



# Deploying DBsign on Oracle's WebLogic Server 11g

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Version 4.0

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# 1.0 Introduction

## 1.1 Document Organization

This document explains how to deploy the DBsign server on Oracle's WebLogic Server 11g. The following instructions assume that DBsign for HTML Applications version 4.0 and WebLogic Server 11g have already been installed. The instructions and screen shots contained in this document were prepared using Microsoft Windows Server 2008; however, implementation on other operating systems will be very similar.

Installing and configuring the DBsign files is beyond the scope of this document. For information related to these topics, see the DBsign documentation distributed with the product.

Installing, configuring, and setting up domains on the WebLogic server are beyond the scope of this document. For information related to these topics, see Oracle's documentation.

## 1.2 Contacting Gradkell Systems

### Web Site

Gradkell's web address is <http://www.gradkell.com>.

### Email

Sales inquiries, send email to [sales@gradkell.com](mailto:sales@gradkell.com)

For DBsign technical support, email [support@gradkell.com](mailto:support@gradkell.com)

### Postal Service

Corporate Headquarters:

4910 University Square, Suite 2

Huntsville, AL 35816

### Telephone

Corporate Headquarters:

866-GRADKELL (866-472-3535)

## 2.0 Deploying DBsign on WebLogic Server 11g

### 2.1 Extracting The DBsign Servlet WAR File

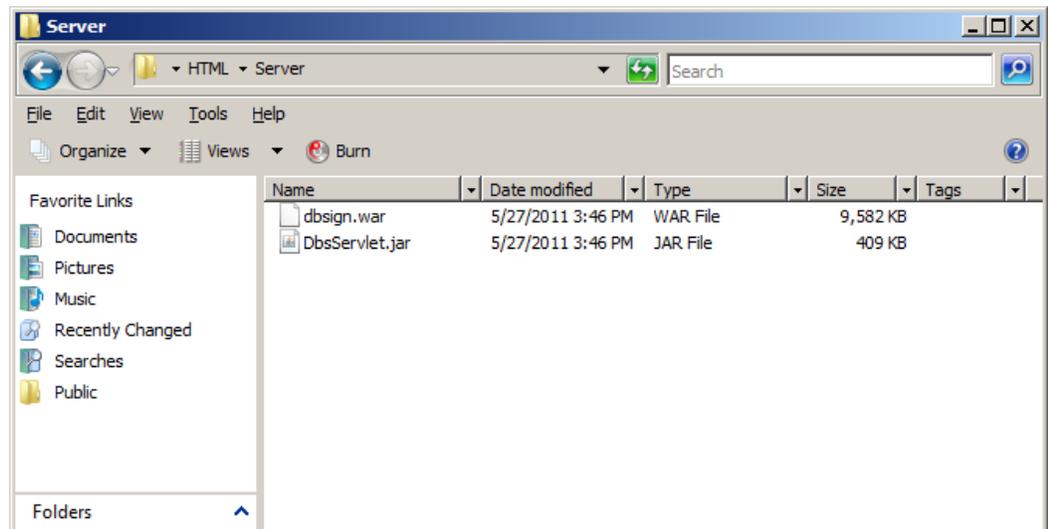
WebLogic supports deploying J2EE applications in two ways: (1) archive files, and (2) exploded archive directories. The difference between the two methods is explained here:

[http://download.oracle.com/docs/cd/E13222\\_01/wls/docs81/deployment/overview.html#1036326](http://download.oracle.com/docs/cd/E13222_01/wls/docs81/deployment/overview.html#1036326)

