



# Artix™

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## Artix Connect Installation Guide

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# Installation Prerequisites

*Before you install Artix Connect 3.0, check the system requirements and familiarize yourself with the steps involved in installing the product.*

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**In this chapter**

This chapter discusses the following topics:

<a href="#">Before You Begin</a>	<a href="#">page 2</a>
<a href="#">System Requirements</a>	<a href="#">page 3</a>
<a href="#">Supported Products and Standards</a>	<a href="#">page 4</a>

# Before You Begin

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## Read the release notes

Before installing Artix Connect, visit the IONA Product Documentation web page at:

<http://www.iona.com/support/docs/artix/connect/3.0/index.xml>

and read the *Artix Connect Release Notes* for late-breaking information on new features, known problems, and other release-specific information.

There may also be updates to this *Installation Guide*.

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## Saving your license

You should receive your license file by e-mail. Save this file to your hard drive. During installation, the Artix Connect installer will prompt for the location of the file.

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# System Requirements

**Overview**

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This section outlines the system requirements for Artix Connect 3.0.

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**Runtime requirements**

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Artix Connect requires Microsoft .NET Framework 1.1.

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**Development requirements**

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If you plan to do any development for Artix Connect, you must be running Microsoft Visual Studio .NET 2003.

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**Supported operating systems**

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Artix Connect can run on the following operating systems:

- Windows 2000, Service Pack 3
- Windows XP, Service Pack 1
- Windows 2003 Server

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# Supported Products and Standards

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## Supported transports and protocols

Artix Connect enables transparent communication between clients running in a .NET environment and servers using any of the transports and protocols supported by Artix. These include:

- HTTP
- IIOP 1.1 and 1.2
- CORBA
- BEA Tuxedo 7.1 or higher<sup>1</sup>
- IBM WebSphere MQ 5.x or higher<sup>1</sup>
- TIBCO Rendezvous 7.1 or higher<sup>1</sup>
- Java Messaging Service<sup>1</sup>

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## Supported bindings

Artix Connect supports all of the bindings (marshalling schemes) supported by Artix, including:

- SOAP 1.1
- CORBA Common Data Representation (CDR)
- Pure XML
- Fixed record length (FRL)<sup>1</sup>
- Tagged (variable record length)<sup>1</sup>
- TibrvMsg (a TIBCO Rendezvous format)<sup>1</sup>
- Tuxedo Field Manipulation Language (FML)<sup>1</sup>

1. Only available if you have an Artix Advanced license.

# Installing Artix Connect

*This chapter describes how to install Artix Connect.*

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## **In this chapter**

This chapter discusses the following topics:

<a href="#">Running the Artix Connect Installer</a>	<a href="#">page 6</a>
<a href="#">Licensing Artix Connect</a>	<a href="#">page 8</a>
<a href="#">Setting up the Artix Connect Environment</a>	<a href="#">page 9</a>
<a href="#">Adding the Wizard to Visual Studio Manually</a>	<a href="#">page 14</a>
<a href="#">Uninstalling Artix Connect</a>	<a href="#">page 15</a>

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# Running the Artix Connect Installer

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## Downloading the installation package

The Artix Connect 3.0 installation package is available for download from the IONA Product Download Center at <http://www.iona.com/downloads/>.

Download the `artix_connect_3.0_Windows` package and extract its contents to a directory on your hard drive.

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## Running the installer

To install Artix Connect:

1. Go to the directory into which you extracted the installation package and run the installer:

```
connect.exe
```

2. Click **Next** to begin the installation.
3. Read the license agreement.
4. Accept the license agreement by selecting **I accept the terms of the License Agreement** and click **Next**.
5. Enter the name of the folder into which you want to install Artix Connect and click **Next**.
6. Select where on the **Start** menu you want to place shortcuts and click **Next**.
7. Choose Artix Connect Standard and click **Next**.
8. Choose what type of installation you want and click **Next**:
  - ◆ **Developer Tools and Runtime**
  - ◆ **Runtime Tools**
9. Specify if you want to set the environment variables specific to Artix Connect for all users on this system, then click **Next**. For details of these environment variables, see “[Artix Connect environment variables](#)” on page 10.

**WARNING:** Do not allow the installer to set these variables if you have existing IONA products installed on your machine.

10. Review your installation information and click **Install**.
11. When the installer finishes installing the Artix Connect files, it launches the License Installer. Click **Browse** to locate your license file and click **Next**. The license is copied to the `ArtixConnectInstallDir\etc` directory.  
  
If you want to install the license later, click **Cancel**. For more information see ["Licensing Artix Connect" on page 8](#).
12. Click **Done** to finish the installer.

