Visual Studio Names

<table>
<thead>
<tr>
<th>VC Name</th>
<th>Visual Studio Edition</th>
<th>Version Output by cl.exe</th>
</tr>
</thead>
<tbody>
<tr>
<td>VC9</td>
<td>Visual Studio 2008</td>
<td>15.x.x</td>
</tr>
<tr>
<td>VC10</td>
<td>Visual Studio 2010</td>
<td>16.x.x</td>
</tr>
</tbody>
</table>
# Operating Requirements

## Prerequisites

For the latest information on supported platforms and compilers, see the [Orbix Supported Platforms page](#).

## Java

The following issues apply to Java:

- If you want to use the IONA Administrator Web Console, you must have a JDK installed—a JRE is not sufficient.

## Windows

The following Windows System32 Visual C++ Runtime DLLs are required by the Orbix runtime:

- `msvcr90.dll`
- `msvcp90.dll`
- `msvcr100.dll`
- `msvcp100.dll`

These DLLs are available for download from Microsoft.
Disk Space Requirements

Table 2 lists the approximate amount of disk space (in MB) required to install Orbix 6.3.

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<th></th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>AIX (32-bit)</td>
<td>251</td>
<td>-</td>
<td>323</td>
<td>251</td>
<td>-</td>
<td>323</td>
</tr>
<tr>
<td>AIX (64-bit)</td>
<td>-</td>
<td>322</td>
<td>391</td>
<td>-</td>
<td>322</td>
<td>391</td>
</tr>
<tr>
<td>HP-UX (Itanium)</td>
<td>410</td>
<td>658</td>
<td>851</td>
<td>410</td>
<td>658</td>
<td>851</td>
</tr>
<tr>
<td>HP-UX (PA-RISC)</td>
<td>485</td>
<td>-</td>
<td>852</td>
<td>485</td>
<td>-</td>
<td>852</td>
</tr>
<tr>
<td>Linux AS 4 (gcc 34)</td>
<td>152</td>
<td>270</td>
<td>318</td>
<td>152</td>
<td>270</td>
<td>318</td>
</tr>
<tr>
<td>Solaris (SPARC)</td>
<td>174</td>
<td>302</td>
<td>374</td>
<td>174</td>
<td>302</td>
<td>374</td>
</tr>
<tr>
<td>Solaris 10 (x86, x64)</td>
<td>178</td>
<td>340</td>
<td>414</td>
<td>178</td>
<td>340</td>
<td>414</td>
</tr>
<tr>
<td>Windows 32-bit (VC9)</td>
<td>112</td>
<td>-</td>
<td>174</td>
<td>112</td>
<td>-</td>
<td>174</td>
</tr>
<tr>
<td>Windows 64-bit (VC8)</td>
<td>-</td>
<td>133</td>
<td>194</td>
<td>-</td>
<td>133</td>
<td>194</td>
</tr>
<tr>
<td>Windows 64-bit (VC9)</td>
<td>-</td>
<td>117</td>
<td>177</td>
<td>-</td>
<td>117</td>
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</table>
### Disk Space Requirements

**Table 2: Disk Space Requirements**

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</thead>
<tbody>
<tr>
<td>Windows 32-bit (VC10)</td>
<td>112</td>
<td>-</td>
<td>170</td>
<td>113</td>
<td>-</td>
<td>170</td>
</tr>
<tr>
<td>Windows 64-bit (VC10)</td>
<td>-</td>
<td>110</td>
<td>169</td>
<td>-</td>
<td>110</td>
<td>169</td>
</tr>
</tbody>
</table>

**Note:** You also need an extra 10 MB for temporary work space in %TEMP% on Windows, and an extra 5 MB in /tmp on UNIX.

If the required space is not available on /tmp, you can set a different partition for use by InstallAnywhere by setting the environment variable `IATEMPDIR` to point to this partition, for example: `IATEMPDIR=/local2;export IATEMPDIR.`
CHAPTER 1 | Installation Prerequisites
CHAPTER 2

Installing Orbix

Before you install Orbix 6.3, check the system requirements and familiarize yourself with the steps involved in installing the product.