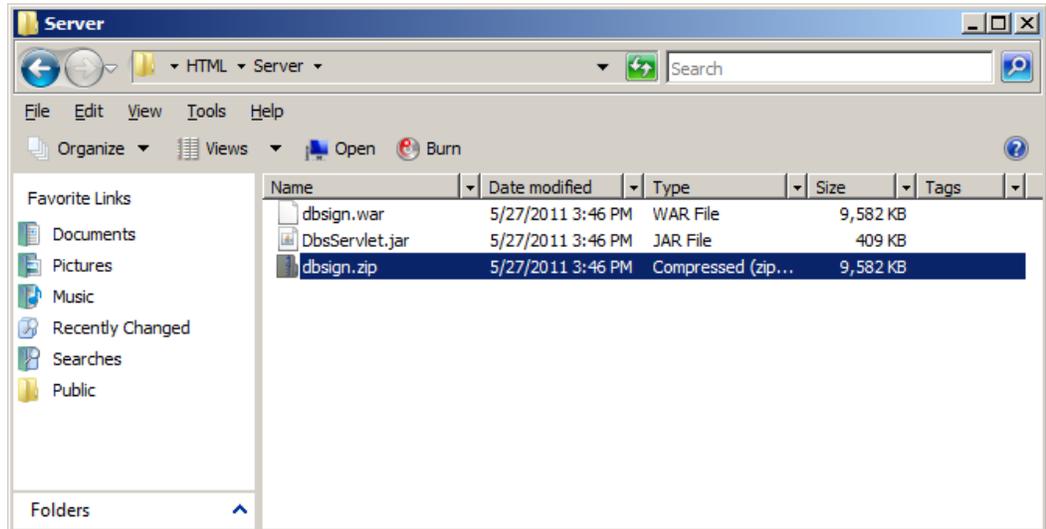
By default the DBsign server uses a configuration file found in its deployment directory, and must be able to read and write to this file. Because of this, we should deploy DBsign using the “Exploded Archive Directories” method as recommended by Oracle's documentation referenced above.

The first step in deploying the DBsign server on WebLogic is to locate the the “dbsign.war” file in your DBsign installation directory. If DBsign was installed using the default settings, this file will be located in the following directory:

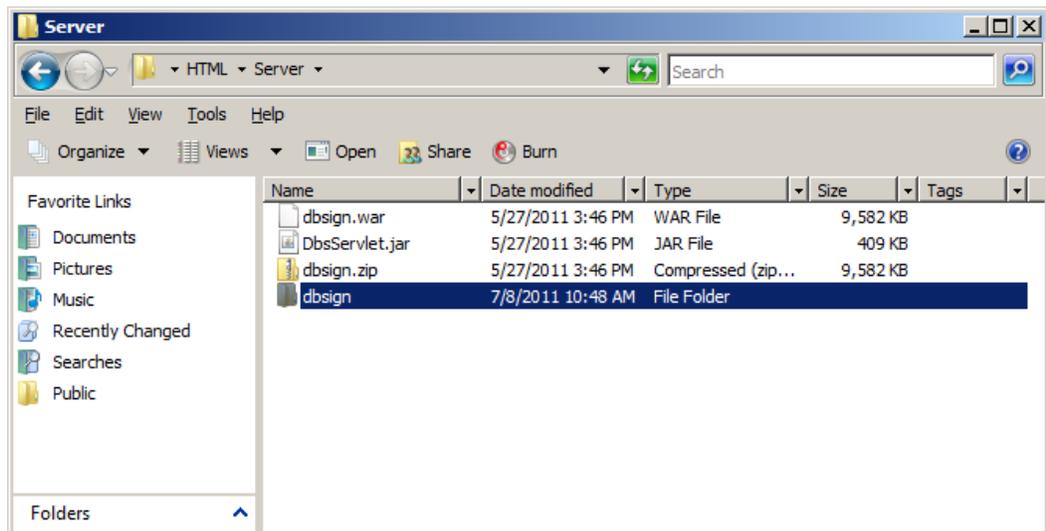
C:\Program Files\Gradkell Systems, Inc\DBsign Data Security Suite\HTML\Server



Copy the “dbsign.war” file to “dbsign.zip”:

