

Update Manager

# **Installation Guide**

Version 1.0.8

11/27/2017

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**November 2017**

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# Overview

The purpose of this document is to provide instructions for the proper setup of the software needed to run Bridgeway Update Manager using one of the following Web servers:

- [Apache Tomcat Server for Microsoft Windows](#)
- [Oracle WebLogic Application Server](#)
- [IBM WebSphere Application Server for Microsoft Windows](#)

## Before You Begin

Exit all Microsoft Windows applications. We also recommend that you disable any antivirus applications that may be running.



# Installing Update Manager

## Overview

Web applications, regardless of the language or technology in which they are written, usually employ a Web server. Bridgeway Update Manager is no exception in this regard. The Web server component of the architecture is used to define and secure the Website for the application. This component hosts the Website and serves as a proxy for requests to the application.

## Apache Tomcat

### Before You Begin

Copy the .war file from the \tomcat folder on the installation media to the desktop before you begin to allow you to rename the file. When the .war file is deployed, a directory is created and the files are extracted to it. The directory name will be the .war filename. For example: `bsiupdater.war` will create a directory called `\bsiupdater`. This name also will be the context name.

The directory name is significant because it is part of Update Manager's URL. In order to reuse a shortcut when the program has been upgraded, we recommend that the .war file be copied to the desktop and then renamed to remove the version number.

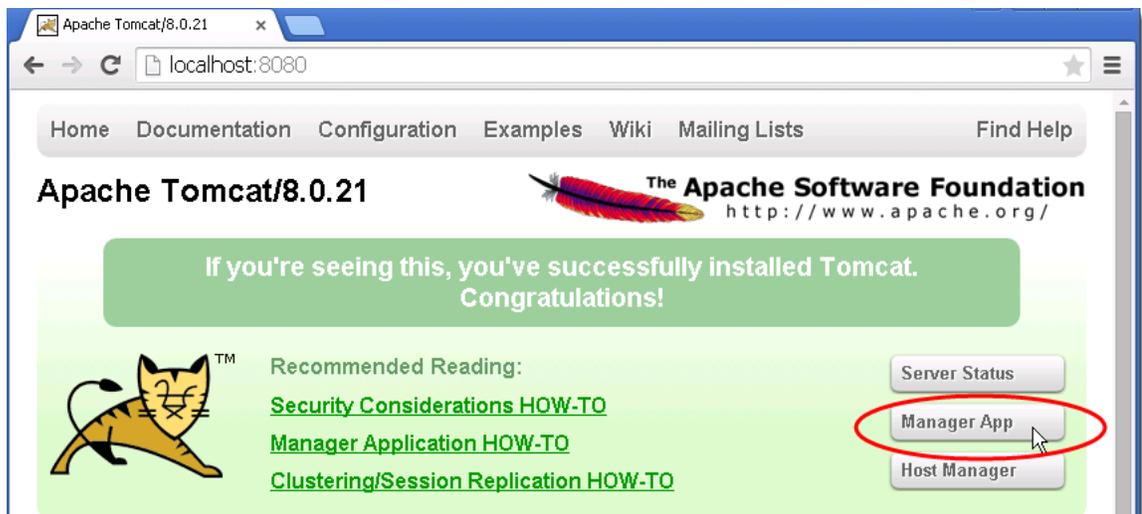
Apache Tomcat is an open source software implementation that has been released under the following license:

<http://www.apache.org/licenses/LICENSE-2.0>

### Deploying the .war File

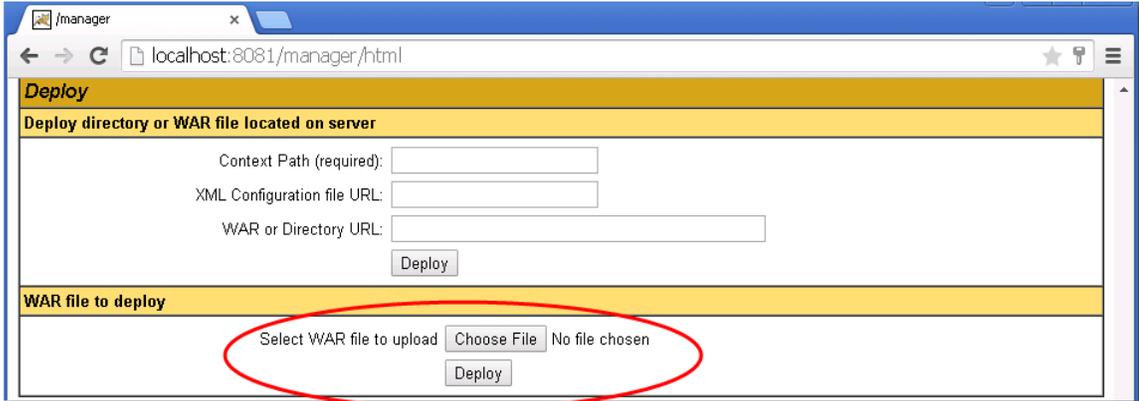
#### To Deploy the .war File:

