



## IBM URBANCODE DEPLOY & ORACLE WEBLOGIC APPLICATION DEPLOYMENT

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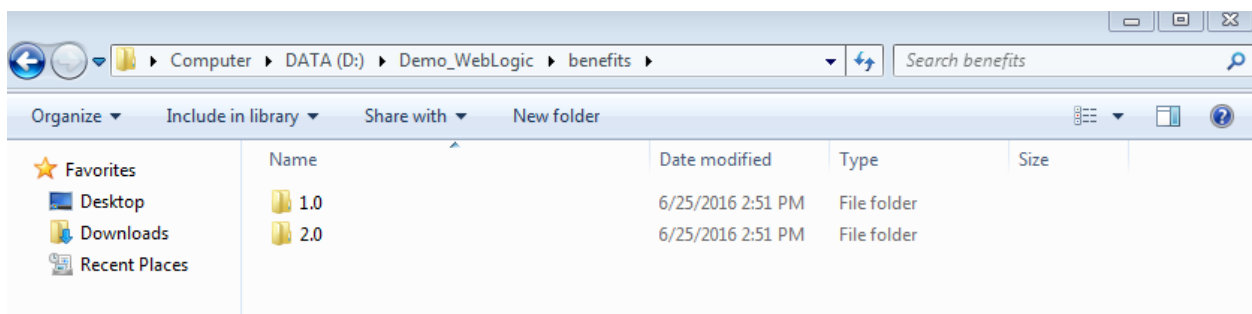
UrbanCode Deploy has a plugin to automate activities carried out on WebLogic Server “Oracle WebLogic Application Deployment”.

To deploy an application in Oracle WebLogic using IBM UrbanCode Deploy, it is necessary to start your WebLogic.

- To start WebLogic :
  - `%Oracle_Home%\user_projects\domains\base_domain\startWebLogic.cmd`
- I then run :
  - `%Oracle_Home%\wlserver\server\bin\setWLSEnv.cmd`
- Finally I start Node Manager :
  - `%Oracle_Home%\user_projects\domains\base_domain\bin\startNodemanager.cmd`

## Installing the application:

Download some sample .war file and place it on File System as: Version1 & Version2



On the UrbanCode front do the following:

Create a component

Create a *component* to add the war file and set the *Source Config Type* set to *File System (Versioned)* as *Import Versions Automatically* checked.

## Basic Settings

Name *	<input type="text" value="Component-Webgogic-WAR"/>
Description	<input type="text"/>
Teams	<span>Comcast-Dev x</span> <span>+</span>
Template	<input type="text" value="None"/>
Component Type	<input type="text" value="Standard"/> ?
<hr/>	
Version Source Configuration	
Source Configuration Type	<input type="text" value="File System (Versioned)"/>
Base Path *	<input type="text" value="D:\Demo_WebLogic\benefits"/>
Preserve Execute Permissions	<input type="checkbox"/>
Text File Extensions	<input type="text" value=".txt,.log,.properties"/>
Import Versions Automatically	<input checked="" type="checkbox"/>
Copy to CodeStation	<input checked="" type="checkbox"/>
Default Version Type *	<input type="text" value="Full"/>
	<input checked="" type="radio"/> Use the system's default version import agent/tag.
	<input type="radio"/> Import new component versions using a single agent.
	<input type="radio"/> Import new component versions using any agent with the specified tag.
<hr/>	
Cleanup Configuration	
Inherit Cleanup Settings	<input checked="" type="checkbox"/>
Run Process after a Version is Created	<input type="checkbox"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

The versions will be imported automatically.