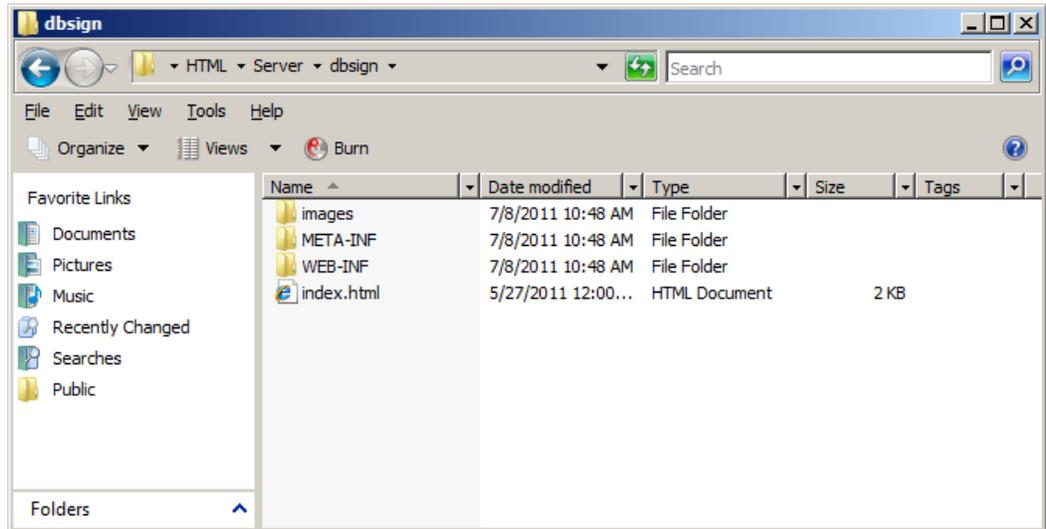


Then, using the built-in Windows ZIP utility, extract the “dbsign.zip” archive<sup>1</sup>:



<sup>1</sup> It is possible to use the “jar” utility (or any number of archive utilities) to extract the WAR file directly. For the sake of simplicity, this document uses the built-in zip functionality in Windows.

The contents of the resulting “dbsign” directory should look like this:



## 2.2 Logging Into The WebLogic Admin Console

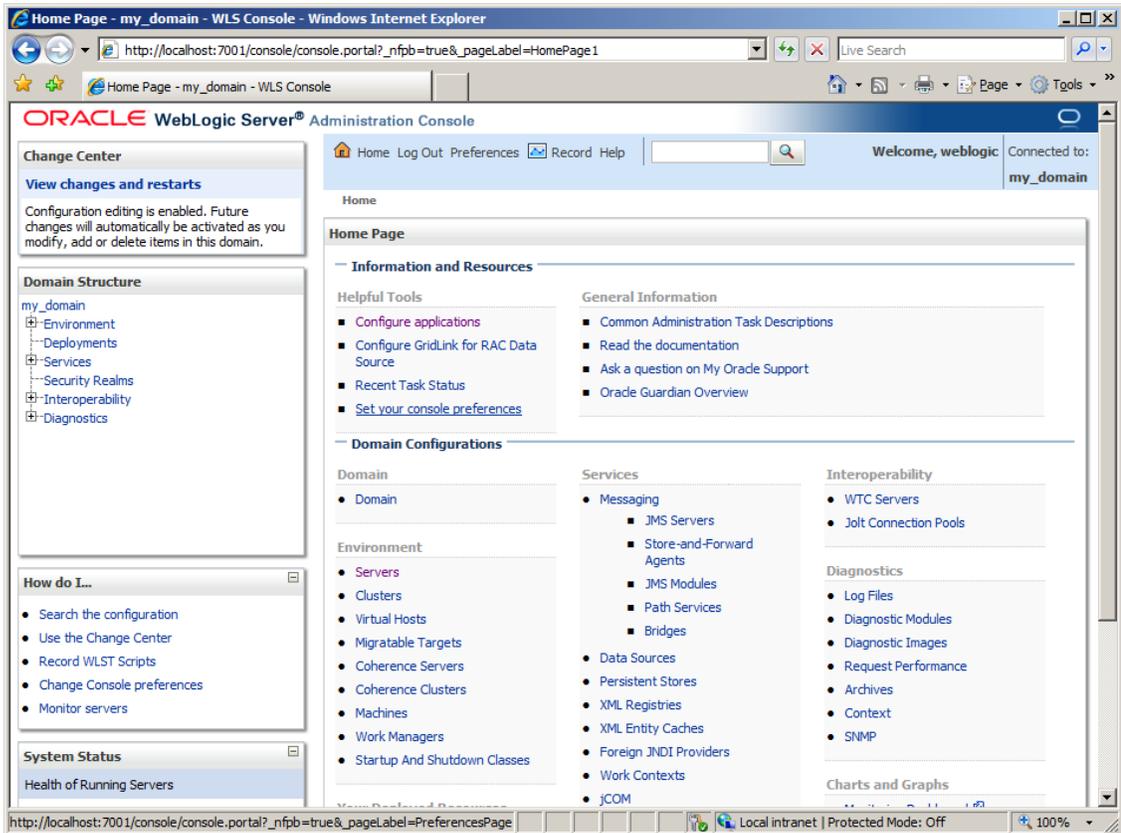
The easiest way to deploy an application in WebLogic is by using the WebLogic Administration Console. Once you install WebLogic and set up domain for your web applications, you can login to the Administration Console with the following URL<sup>2</sup>:

<http://localhost:7001/console>



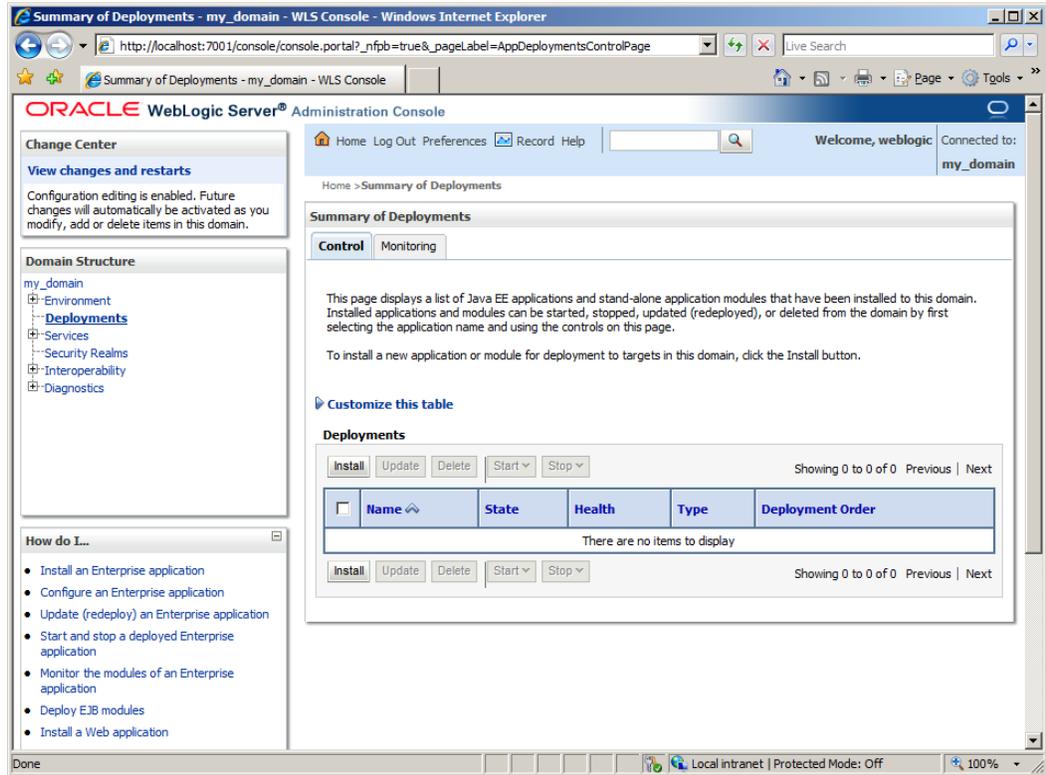
<sup>2</sup> Your URL may differ depending on your installation. By default, the server will run on port 7001 and listen on localhost.