1. Launch the Tomcat Administrative Console (in a Web browser, type <http://localhost:8080/> on the machine that is running Tomcat). Click the **Manager App** button.

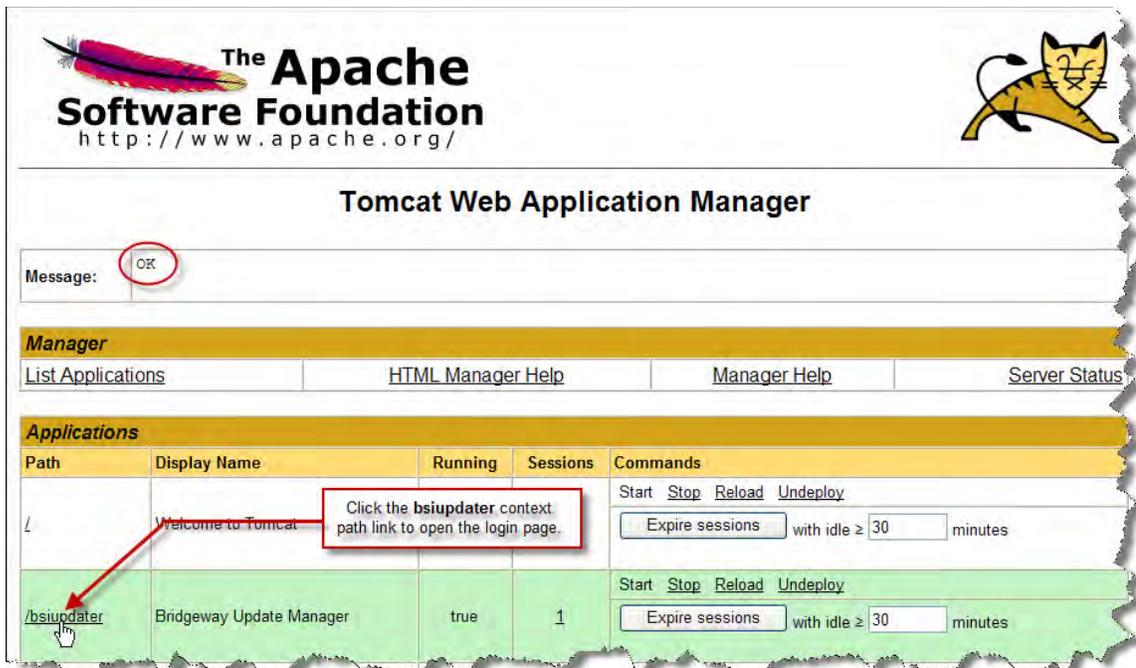


2. Login using the admin account and password specified during installation.

3. Scroll down to the *Deploy* area, and then go to the *WAR files to deploy* area. Click the **Browse** button; navigate to the location of the **.war** file, then click **Deploy**.



4. When the installation has completed, the Tomcat server will automatically start the application. Verify that the **.war** file was successfully deployed by clicking the context path.



# Oracle WebLogic Application Server

## Before You Begin

This document assumes that the WebLogic Application Server is installed in the default directory. If a different directory was used, adjust the instructions accordingly. The instructions below assume you are installing on WebLogic Version 12c.

## Deploying the .war File

### To Deploy the .war File:

1. Create a directory called **bsiupdater** under `<Install>/user_projects/domains/mydomain/<ServerName>`, where `<Install>` is the installation application directory for the web server and `<ServerName>` is the name of the machine on which the WebLogic installation resides.
2. Locate the **.war** file in the appropriate subdirectory under **tomcat** on the installation media. Unzip the **.war** file into the newly created **bsiupdater** directory.
3. Launch the WebLogic Administrative Console, and click the **Deployments** in the Domain Structure area. Click **Install**.

