



# BEA AquaLogic<sup>®</sup> .NET Portlet Toolkit

## Installation and Upgrade Guide

Version 1.1 MP1  
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# BEA Documentation and Resources

The following documentation and resources are available from BEA.

Resource	Description
Installation Guide	This guide describes the prerequisites (such as required software) and procedures for installing and upgrading .NET Portlet Toolkit components. It is available on <a href="http://edocs.bea.com/alui/dotnetappaccelerator/docs11">edocs.bea.com/alui/dotnetappaccelerator/docs11</a> .
Release Notes	The release notes provide information about new features, issues addressed, and known issues in the release. They are available on <a href="http://edocs.bea.com/alui/dotnetappaccelerator/docs11">edocs.bea.com/alui/dotnetappaccelerator/docs11</a> .
Development Guides	The development guide provides detailed information on authoring portlets using the .NET Portlet Toolkit. They are available on <a href="http://edocs.bea.com/alui/dotnetappaccelerator/docs11">edocs.bea.com/alui/dotnetappaccelerator/docs11</a> .
Additional Developer Guides, Articles, API Documentation, Blogs, Newsgroups, and Sample Code	These resources are provided for developers on the BEA dev2dev site ( <a href="http://dev2dev.bea.com">dev2dev.bea.com</a> ). They describe how to build custom applications using AquaLogic User Interaction and how to customize AquaLogic User Interaction products and features.

<b>Resource</b>	<b>Description</b>
AquaLogic User Interaction (ALUI) and AquaLogic Business Process Management (ALBPM) Support Center	<p>The ALUI and ALBPM Support Center is a comprehensive repository for technical information on ALUI and ALBPM products. From the Support Center, you can access products and documentation, search knowledge base articles, read the latest news and information, participate in a support community, get training, and find tools to meet most of your ALUI and ALBPM-related needs. The Support Center encompasses the following communities:</p> <p><b>Technical Support</b></p> <p>Submit online service requests, check the status of your requests, search the knowledge base, access documentation, and download maintenance packs and hotfixes.</p> <p><b>User Group</b></p> <p>Participate in user groups; view webinars, presentations, the CustomerConnection newsletter, and the Upcoming Events calendar.</p> <p><b>Product Center</b></p> <p>Download product updates, maintenance packs, and patches; view the Product Interoperability matrix (supported third-party products and interoperability between products).</p> <p><b>Developer Center</b></p> <p>Download developer tools, view code samples, access technical articles, and participate in discussions.</p> <p><b>Education Services</b></p> <p>Review the available education options, then choose courses by role and delivery method (Live Studio, Public Classroom Training, Remote Classroom, Private Training, or Self-Paced eLearning).</p> <p><b>Profile Center</b></p> <p>Manage your implementation details, local user accounts, subscriptions, and more.</p> <p>If you do not see the Support Center when you log in to <a href="http://one.bea.com/support">one.bea.com/support</a>, contact <a href="mailto:ALUISupport@bea.com">ALUISupport@bea.com</a> or <a href="mailto:ALBPMsupport@bea.com">ALBPMsupport@bea.com</a> for the appropriate access privileges.</p>

<b>Resource</b>	<b>Description</b>
Technical Support	<p>If you cannot resolve an issue using the above resources, BEA Technical Support is happy to assist. Our staff is available 24 hours a day, 7 days a week to handle all your technical support needs.</p> <p>E-mail: <a href="mailto:ALUISupport@bea.com">ALUISupport@bea.com</a> or <a href="mailto:ALBPMSupport@bea.com">ALBPMSupport@bea.com</a></p> <p>Phone Numbers:</p> <p>USA, Canada +1 866.262.7586 or +1 415.263.1696</p> <p>EMEA +44 1494 559127</p> <p>Asia Pacific +61 2.9931.7822</p> <p>Australia/NZ +61 2.9923.4030</p> <p>Singapore +1 800.1811.202</p>





# Installation

## Installing the AquaLogic .NET Portlet Toolkit

To install the AquaLogic .NET Portlet Toolkit component of the AquaLogic .NET Application Accelerator, including the .NET Portlet API, WCC and related files, run `ALDotNetPortletToolkit.exe`.

The `ALDotNetPortletToolkit.exe` installation package installs the .NET Portlet API, WCC and related files. .

1. Copy the installation package to a location on the host server.
2. To launch the installer, double-click **ALDotNetPortletToolkit.exe**.
3. Complete the installation wizard pages as described in the table that follows.

<b>Wizard Page</b>	<b>Description</b>
--------------------	--------------------

<b>Choose</b>	Choose the components to install:
---------------	-----------------------------------

<b>Components</b>	
-------------------	--

- **.NET Portlet Toolkit:** Installs class libraries and VisualStudio templates for both ALI and WSRP portlets.