Once you have logged in, you should see a screen similar to this:



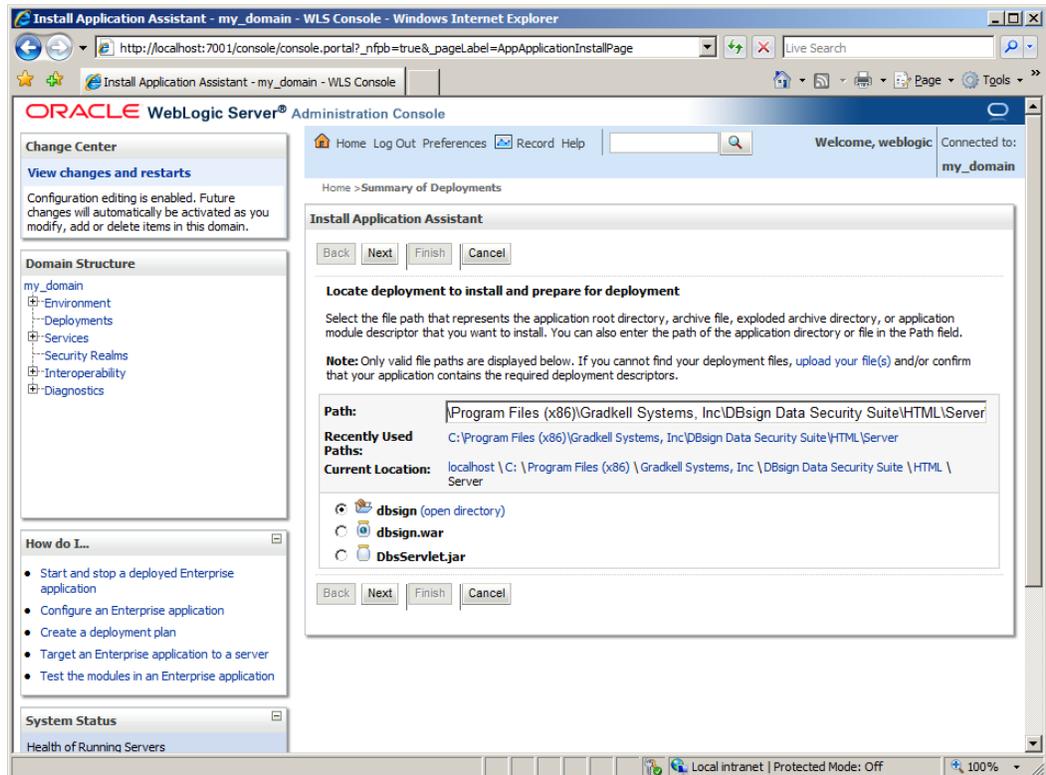
### 2.3 Installing/Deploying DBsign

On the left-hand side of the screen, you will see a navigation block labeled “Domain Structure”. Locate the “Deployments” link, and click it:



