Oracle® Fusion Middleware

Installation and Upgrade Guide for Oracle WebCenter WSRP Producer for .NET

11*g* Release 1 (11.1.1.6.0)

E14553-04

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This book describes how to install and deploy the Oracle WebCenter WSRP Producer for .NET (previously called .NET Application Accelerator) 11*g* Release 1 (11.1.1.6.0).

1 Hardware and Software Requirements for Oracle WebCenter WSRP Producer for .NET

The following hardware and software is required to develop and deploy portlets using the Oracle WebCenter WSRP Producer for .NET.

Table 1 Hardware and Software Requirements

Component	Requirements
Host Computer	■ Microsoft Internet Information Services (IIS) 6.0 and 7.x ■ Microsoft .NET Framework 3.5 SP1 ■ Microsoft Web Service Extensions (WSE) 2.0 SP3 (available at http://www.microsoft.com/downloads/details.aspx?familyid=1ba1f631-c3e7-420a-bc1e-ef18bab66122)
Platform	■ Oracle WebLogic Portal 10.3.2 with patch UFTG (the password for this patch in Smart Update is F7C3Y31I) and patch DT6N (the password for this patch in Smart Update is PP6BUVQS). The UFTG patch corrects a major issue with cookie management and must be applied in order for the Oracle WebCenter WSRP Producer for .NET to function on Oracle WebLogic Portal. **Note:** Oracle WebLogic Portal must be configured to block cookies from being stored in the browser (set `resource-cookies` to `block-all` in wsrp-producer-registry.xml). The DT6N patch corrects an issue with proxied ASP.NET AJAX resources and must be applied to support ASP.NET AJAX features. ■ Oracle WebCenter Portal 11.1.1.6.0

2 Additional Documentation

The following additional documentation is available.

Table 2 Additional Documentation

Document	Description
Release Notes	The release notes provide information about new features, issues addressed, and known issues in the release.

Table 2 (Cont.) Additional Documentation

Document	Description
Development Guide	The *Development Guide for Oracle WebCenter WSRP Producer for .NET* provides detailed information on authoring portlets using the Oracle WebCenter WSRP Producer for .NET.

3 Installing the Oracle WebCenter WSRP Producer for .NET

The installation package creates the necessary files and folders and configures associated system tools. For details, see Section 3.1, "Understanding Your Installation."

Before beginning installation, make sure your system meets the prerequisites for installation. For details, see Section 1, "Hardware and Software Requirements for Oracle WebCenter WSRP Producer for .NET".

To install the Oracle WebCenter WSRP Producer for .NET, follow the steps below:

1. Launch the installer (**OracleWebCenterWSRPProducerForDotNet.msi**) as a local administrator or as a user who has rights to configure IIS and set file permissions on the folder in which the product will be installed.
2. Complete the installation wizard pages as described in the table that follows.

Table 3 Installation Wizard Pages

Wizard Page	Description
Select Installation Folder	Enter the folder where you would like the product installed.
Confirm Installation	If you are ready to install the product click **Next** to proceed. A panel showing the installation progress should appear. The installer will launch a series of command windows.
Installation Complete	Click **Close** to close the installer.

3.1 Understanding Your Installation

The installer adds files and saves configuration settings in the following areas:

- File System
- IIS
- Start Menu

3.1.1 File System

The installer sets the localized "NETWORK SERVICE" account to have *modify* access on the files in the \wsrpdefault directory. The localized "NETWORK SERVICE" account is the default user assigned to execute ASP.NET applications.

The installer creates the following folders and files:

- **\Uninstall_resources**: Contains executables used by the uninstaller to properly remove virtual directories and shortcuts added by the installer.
- **\assembly version:** Contains assemblies required by the product.

> **Note:** The installer does not place assemblies in the GAC by default.

- **\wsrpdefault**: Contains a working example of a deployment with the following subfolders:
  - **\App_Themes:** Contains styles and skins.
  - **\bin**: Contains assemblies for the IIS application associated with the \wsrpdefault folder.
  - **\wsdl**: Contains the SOAP endpoint files (.asmx) and WSRP definition files (.wsdl). In particular, WSRPService.wsdl lists the fully qualified paths to the SOAP endpoints. This file can be used to set a different fully-qualified domain name for the host machine.
  - **\portlets**: Contains Web Parts or application files.