In this chapter

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CHAPTER 2 | Installing Orbix

Launching the Installer

Overview

This section explains how to launch the Orbix installer. It includes the following sections:

- Obtain the installer for your platform
- Before running the installer
- Running the installer
- Installing on UNIX
- Installation directory
- Screen resolution

Obtain the installer for your platform

Ensure that you have the appropriate Orbix installer for your platform. Table 3 shows the installer file names for each supported platform.

Table 3: Orbix 6.3.6 Installer Files

<table>
<thead>
<tr>
<th>Platform</th>
<th>Orbix installer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orbix 6.3.6 for AIX (32-bit)</td>
<td>PROGRESS_ORBIX_6.3.6_AIX_32.tar.gz</td>
</tr>
<tr>
<td>Orbix 6.3.6 for AIX (64-bit)</td>
<td>PROGRESS_ORBIX_6.3.6_AIX_64.tar.gz</td>
</tr>
<tr>
<td>Orbix 6.3.6 for HP-UX PA-RISC</td>
<td>PROGRESS_ORBIX_6.3.6_HPUX.tar.gz</td>
</tr>
<tr>
<td>Orbix 6.3.6 for HP-UX Itanium</td>
<td>PROGRESS_ORBIX_6.3.6_HPUX_64_IA.tar.gz</td>
</tr>
<tr>
<td>Orbix 6.3.6 for Red Hat Enterprise Linux</td>
<td>PROGRESS_ORBIX_6.3.6_LNX.tar.gz</td>
</tr>
<tr>
<td>Orbix 6.3.6 for Windows (VC9 32-bit)</td>
<td>PROGRESS_ORBIX_6.3.6_WIN_32_VC9.exe</td>
</tr>
<tr>
<td>Orbix 6.3.6 for Windows (VC10 32-bit)</td>
<td>PROGRESS_ORBIX_6.3.6_WIN_32_VC10.exe</td>
</tr>
<tr>
<td>Orbix 6.3.6 for Windows (VC9 64-bit)</td>
<td>PROGRESS_ORBIX_6.3.6_WIN_64_VC9.exe</td>
</tr>
<tr>
<td>Orbix 6.3.6 for Windows (VC10 64-bit)</td>
<td>PROGRESS_ORBIX_6.3.6_WIN_64_VC10.exe</td>
</tr>
<tr>
<td>Orbix 6.3.6 for Solaris SPARC</td>
<td>PROGRESS_ORBIX_6.3.6_SOL.tar.gz</td>
</tr>
<tr>
<td>Orbix 6.3.6 for Solaris x86</td>
<td>PROGRESS_ORBIX_6.3.6_SOL_X86.tar.gz</td>
</tr>
</tbody>
</table>
Launching the Installer

You can either download the Orbix installer, or install from a DVD. Contact technical support for details.

For full details of supported platforms and compilers, see “Operating Requirements” on page 3.

Before running the installer

For existing Orbix installations, please note the following:

• Existing installations should be backed up prior to upgrading in case of catastrophic failure (power, disk, and so on) during Orbix 6.3.6 installation.

• The Orbix 6.3.6 installer should be pointed at your existing Orbix 6.3.x directory and will automatically overwrite the existing version.

For more details on upgrading from a previous Orbix 6.3 version, see “Installing Service Packs” on page 18.

Running the installer

To run the Orbix installer file, complete the following steps:

1. Extract the installer file into a temporary directory (for example, \temp on Windows, or /tmp on UNIX).
   i. On Windows, double-click the self-extracting executable installer file, select the temporary directory in which you want to extract the files, and then click Unzip.
   ii. On UNIX, gunzip and untar the installer tarball file.

2. Run asp.exe or asp to launch InstallAnywhere.

3. Follow the instructions in “Installing with the GUI” on page 11.
Installing on UNIX

The following apply to UNIX operating systems:

- The installer is a Java application that can be run in GUI or console mode. By default, the installer runs in console mode. To run the installer in GUI mode, run the asp script as follows:
  
  ./asp -i gui

- If you are installing the product from a location other than the install DVD, copy the following items from the DVD to the same directory level:
  - The installer binary (asp) for your operating system, which is located in /dvd.
  - The channels directory for your operating system, which is located in /dvd/channels.
  - The following files: channels.list, install.xml, installer-options.xml, installer-platforms.xml, install.properties, ASP-6.3.xpd, and the /images directory for your operating system, which is located in /dvd.