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: base\_domain

Home > Summary of Servers > Suite8server > Summary of Asynchronous Tasks > Summary of Servers > Suite8server > Summary of Environment > Summary of Servers > Suite8server > Summary of Deployments

**Change Center**

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

**Domain Structure**

- base\_domain
  - Environment
    - Servers
    - Clusters
      - Coherence Clusters
      - Machines
      - Virtual Hosts
      - Work Managers
      - Startup and Shutdown Classes
    - Deployments**
    - Services
    - Security Realms
    - Interoperability
    - Diagnostics

**Summary of Deployments**

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

**Deployments**

Install Update Delete Start Stop Showing 0 to 0 of 0 Previous Next

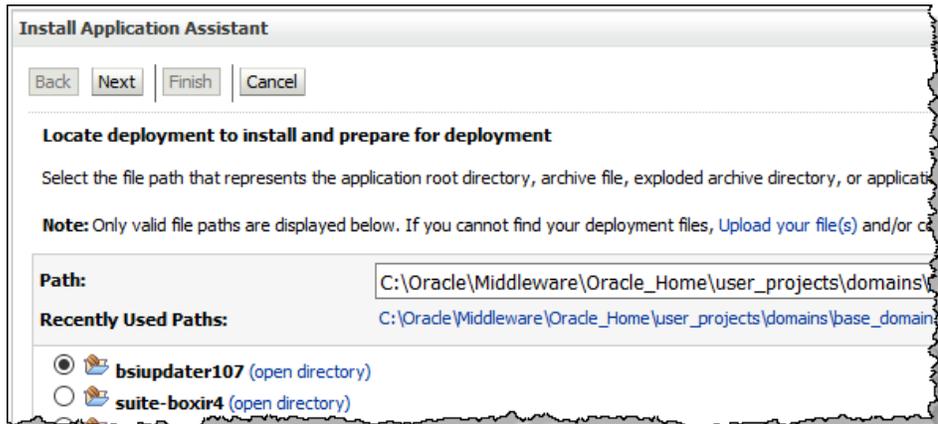
Name	State	Health	Type	Targets	Deployment Order
There are no items to display					

Install Update Delete Start Stop Showing 0 to 0 of 0 Previous Next

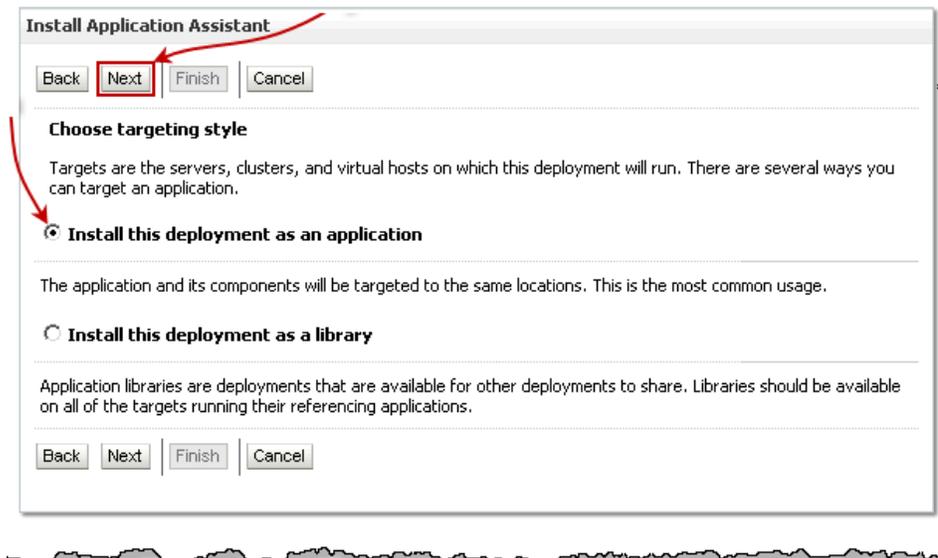
How do I...

- Install an enterprise application
- Configure an enterprise application
- Update (redeploy) an enterprise application
- Start and stop a deployed enterprise application

4. Navigate to the `<Install>/user_projects/domains/mydomain/<ServerName>/bsiupdater` directory, click on the `bsiupdater` radio button, then click the **Next** button.



5. Confirm that *Install this deployment as an application* is selected, then click **Next**.



6. Select the server (or cluster if you are deploying on an environment with clusters) on which you want to deploy, then click the **Next** button.

**Install Application Assistant**

Back Next Finish Cancel

**Select deployment targets**

Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).