<b>Wizard Page</b>	<b>Description</b>
	<ul style="list-style-type: none"><li>• <b>.NET Web Controls Consumer (WCC):</b> Installs all runtime components required to run the WCC. If you are developing WSRP portlets, this component is not required.</li><li>• <b>Image Service Files for ALI Image Server:</b> Installs the URL-addressable resources that must be available for the WCC to operate correctly. This option can be used to install these resources on a separate static content server such as IIS or Apache. If you are developing WSRP portlets, this component is not required.</li></ul> <p><b>Note:</b> If you are installing in a distributed system (ALI is on a different server than the server that hosts portlets), you must run the installer twice: 1) install the .NET Portlet Toolkit and WCC on the remote server that hosts portlets, and 2) install the Image Service Files on the server that hosts the ALI Image Server.</p>
<b>Choose Install Folder</b>	Enter the path to the folder where the Portlet Toolkit files should be installed. (This page appears only if the .NET Portlet Toolkit and/or WCC options were selected.)
<b>Path to Image Service Files</b>	This page displays the location on the server from which static content is served. The location should be the same as the ALI Image Service.  (This page appears only if the Image Service Files for ALI Image Server option was selected.)
<b>Pre-Installation Summary</b>	Review your choices before clicking <b>Install</b> to proceed.
<b>Installation Complete</b>	Choose whether or not to restart your system and click <b>Done</b> to close the installer.

Once installation is complete, a set of project and file templates will be available in Microsoft Visual Studio 2005, and the installation directory will contain necessary resources and libraries.



# Upgrading Existing Applications

## Upgrading ALI .NET Application Accelerator Portlets (1.0 to 1.1 MP1)

To upgrade existing ALI portlets developed using the AquaLogic .NET Application Accelerator version 1.0, you must make modifications to your code.

If your portlet uses the profile provider, you must change the name and type of the profile provider defined in your project's Web.config file from `EDKProfileProvider` to `IDKProfileProvider` as shown in the code snippet below.

```
<profile enabled="true"
defaultProvider="IDKProfileProvider"
automaticSaveEnabled="true">
  <providers>
    <clear />
    <add name="IDKProfileProvider"
type="BEA.ALI.Web.Profile.IDKProfileProvider,
PortletAPI" description="IDK based profile provider"
```

```

/>
</providers>
<properties>
  <clear />
</properties>
</profile>

```

The other namespace changes implemented in version 1.1 MP1 provide new classes and do not affect existing 1.0 portlets. (You may need to add namespaces to access new functionality.)

## Upgrading WLP .NET Application Accelerator Portlets (1.0 to 1.1 MP1)

To upgrade existing WLP portlets developed using the AquaLogic .NET Application Accelerator version 1.0, you must make modifications to your code.

If your portlet uses the profile provider, you must make the following changes:

1. Change the name and type of the profile provider defined in the project's Web.config file from `EDKProfileProvider` to `IDKProfileProvider` as shown in the code snippet below.

```

<profile enabled="true" defaultProvider="IDKProfileProvider"
automaticSaveEnabled="true">
  <providers>
    <clear />
    <add name="IDKProfileProvider"
type="BEA.ALI.Web.Profile.IDKProfileProvider, PortletAPI"
description="IDK based profile provider" />
  </providers>
</properties>
  <clear />
</properties>
</profile>

```

2. Upgrade property names to the 1.1 MP1 syntax. In version 1.0, the property set name was appended to the property name. In 1.1 MP1, the property name is placed in a group element.

- a) For each custom property set or user profile grouping, create a `<group>` element in the `<properties>` element within the `<profile>` element in the Web.config file for the portlet project. Add each user profile property to its respective group. Each property must be defined with a name and a type. If you provide a default value, it will be used if the property is not available.

**Note:** The name of the property **must** match the name sent by the source application. For more information about sending user profile properties from WebLogic Portal, see *Developing User Profiles* in the WLP documentation.

```
<properties>
  <group name="homeInfo">
    <group name="online">
      <add name="email" type="string"/>
    </group>
  </group>
  <group name="CustomProperties ">
    <add name="title" type="string" defaultValue="No Title"/>
  </group>
  <group name="MyProfile">
    <add name="Name" type="String" defaultValue="Guest"/>
    <add name="Age" type="Int32"/>
  </group>
</properties>
```

- b) Reference the property in the portlet page by name using the Profile object. The correct syntax is shown below.

```
string title = Profile.CustomProperties.Title;
string name = Profile.MyProfile.Name;
int age = Profile.MyProfile.Age;
```

The other namespace changes implemented in version 1.1 MP1 provide new classes and do not affect existing 1.0 portlets. (You may need to add namespaces to access new functionality.)

## Upgrading Existing WCC Applications (2.1.x and earlier)

To migrate existing applications built with the Web Control Consumer 2.1.x or earlier, you must make minor code modifications. Upgrading from versions 2.2.x and above requires no changes to the existing code.

Even though 2.1.x is very similar to later versions, there are some differences that might require some changes to existing code.

- **Modify JavaScript code to run only once:** In 2.1.x and earlier, JavaScript was executed only upon the first rendering of the page. Some applications may assume that inline code will be run only once; this code must be modified to run only once. (Many existing applications register for events upon the initial render; this code must be changed to prevent multiple registrations.) This can be done easily on the server, by including the code `only if IsPostBack == false`. This can also be done on the client a few ways, such as:

```
<script>
  if(!already_run)
  {
    //run my code here...
    var already_run = true;
  }
</script>
```

- **Change `ptrender` setting:** In 2.1.x, buttons did not submit a form in-page by default. The default behavior now is to submit the form in-page, which can be disabled by added a `ptrender=false` attribute to the button. If there are buttons relying on the default behavior of not performing an in-page refresh, these must be changed to include the `ptrender=false` attribute (including a `ptrender=true` attribute now has no effect).