3.1.2 IIS

The installer sets up an IIS web site and IIS virtual directory with application. Both are set to point at the \wsrpdefault folder described in the previous section. An IIS application pool called OraAppPool2 is created to run applications.

The newweb site is set up on the first available port starting at 8678. If you are using Windows 7 or Windows 2008, make sure that this port is available to computers coming from the outside (you may need to configure a hole in your firewall for this port).

The IIS application is targeted at the \wsrpdefault virtual directory, not the root IIS web site, so you must navigate to the virtual directory (e.g. http://myhost.mycompany.com:8678/wsrpdefault) rather than the root IIS web site (e.g. http://myhost.mycompany.com:8678).

Note: The Oracle WebLogic Portal WSRP Consumer does not properly render compressed content returned from IIS 7.0 and IIS 7.5. If you are running the Oracle WebCenter WSRP Producer for .NET on Windows 2008 or Windows 7, and you are using Oracle WebLogic Portal as the consumer, be sure to disable dynamic compression on IIS.

3.1.3 Start Menu

The installer adds the following items to the Start Menu:

- Oracle Online Documentation
- Uninstall
- WSRP 1.0 WSDL (registers Web Parts placed in the /wsrpdefault folder as WSRP 1.0 portlets)
- WSRP 2.0 WSDL (registers Web Parts placed in the /wsrpdefault folder as WSRP 2.0 portlets)

The WSDL links should be launched in your default browser. To register portlets, copy one of these links into your WSRP consumer as described in the next section.

3.2 Confirming a Successful Installation

To confirm a successful installation, import the WSDL file for the sample Web Part included with installation into your WSRP consumer using the steps below.

1. From the Start Menu, click Start | Programs | Oracle WebCenter WSRP Producer for .NET | WSRP 1.0 WSDL. The WSDL file should open in a browser window.
2. Copy the URL from the browser window and paste it into your WSRP consumer's registration tool. If you see any errors:
   - Confirm that the fully-qualified domain name generated by the installer is correct. If it is not correct, you will need to adjust both the URL to the .wsdl file and the URLs specified in the WSDL (see Section 3.1, "Understanding Your Installation" for details on the location of the WSDL files).
   - Confirm that the host allows traffic on the port specified. By default, in Windows 2008 and Windows 7, only TCP traffic is allowed on port 80. You may need to adjust the firewall settings.
3. You should see a single portlet called **Simple Date Time** in the list of portlets available on the WSRP Producer. Select this portlet and add it to your portal.
4. If your installation is working correctly, you should be able to see an example portlet with the following functionality:
   - A button that displays the latest date and time using ASP.NET AJAX.
   - A button that displays the latest date and time using standard ASP.NET postback.
   - Personalization of a single string preference from your WSRP consumer's editor (the Personalize drop-down menu in Oracle WebCenter Portal or the Edit button in Oracle WebLogic Portal).

4 Upgrading Existing .NET Application Accelerator Portlets

To upgrade existing Oracle WebCenter Interaction (or AquaLogic Interaction) portlets developed using the .NET Application Accelerator version 1.x, you must make modifications to your code. If you are upgrading from version 1.0, first upgrade to version 1.1.

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 to `WSRPProfileProvider` as shown in the code snippet below.

```
<profile enabled="true" defaultProvider="WSRPProfileProvider"
automaticSaveEnabled="true">
    <providers>
        <clear />
            <add name="WSRPProfileProvider"
type="oracle.appaccel.wsrp.WebService.providers.profile.WSRPProfileProvider"
applicationName="WSRPProfileProvider"/>
    </providers>
    <properties>
        <clear />
    </properties>
</profile>
```

For portlets developed for Oracle WebLogic Portal that use the profile provider, you must upgrade property names to the 1.1 MP1 syntax as described below. 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.

1. 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.

```
<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>
```

2. 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.)

5 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

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