**Available targets for bsiupdater107-1 :**

**Servers**

AdminServer

**Clusters**

Cluster1

All servers in the cluster

Part of the cluster

ServerCluster1

ServerCluster2

Back Next Finish Cancel

7. Click on the *I will make the deployment accessible from the following location* radio button, then click the **Finish** button.

**Install Application Assistant**

Back Next Finish Cancel

**Optional Settings**

You can modify these settings or accept the defaults.  
\* Indicates required fields

**General**

What do you want to name this deployment?

\* Name:

**Security**

What security model do you want to use with this application?

**DD Only: Use only roles and policies that are defined in the deployment descriptors.**

Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.

Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.

Advanced: Use a custom model that you have configured on the realm's configuration page.

**Source Accessibility**

How should the source files be made accessible?

Use the defaults defined by the deployment's targets

Recommended selection.

Copy this application onto every target for me

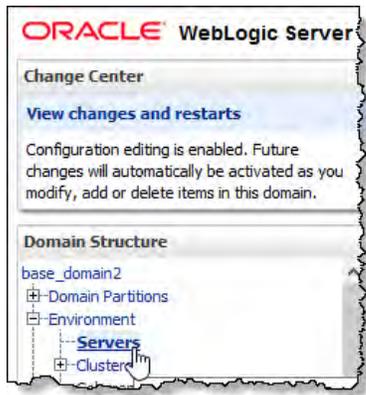
During deployment, the files will be copied automatically to the Managed Servers to which the application is targeted.

**I will make the deployment accessible from the following location**

Location:

Provide the location from where all targets will access this application's files. This is often a shared directory. You must ensure the application files exist in this location and

- Expand the **Environment** node in the **Domain Structure** area and click **Servers**.



- Select the **Control** tab. Click the checkbox next to each deployment you want to run, and then click the **Start** button.

## IBM WebSphere Application Server

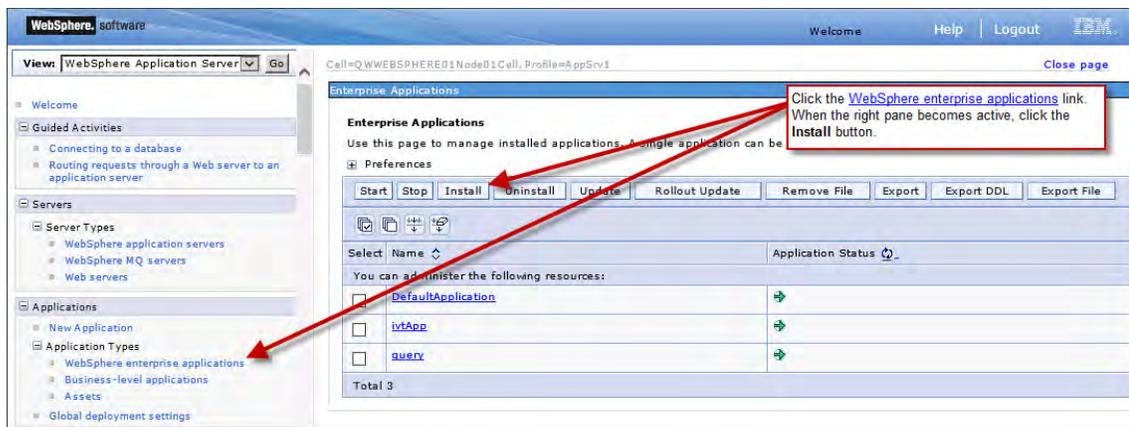
### Before You Begin

This document assumes that the IBM WebSphere Application Server is installed in the default directory (**C:\WebSphere\AppServer** for Microsoft Windows). If a different directory was used, adjust the instructions accordingly.