  **Note:** The directory structure of the DVD must be preserved when copying the files. If it is not, then the installer fails.

Installation directory

When entering the pathname for your Orbix 6.3 installation, be sure to enter an absolute pathname, without wildcards. Do not use the ~ character in a UNIX pathname.

  **Note:** Spaces in directory paths are supported on Windows only. Spaces are not supported on UNIX platforms.

  **WARNING:** No part of Orbix should be installed on an NFS-mounted file system. All Orbix services should be run with local persistent stores.

Screen resolution

To use the Orbix 6.3 GUI, you should set your screen color depth to at least 256 colors.
Installing with the GUI

Overview
To install Orbix 6.3 on your system, run through the following screens.

Introduction
When the installer starts, an introduction screen displays information about the product.
Click Next to proceed.

License Agreement
When you have read through the License Agreement, select the I accept the terms of the License Agreement radio button, and click Next to proceed.

Choose Install Folder
Choose an install folder for Orbix 6.3 as follows:

Windows
The default install path is:
C:\Program Files\Progress

**Note:** If you are installing a 32-bit version of Orbix on Windows 64-bit, you must change the install path to C:\Program Files (x86)\... On Windows 64-bit, all 32-bit applications must use this path. 64-bit versions of Orbix can use C:\Program Files\...

The following table shows the recommended install paths:

<table>
<thead>
<tr>
<th></th>
<th>Orbix 32-bit</th>
<th>Orbix 64-bit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Install Path on</td>
<td>C:\Program Files (x86)...</td>
<td>C:\Program Files...</td>
</tr>
<tr>
<td>Win64</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Install Path on</td>
<td>C:\Program Files...</td>
<td>Not supported</td>
</tr>
<tr>
<td>Win32</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## UNIX

The default install path is:

/opt/progress/

### Note

You must have root privileges to install to the default location on UNIX.

Click **Next** to proceed.

<table>
<thead>
<tr>
<th>Choose Shortcut Location (Windows Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose a location where you want to create the Orbix 6.3 product icons.</td>
</tr>
<tr>
<td>Click <strong>Next</strong> to proceed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Choose Product Edition</th>
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</thead>
<tbody>
<tr>
<td>Choose the product edition for which you have a license. The options are:</td>
</tr>
<tr>
<td>• Standard</td>
</tr>
<tr>
<td>• Enterprise</td>
</tr>
<tr>
<td>Click <strong>Next</strong> to proceed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Development and Runtime Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>With both Standard and Enterprise, you are given the following installation options:</td>
</tr>
<tr>
<td>• <strong>Development and Runtime</strong> installs all Orbix 6.3 development and runtime components.</td>
</tr>
<tr>
<td>• <strong>Runtime Only</strong> installs Orbix 6.3 runtime components only.</td>
</tr>
<tr>
<td>• <strong>Customize Runtime</strong> installs Orbix 6.3 runtime components that you select.</td>
</tr>
<tr>
<td>Choose one and click <strong>Next</strong> to proceed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Custom Runtime Environment Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>If you select the Customize Runtime option:</td>
</tr>
<tr>
<td>• For Standard choose the runtime environment you want to install along with the standard services you want to run.</td>
</tr>
<tr>
<td>• For Enterprise choose the runtime environment you want to install along with the standard and enterprise services you want to run.</td>
</tr>
<tr>
<td>Click <strong>Next</strong> to proceed.</td>
</tr>
</tbody>
</table>

### Note

This option is deprecated and will be removed in the next release.
Installing with the GUI

Choose Java virtual machine
Under Environment Settings, you are also asked to choose a Java virtual machine for use by Orbix.
Choose one and click Next to proceed.

Set JAVA_HOME
In addition, if JAVA_HOME is not set, you are asked if you want to set it.
JAVA_HOME is required for the Orbix Configuration tool, itconfigure, to run.
If you choose not to set JAVA_HOME, you must set it manually later.
Click Next to proceed.

Environment Settings
The following option only applies to Standard and Enterprise on Windows.
You are prompted to set environment variables and must choose one of the following options:
• Set the variables for all users.
• Set the variables only for the current user.
• I will set them manually later.

Note: You must have administrator privileges to set variables for all users on Windows.
Click Next to proceed.