**Note:** If you set the environment variables while installing, you must reboot your machine to ensure that the variables set.

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# Licensing Artix Connect

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## Overview

Before you can begin using Artix Connect, you need to install a valid product license. The license is a text file containing keys for the individual components that you have purchased.

Typically, you will receive your Artix Connect license from IONA by e-mail. You should save it to a location on your hard drive and then install it in one of the following ways:

- automatically using the Artix Connect installer (See [“Running the Artix Connect Installer” on page 6](#))
- by manually copying the license file to the default location (See [“Installing the license file manually” on page 8](#))

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## Installing the license file manually

You can install your license manually by copying the license file to the default location:

```
ArtixConnectInstallDir\etc
```

If you want to save the license file to an alternative location on your hard drive, you must set `IT_LICENSE_FILE` environment variable to point to the location. To this by running the following command from a Windows command prompt:

```
set IT_LICENSE_FILE=license_file_path
```

**Note:** If you have other licensed IONA products installed, you may need to re-set `IT_LICENSE_FILE` for those products.

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# Setting up the Artix Connect Environment

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## Overview

Before you can run any Artix Connect based processes you must set up the runtime environment. The Artix Connect installer automatically sets the environment variables that are required by Artix Connect.

If, however, you choose not to set the variables during installation, you must either run the `artix_env.bat` script or set the variables manually.

**Note:** If you plan to use `nmake` rather than Visual Studio to build the demos that ship with Artix Connect, you must run the `artix_env` script at least once.

## In this section

This section gives details of the variables and how to set them if you have not already set them while installing the product. The following topics are covered:

- [Artix Connect environment variables](#)
- [Running the `artix\_env` script](#)
- [Setting the variables manually](#)
- [Verifying the environment](#)

## Artix Connect environment variables

Table 1 describes the environment variables required by Artix Connect:

**Table 1:** *Artix Environment Variables*

Variable	Description
IT_PRODUCT_DIR	Points to the top level of your Artix Connect installation. For example, if you install Artix Connect into the C:\Program Files\IONA directory, IT_PRODUCT_DIR should be set to that directory.  <b>Note:</b> If you have other IONA products installed and you choose not to install them into the same directory tree, you must reset IT_PRODUCT_DIR each time you switch IONA products.
IT_LICENSE_FILE	Specifies the location of your Artix Connect license file. The default value is <code>%IT_PRODUCT_DIR%\etc\licenses.txt</code>
IT_DOMAIN_NAME	IT_DOMAIN_NAME specifies the name of the configuration domain used by Artix Connect to locate its configuration. This variable also specifies the name of the file in which the configuration is stored.  It should be set to <code>artix</code> .
IT_CONFIG_DOMAINS_DIR	Specifies the directory where Artix Connect searches for its configuration file, <code>artix.cfg</code> . It should be set to:  <code>%IT_PRODUCT_DIR%\artix\Version\etc\domains</code>  For example: <code>C:\iona\ArtixConnect\artix\3.0\etc\domains</code>

**Table 1:** Artix Environment Variables (Continued)

Variable	Description
JETVMPROP	<p>Specifies where the Artix Connect license file is stored. JETVMPROP is required for the Artix Connect wsdltodotnet metadata generator to work. The default value is:</p> <pre>-Dcom.iona.artix.LicenseFile= ArtixConnectInstallDir\etc\licenses.txt</pre> <p>For example:</p> <pre>-Dcom.iona.artix.LicenseFile=C:\iona\ ArtixConnect\etc\licenses.txt</pre>
PATH	<p>The Artix bin directories are added to the PATH variable to ensure that the proper configuration files, libraries, and utility programs are used.</p> <p>The default bin directories are</p> <pre>%IT_PRODUCT_DIR%\artix\Version\bin</pre> <p>and</p> <pre>%IT_PRODUCT_DIR%\bin</pre>

## Running the artix\_env script

The Artix Connect installer creates a script named `artix_env.bat`, which captures the information required to set your host's environment variables. Running this script configures your system to use Artix Connect. The script is located in the Artix Connect `bin` directory:

```
ArtixConnectInstallDir\artix\3.0\bin
```

To use the `artix_env` script to set your Artix Connect environment, open a Windows command prompt and run the following command:

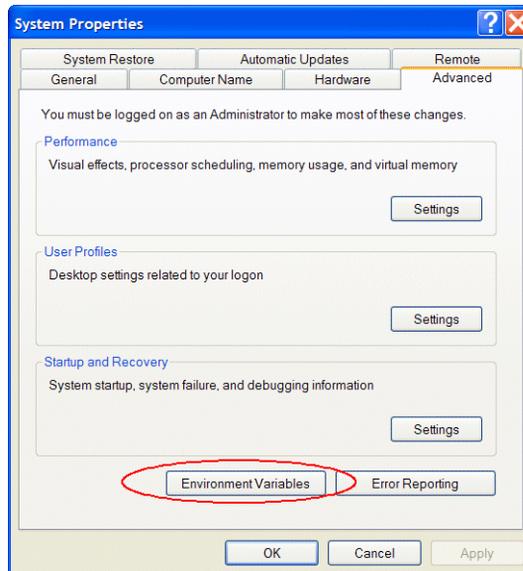
```
artix_env.bat -compiler vc71
```

**Note:** Running `artix_env.bat` does not set JETVMPROP. If you use `artix_env.bat` to set your environment, you must set JETVMPROP manually. See [“Setting the variables manually” on page 12](#) for more detail.

**Setting the variables manually**

To set the environment variables manually:

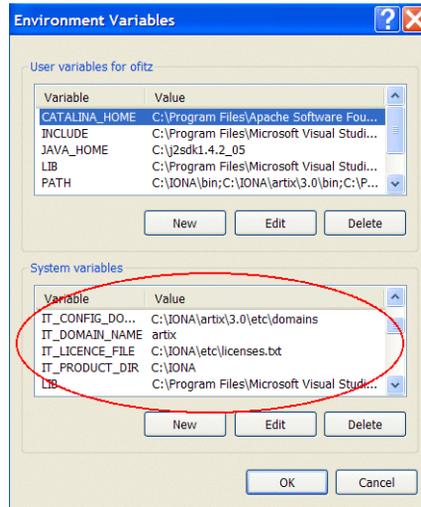
1. Right-click on the Windows **My Computer** desktop icon and select **View system information**. The System Properties dialog box appears.
2. Select the **Advanced** tab and click **Environment Variables**, as shown in [Figure 1](#).



**Figure 1:** *Viewing System Properties*

3. The Environment Variables dialog box appears as shown in [Figure 2](#).

Click **New** to add each of the environment variables, including the correct value for your installation, as described in “[Artix Connect environment variables](#)” on page 10.



**Figure 2:** *Setting Environment Variables Manually*

## Verifying the environment

To verify that the Artix Connect environment is correctly set up, open a command prompt and run the following:

```
cd %IT_PRODUCT_DIR%
```

Your working directory should change to the directory where you installed Artix Connect.

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# Adding the Wizard to Visual Studio Manually

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## Introduction

The Artix Connect installer installs the Artix Connect Wizard and registers it with Visual Studio .NET 2003.

However, there may be occasions when you need to add the wizard to Visual Studio by hand.

This involves the following steps:

1. [Copying the wizard files into the Visual Studio installation](#)
  2. [Installing the wizard into the .NET global assembly cache](#)
  3. [Registering the wizard with Visual Studio](#)
- 

## Copying the wizard files into the Visual Studio installation

You need to copy the following files into your Visual Studio installation:

- Artix Web Service.ico
- Artix Web Service.vsz

To copy the wizard files:

1. Ensure that your `IT_PRODUCT_DIR` environment variable is set for Artix Connect.
2. Open an command prompt and run the following command:

```
copy %IT_PRODUCT_DIR%\artix\3.0\etc\wizard\* C:\Program
Files\Microsoft Visual Studio .NET
2003\VC#\CSharpProjectItems\LocalProjectItems
```

---

## Installing the wizard into the .NET global assembly cache

To install the Artix Connect wizard into the .NET Framework global assembly cache, run the following from a command prompt:

```
itgacinstaller %IT_PRODUCT_DIR%\bin\it_ar_wizard5_vc71.dll
```

---

## Registering the wizard with Visual Studio

To register the wizard with Visual Studio .NET, run the following from a command prompt:

```
C:\WINNT\Microsoft .NET\Framework\v1.1.4322\regasm.exe
%IT_PRODUCT_DIR%\bin\it_ar_wizard5_vc71.dll
```

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# Uninstalling Artix Connect

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## Uninstalling Artix Connect

To uninstall Artix Connect:

1. From the Windows **Start** menu, select **(All) Programs | IONA | Artix Connect 3.0 | Uninstall Artix Connect 3.0**.
2. Click **Uninstall**.

Alternatively, you can run the following from a command prompt:

```
ArtixConnectInstallDir\artix\3.0\uninstall\  
uninstall_artix_connect_3_0.exe
```