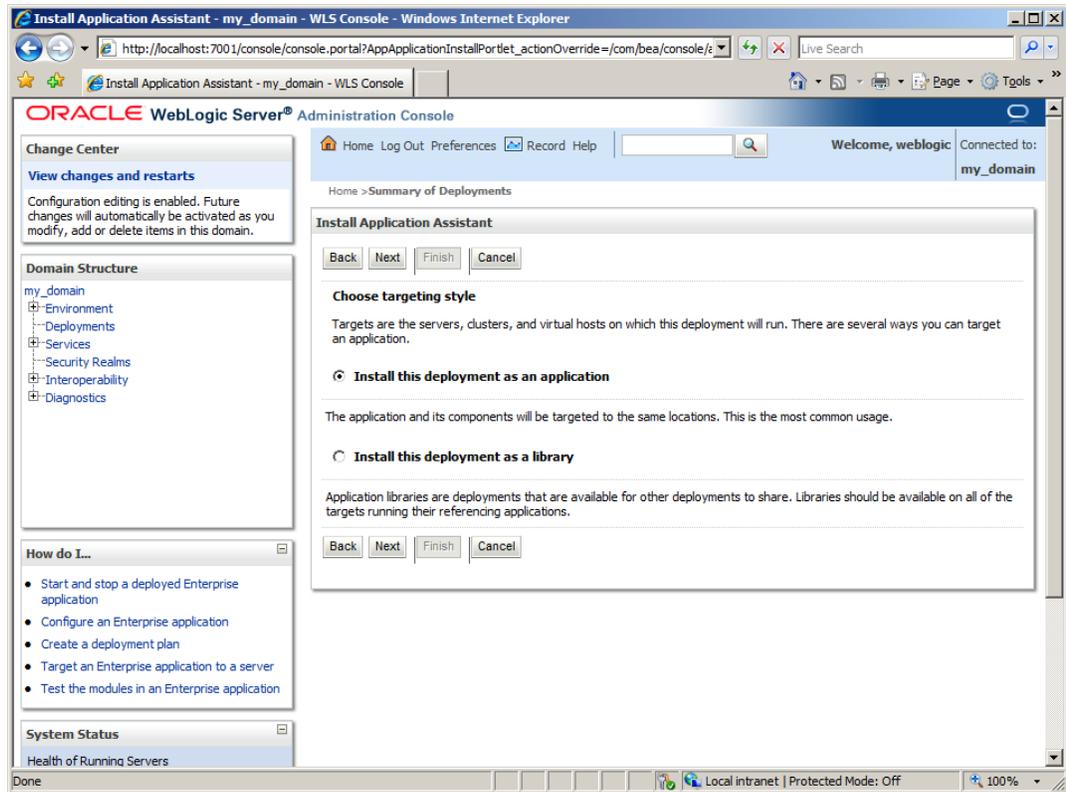
On the “Summary of Deployments” page, locate the “Install” button and press it to begin the “Install Application Assistant”.

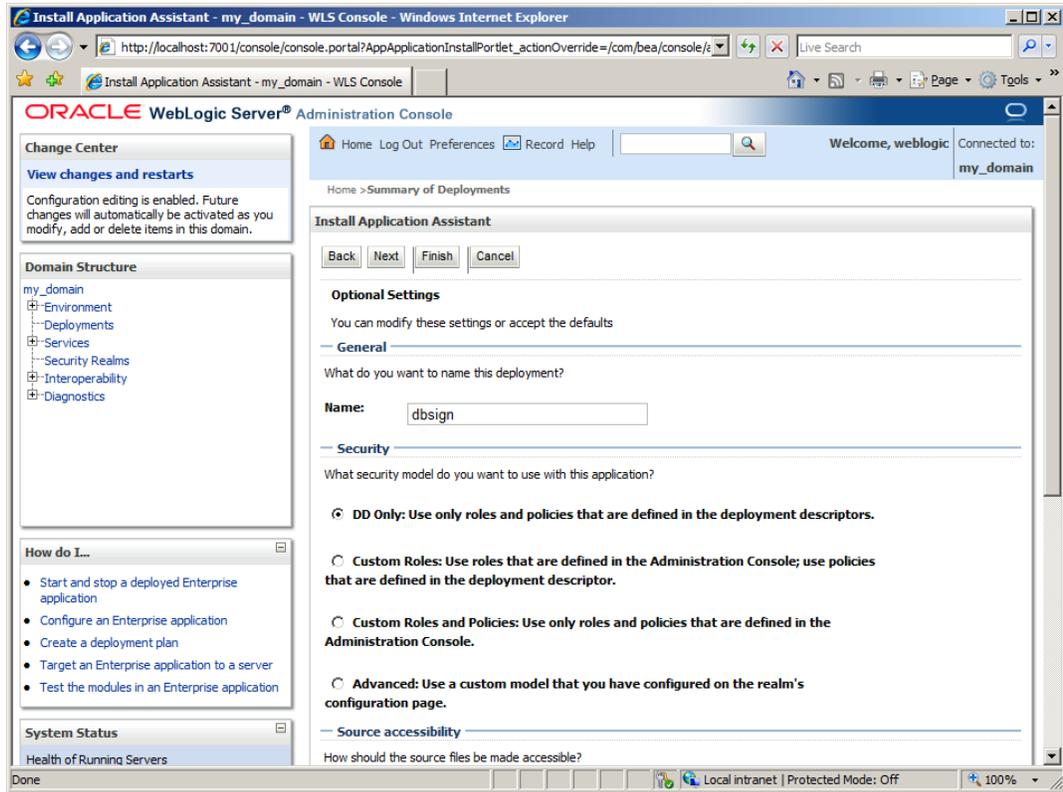
Browse to the location of your DBsign servlet files (in this example, “C:\Program Files (x86)\Gradkell Systems, Inc\DBsign Data Security Suite\HTML\Server”).