Pre-Installation Summary
Review the Pre-Installation Summary
• If you are satisfied with the details, click Install.
• If you want to change any of the details, click Previous.

After installing
A browser is required when the installation completes. If the installer cannot find one it times out eventually with an error. However, the installation has completed. When the installation completes and a browser is available, a Welcome Page is automatically launched. This page contains links to the Release Notes, Tutorials and Demos, and Documentation to help you get up and running quickly. To view the Welcome Page in the future, open the index.html file located in the OrbixInstallDir\asp\6.3\doc directory in a browser.
Orbix 6.3 documentation is available on the Orbix documentation web page at: http://communities.progress.com/pcom/docs/DOC-105215

The online documentation is frequently updated, so check here for the latest version of the documentation.
Installing Silently

Overview

Silent installations are installations that run without user interaction. The main advantage of this type of installation is that it allows you to automate the process of installing on more than one machine. In a normal (non-silent) installation, the installer receives necessary user input in the form of responses to questions posed in a GUI or on a console. In the case of a silent installation, you must provide this information in an installer.properties file. This section outlines how to install Orbix 6.3 silently and provides you with a sample installer.properties file. It is divided into the following subsections:

- Sample installer.properties file
- Installing silently on UNIX
- Installing silently on Windows

Sample installer.properties file

To install silently on either UNIX or Windows, you must create an installer.properties file as follows:

```
USER_INSTALL_DIR=$/$opt$/$progress
SHORTCUT_NAME=Progress Orbix
CHOSEN_INSTALL_SET=Enterprise Edition
CHOSEN_ENV=Development and Runtime
JDK_HOME=$/$usr$/$bin$/$jdk1.5
SET_ENV_VARS=I will set them manually later
INSTALLER_UI=silent
```

The contents of the installer.properties file can be explained as follows:

- **USER_INSTALL_DIR**
  Specifies the directory into which you want to install Orbix. The directory separator must be escaped and should be specified by using $ and /$. This is a prerequisite of InstallAnywhere.

- **SHORTCUT_NAME**
  Specifies the shortcut name that will be used for Orbix. This must be set to: Progress Orbix.

- **CHOSEN_INSTALL_SET**
  Specifies either:
  - Standard Edition; or
CHAPTER 2 | Installing Orbix

Note: The values shown for SHORTCUT_NAME, SET_ENV_VARS, and INSTALLER_UI must appear exactly as shown. You set the values of USER_INSTALL_DIR, CHOSEN_INSTALL_SET, CHOSEN_ENV and JDK_HOME.

Installing silently on UNIX

To install Orbix 6.3 silently on UNIX, complete the following steps:

1. Obtain the Orbix installer file (see “Obtain the installer for your platform” on page 8).
2. Extract the tar file into a temporary directory; for example, /tmp.
3. Create an installer.properties file as described in “Sample installer.properties file” on page 15.
4. If you save the installer.properties file in the same directory as the asp shell script, run the following command from that directory:
   
   asp -i silent

5. If you save the installer.properties file in a different location to the asp shell script, run the following command from that directory:
   
   asp -i silent -f "LocationOfFile"installer.properties

If you experience any problems during the installation you can view the log files located in the OrbixInstallDir/registory/logs directory of your installation or see “Troubleshooting” on page 27.
Installing silently on Windows

To install Orbix 6.3 silently on Windows, complete the following steps:

1. Obtain the Orbix installer file (see “Obtain the installer for your platform” on page 8).
2. Extract the zip file to a temporary directory; for example, \temp.
3. Create an installer.properties file as described in “Sample installer.properties file” on page 15.
4. If you save the installer.properties file in the same directory as the asp.exe file, run the following command from that directory:
   asp.exe -i silent
5. If you save the installer.properties file in a different location to the asp.exe file.
   asp.exe -i silent -f "locationOfFile"installer.properties

If you experience any problems during the installation you can view the log files located in the OrbixInstallDir\registry\logs directory of your installation or see “Troubleshooting” on page 27.
## Installing Service Packs

Orbix 6.3 service packs are released periodically. These service packs provide bug fixes and enhancements for existing installations. This section includes the following topics:

- Installation instructions with an existing Orbix 6.3 installation
- Installation instructions without an existing Orbix 6.3 installation
- Rolling back a service pack installation