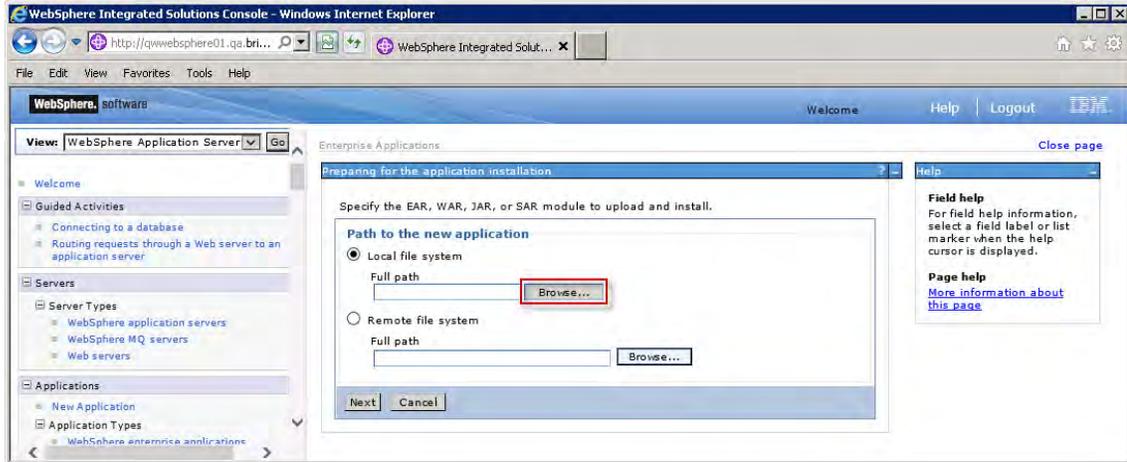
### Deploying the .ear File

#### To Deploy the .ear File:

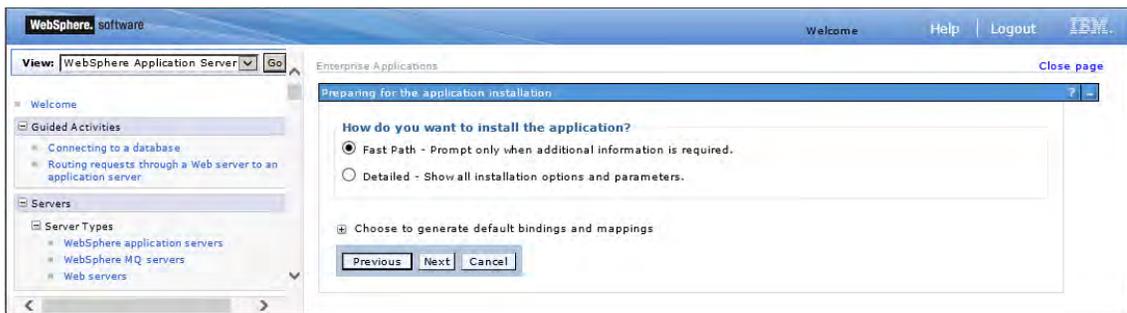
- Launch the WebSphere Administrative Console. In the **Applications** node on the left pane of the Administrative console, click the **WebSphere Enterprise Applications** link. When the **Enterprise Applications** screen opens, click **Install**.



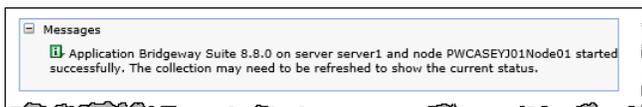
- Click the **Browse** button and navigate to the appropriate folder under **WebSphere** on the installation media. Select the **.ear** file, and click the **Next** button.



- Accept the default *Fast Path* option, and click the **Next** button.



- On the **Installation New Applications** screen, click **Next** to accept the default setting.
- On the **Map modules to servers** screen, click the checkbox for the application, and click **Next**.
- Type the context root name, and click **Next**.
- Click the **Finish** button.
- After the new application has been installed, click the **Save** link to save your changes to the master configuration.
- In the Enterprise Applications pane on the WebSphere Administrative Console, select the newly installed application and click the **Start** button.  
A message appears indicating that the application started. The Application Status icon changes from  to . You may have to click refresh  to see the change.





# Troubleshooting Installation

## Upgrade Installation

When upgrading to Update Manager Version 1.0.8, the Online Updates URL on the **Settings** page automatically is populated with the value of <https://um.mitracloud.com/>, where update releases are stored to be downloaded. For some Java application servers (primarily Oracle WebLogic), you may need to accept a Secure Sockets Layer (SSL) Digital Certificate for your Java server's keystore when you import the first update release.

If you do not upgrade your current Update Manager, you will need to edit the current value of this field to the value above.

## Oracle WebLogic Application Server

**Problem:** When starting up the Update Manager 1.x application, the server returns an error that WebLogic java.io.FileNotFoundException: (Too many open files).

**Solution:** Add the following statement to the startup script: `ulimit -n 4096`

## Browser Issues

**Problem:** Graphical elements of Update Manager do not function properly.

**Solution:** Make sure that you have images turned on in your browser; otherwise, the graphics used by Bridgeway Update Manager may not display properly or may cause errors.

**Problem:** "Pop-up blocked" when using Update Manager.

**Solution:** If pop-up blocker is being used, always allow pop-ups from the site you are using to view Update Manager.