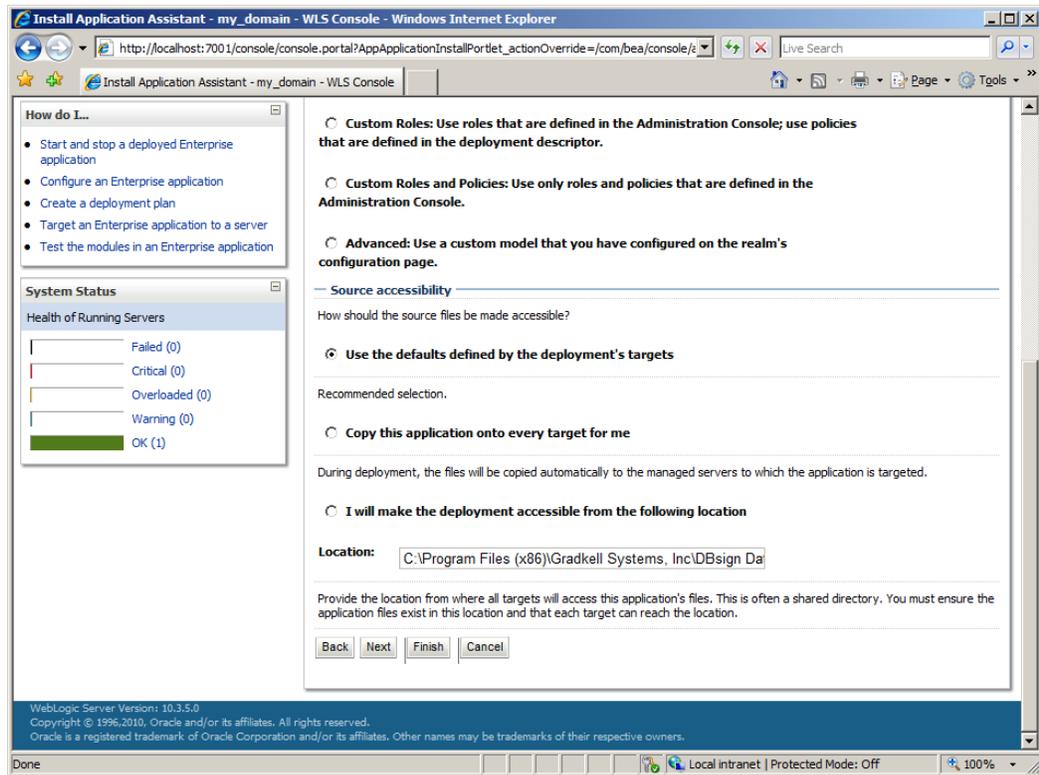


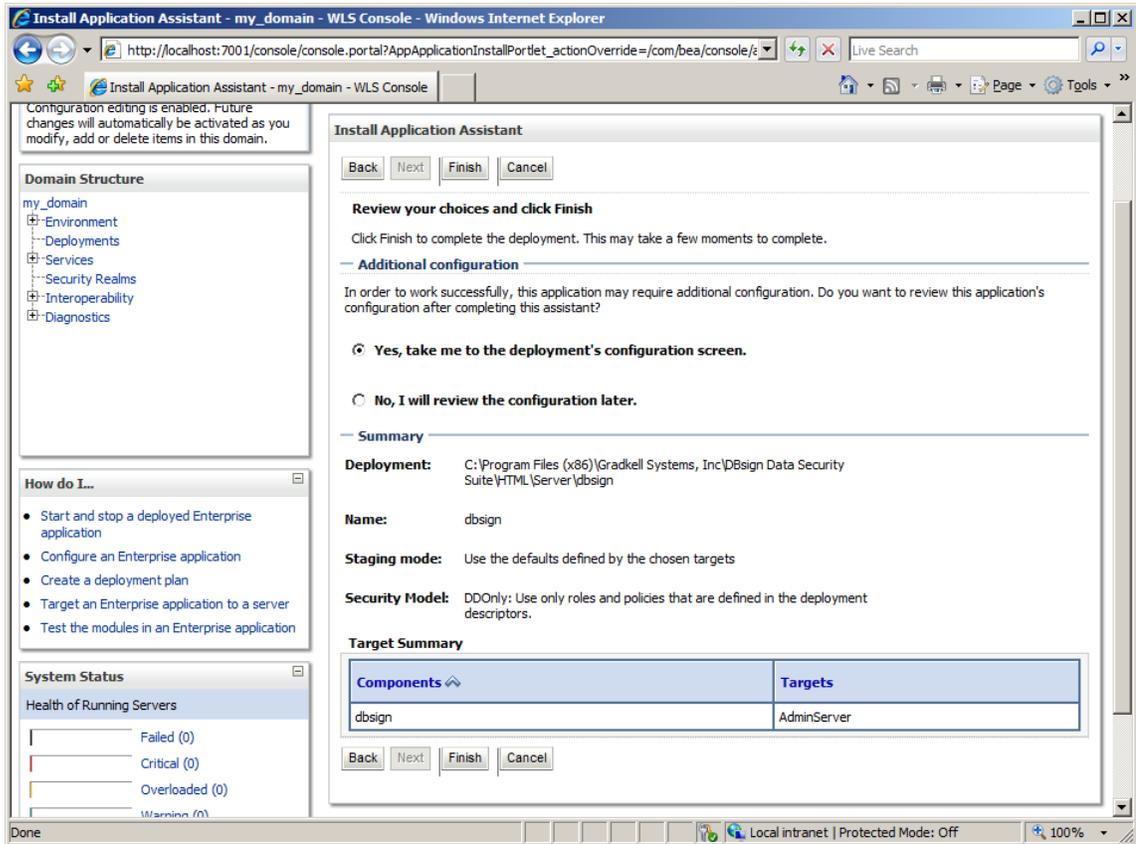
Be sure to choose the option for “dbsign (open directory)”, and not “dbsign.war”. If you choose “dbsign.war”, the DBsign server will not be able to read and write its configuration file for the reasons mentioned in section “2.1 Extracting The DBsign Servlet WAR File”.

For this purposes of this document, all of the default options were used in deploying the DBsign server application. The following screen shots show the options selected:









## 2.4 Testing the DBsign Deployment

Once these steps are performed, you should be able to navigate to the DBsign server's welcome page (<http://localhost:7001/dbsign/>):



At this point you configure your DBsign server using the DBsign Configuration Editor, as described in the DBsign product documentation.

Once your DBsign server is properly configured, you should be able to view your license information, and test your application (<http://localhost:7001/dbsign/server>):



The screenshot shows a Windows Internet Explorer browser window displaying the DBsign license information page. The page features the DBsign logo and the text "Data Security Suite" and "DBsign for HTML Applications version 4.0". Below this is a table with license details.

LICENSE INFORMATION:	
LICENSEE	Gradkell Systems, Inc.
LICENSE ID	F2E90703
LICENSED PRODUCT	DBsign for HTML Applications
LICENSED VERSION	4.x
LICENSE TYPE	DEMO
LICENSE EXPIRATION	2012-06-20 00:00:00
TIME REMAINING	347 days, 13 hours, 3 minutes, 27.629 seconds
LICENSED APPLICATION NAME	DBsign Demo Applications
APPLICATION ARCHITECTURE	CENTRALIZED
LICENSE STATUS	VALID

For more information, see the Gradkell Systems web site at [www.gradkell.com](http://www.gradkell.com).