### Installation instructions with an existing Orbix 6.3 installation

To install an Orbix service pack with an existing Orbix 6.3 installation, complete the following steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Download the service pack .tar.gz file or .exe file that corresponds to your operating system from the Progress ESD site.</td>
</tr>
</tbody>
</table>
| 2    | Extract the installer file into a temporary directory (for example, \\temp on Windows, or /tmp on UNIX).  
  - On Windows, double click the self-extracting executable installer file, select the temporary directory to extract to, and then click Unzip.  
  - On UNIX, gunzip and untar the installer tarball file.  
  **Note:** This temp directory should not be part of the existing Orbix 6.3 installation directory structure. |
| 3    | When updating an existing installation, the installer first backs up your existing Orbix installation into a rollback directory before installing Orbix 6.3.6.  
  The rollback directory is placed within the registry subdirectory:  
  `OrbixInstallDir\registry\rollback<NUMERIC_ID>`  
  To update an existing installation, run asp.exe or asp to launch the Orbix installer and follow the instructions in “Installing with the GUI” on page 11 or “Installing Silently” on page 15. |
Installation instructions without an existing Orbix 6.3 installation

If you do not already have Orbix 6.3 installed on your machine, the service pack installer will install it for you. You do not have to download and install Orbix 6.3 before installing the service pack.

To install Orbix 6.3 and the service pack you require, complete the following steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Download the service pack .tar.gz file or .exe file that corresponds to your operating system from the Progress ESD site.</td>
</tr>
</tbody>
</table>
| 2    | Extract the installer file into a temporary directory (for example, \temp on Windows, or /tmp on UNIX).  
- On Windows, double click the self-extracting executable installer file, select the temporary directory to extract to, and then click Unzip.  
- On UNIX, gunzip and untar the installer tarball file. |
| 3    | Run asp.exe or asp to launch InstallAnywhere.  
Follow the instructions in “Installing with the GUI” on page 11. |

**Note:** If, however, you are installing Orbix 6.3 and Orbix 6.3 Service Pack 1 in the same directory as Artix, you must install Orbix 6.3 first, followed by the service pack.

Rolling back a service pack installation

To roll back your installation to the Orbix installation that existed on your machine prior to installing this service pack, do the following steps:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
</table>
| 1    | Remove the following directories from the OrbixInstallDir directory:  
- On Windows, remove the asp, bin, lib, and registry directories.  
- On UNIX, remove the asp, shlib, lib, and registry directories. |
### Chapter 2 | Installing Orbix

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Move the contents of the OrbixInstallDir\registry\rollback&lt;NUMERIC_ID&gt; to the OrbixInstallDir\ directory.</td>
</tr>
</tbody>
</table>
Configuring your Environment

Overview
To start using Orbix 6.3, you need to configure a domain and set up the environment for Orbix 6.3. This section provides a brief overview of how to use the Orbix Configuration tool, itconfigure, to do this. It includes the following:

- Orbix 6.3 license
- Using the Orbix Configuration tool

For more detail on configuring your Orbix 6.3 environment, see the Orbix Deployment Guide.

Orbix 6.3 license
You need a valid license file to start using Orbix 6.3. An e-mail with a licenses.txt file attached is sent to you when you receive the product. You should copy this licenses.txt file to a desired location, and set the environment variable IT_LICENSE_FILE to point to the location of your licenses.txt file.

Alternatively, launch the Orbix Configuration tool and you will be prompted for the location of your license file. For more detail on licensing your Orbix 6.3 environment, see the Orbix Deployment Guide.

Using the Orbix Configuration tool
To configure Orbix 6.3 using the Orbix Configuration tool, complete the following steps:

1. Set the environment variable IT_PRODUCT_DIR to point to the location where you installed the product.
2. Change directory to the following location:
   - Windows
     OrbixInstallDir\asp\6.3\bin
   - UNIX
     OrbixInstallDir/asp/6.3/bin
3. Run itconfigure. This launches the Orbix Configuration tool.
CHAPTER 2 | Installing Orbix

4. If you have not set the environment variable IT_LICENSE_FILE before running itconfigure, the Orbix Configuration tool prompts you for the location where you saved your licenses.txt file. Click the Browse button and enter the location where you saved your licenses.txt file. Then click OK. The Orbix Configuration tool will install your licenses.txt file into the default license location; that is: OrbixInstallDir/etc/licenses.txt.

If you do not want to install the license file into the default license location, click Cancel, and set the environment variable IT_LICENSE_FILE to point to the location where your licenses.txt file is saved. Then run itconfigure again.

5. The Orbix Configuration tool prompts you for a unique domain name, a base port number to allocate the TCP/IP ports required by the services, the services you want to run, the communication protocol, as well as the number of replica servers (if any) you want to run.

   **Note:** When creating a new configuration domain, ensure that your base port number selection does not conflict with other users on your system.

6. When you have worked through all the screens, the Orbix Configuration tool creates a domain configuration file and domain environment scripts. Change directory to the location in which these scripts are created; that is:

   **Windows**
   
   OrbixInstallDir\etc\bin

   **UNIX**

   Your domain configuration scripts are created in one of the following locations, in this order:

   i. etc/opt/progress/bin if it is writable.
   ii. OrbixInstallDir/etc/bin if it is writable.
   iii. $HOME/etc/bin
7. Set the environment variables necessary for Orbix 6.3 as follows:

**Windows**

Run the following environment script:

`domain-name_env.bat`

**UNIX**

Source the following environment script:

`domain-name_env`

8. Start the Orbix services by running the `start_domain-name_services` command, which is located in `OrbixInstallDir/etc/bin/`. 
Verifying the Installation

Code examples

Orbix 6.3 is installed with a number of code examples that demonstrate the use of specific features of the product. Each code example comes with documentation that explains what the code example does and how to run it. This documentation can be accessed in the index.html file in the demos directory of your installation.

Testing a CORBA development installation

To ensure that your Orbix 6.3 development installation is fully operational, run the simple demo located in the OrbixInstallDir/asp/6.3/demos/corba/orb directory. Further details on running the simple demo can be found in the README_CXX.txt and README_JAVA.txt files in the OrbixInstallDir/asp/6.3/demos/corba/orb directory.

Running the CORBA C++ Simple demo

To run the CORBA C++ simple demo, complete the following steps:

1. In a command prompt (with the Orbix 6.3 environment set), change directory to the demos/corba/orb/simple directory as follows:

<table>
<thead>
<tr>
<th>OS</th>
<th>Type this:</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIX</td>
<td>cd OrbixInstallDir/asp/6.3/demos/corba/orb/simple</td>
</tr>
<tr>
<td>Windows</td>
<td>cd OrbixInstallDir\asp\6.3\demos\corba\orb\simple</td>
</tr>
</tbody>
</table>

2. Build the C++ programs:

<table>
<thead>
<tr>
<th>OS</th>
<th>Type this:</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIX</td>
<td>make -e</td>
</tr>
<tr>
<td>Windows</td>
<td>nmake -e</td>
</tr>
</tbody>
</table>

Note: The makefile assumes the default installation path. If you install the product elsewhere, you need to set the IT_PRODUCT_DIR environment variable to point to your installation, then use make -e (or its equivalent) to override make variables with the corresponding environment variables.
Verifying the Installation

3. Start the server:
   ```
   cd cxx_server
   server
   ```
4. Open another command prompt and start the client:
   ```
   cd cxx_client
   client
   ```
5. The client should return `Done` and then stop. The server must be stopped manually.

Running the CORBA Java Simple demo

To run the CORBA Java simple demo, complete the following steps:

1. Set `JAVA_HOME` to point to your JDK and set `JAVA_HOME/bin` in your `PATH`.
2. In a command prompt (with the Orbix 6.3 environment set), change directory to the `demos/corba/orb/simple` directory as follows:

<table>
<thead>
<tr>
<th>OS</th>
<th>Type this:</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIX</td>
<td><code>cd OrbixInstallDir/asp/6.3/demos/corba/orb/simple</code></td>
</tr>
<tr>
<td>Windows</td>
<td><code>cd OrbixInstallDir\asp\6.3\demos\corba\orb\simple</code></td>
</tr>
</tbody>
</table>

3. Build the Java programs as follows:
   ```
   itant
   ```

   **Note:** Add the following to your Java command line:
   ```
   -Djava.endorsed.dirs="<IT_PRODUCT_DIR>\lib\art\omg\1.3"
   ```

4. Start the server as follows:

   **Windows**
   ```
   java -classpath .\java\classes;"%CLASSPATH%" simple.Server
   ```
   **UNIX**
   ```
   java -classpath ./java/classes;"$CLASSPATH" simple.Server
   ```
5. Open another command prompt and start the client as follows:

**Windows**

```
java -classpath .\java\classes;*CLASSPATH* simple.Client
```

**UNIX**

```
java -classpath ./java/classes:*CLASSPATH* simple.Client
```

6. The client should return `Done` and then stop. The server must be stopped manually.

The Orbix 6.3 ORB classes are used instead of the Sun classes, by setting the following properties in the demo code:

```java
org.omg.CORBA.ORBClass=com.iona.corba.art.artimpl.ORBImpl
org.omg.CORBA.ORBSingletonClass=com.iona.corba.art.artimpl.ORBSingleton
```
Debug window

To view debug output from an installer:

**Windows**

Hold down the CTRL key immediately after launching the installer until a console window appears.

**UNIX**

1. Change directory to the directory where you copied the `asp` installer.
2. Run the following command:
   ```
   touch ia_debug
   ```
Further Information

<table>
<thead>
<tr>
<th>Documentation web site</th>
<th>Orbix 6.3 documentation is available to browse and to download on the documentation web page at:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><a href="http://communities.progress.com/pcom/docs/DOC-105215">http://communities.progress.com/pcom/docs/DOC-105215</a></td>
</tr>
<tr>
<td></td>
<td>This documentation is frequently updated, so check here for the latest version of the documentation.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Release Notes</th>
<th>See the Release Notes at:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><a href="http://communities.progress.com/pcom/docs/DOC-105215">http://communities.progress.com/pcom/docs/DOC-105215</a></td>
</tr>
</tbody>
</table>

| Internationalization   | If you plan to deploy a CORBA ORB in C or C++ to handle characters other than Latin-1 (English, French, German, and other Western European languages), then some further configuration is required. Please refer to the Orbix Internationalization Guide for more information. |

<table>
<thead>
<tr>
<th>Support</th>
<th>Contact Orbix technical support at:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><a href="http://web.progress.com/orbix/orbix-support.html">http://web.progress.com/orbix/orbix-support.html</a></td>
</tr>
</tbody>
</table>
CHAPTER 3

Uninstalling Orbix

*Orbix comes with an automatic uninstaller tool. Before uninstalling Orbix 6.3, you should remove any domains created.*

**In this chapter**

This chapter contains the following sections:

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<th>Page</th>
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</thead>
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</tr>
<tr>
<td>Uninstalling on UNIX</td>
<td>31</td>
</tr>
</tbody>
</table>
Uninstalling on Windows

Overview

To uninstall Orbix 6.3 on Windows:
1. Go to Select Start | Settings | Control Panel | Add/Remove Programs
2. Select Orbix 6.3.
   Alternatively, from a command prompt, run the following:
   \OrbixInstallDir\asp\6.3\etc\installer\uninstaller\Orbix
   6.3.exe
   This may leave some files behind, which must be removed manually.
3. Remove any environment variables that might still be set, such as
   IT_LICENSE_FILE, IT_PRODUCT_DIR, IT_CONFIG_DIR, and any CORBA
   entries in your PATH.
   For details of all CORBA environment variables, see the Orbix
   Administrator’s Guide
To uninstall Orbix 6.3 on UNIX:

1. Run the uninstall script:

   `OrbixInstallDir/asp/6.3/etc/installer/uninstaller/uninstall`

2. Remove the directory manually:

   `OrbixInstallDir/asp/6.3/etc/installer/uninstaller/`

   The uninstaller may leave some files behind, which must be removed manually.

3. Remove:
   - Any environment variables that you set, such as `IT_LICENSE_FILE`, `IT_PRODUCT_DIR`, `IT_CONFIG_DIR`,
   - Any CORBA entries in your `PATH` and `CLASSPATH` and associated library variables (`SHLIB_PATH`, `LD_LIBRARY_PATH`, and so on).
   - Any configuration domains, especially those with “start on boot” services.

   For details of all CORBA environment variables, see the Orbix Administrator’s Guide.
CHAPTER 3 | Uninstalling Orbix