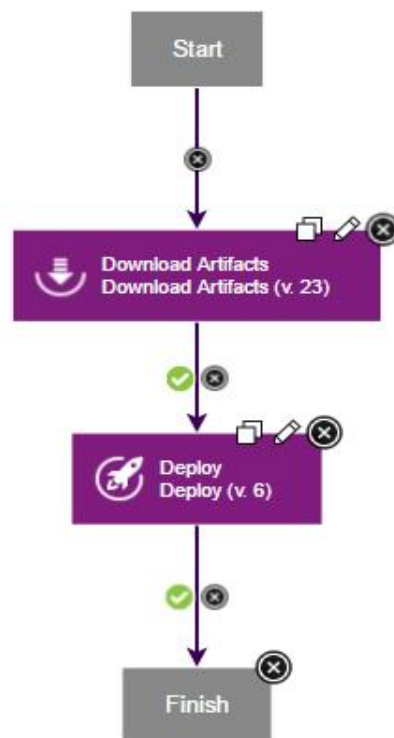
## Create a component process

Create a Component process **“Deploy”** for the Component that has two steps *“Download Artifacts”* step (default) and *“Deploy”* (WebLogic)

For deploy step enter the following:

- Deployment Name : **sample**
- AdminURL : t3://<hostnameofweblogicserver:port>
- User Name : User ( or username you set while installing WebLogic )
- Password: password for your WebLogic server
- Target: Name of your Target server
- Source : **sample.war**
- Deployment Classpath: leave it as is, we shall create property in Resource later.

The screenshots are shown below:



## Edit Properties



**Name \***

**Directory Offset \***

**Artifact Directory Offset**

**Includes \***  

**Excludes**

**Sync Mode**  ▾

**Full Verification**

**Set File Execute Bits**

**Verify File Integrity**

**Charset**

**Working Directory**

▾

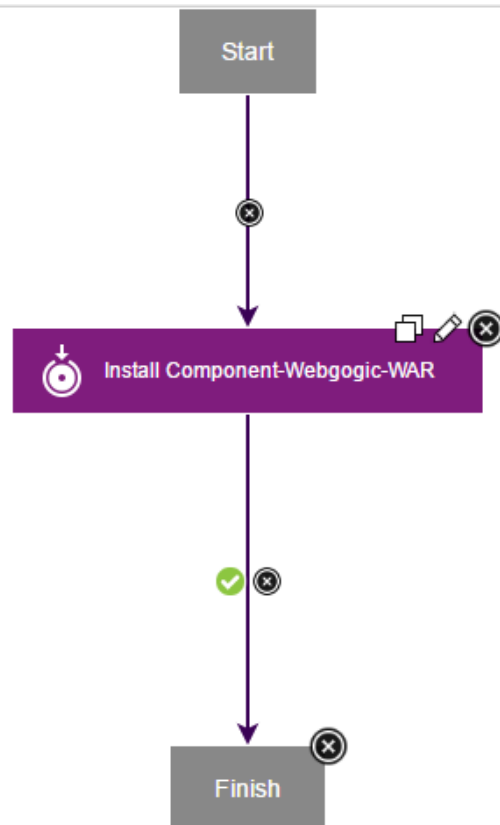
## Edit Properties



<b>Name *</b>	<input type="text" value="Deploy"/>
<b>Deployment Name</b>	<input type="text" value="benefits"/>
<b>Admin URL *</b>	<input type="text" value="t3://localhost:7001"/>
<b>User Name *</b>	<input type="text" value="Sachin"/>
<b>Password *</b>	<input type="password" value="****"/>
<b>Targets</b>	<input type="text" value="AdminServer"/>
<b>Source *</b>	<input type="text" value="benefits.war"/>
<b>Deployment Classpath *</b>	<input type="text" value="\${p:resource/deployer-classpath}"/>
<b>No Stage</b>	<input type="checkbox"/>
<b>Library Job</b>	<input type="checkbox"/>
<b>Additional Arguments</b>	<input type="text"/>
<b>Working Directory</b>	<input type="text"/>
<b>Post Processing Script</b>	<input type="text" value="Step Default"/> <input type="button" value="New"/>
<b>Precondition</b>	<input type="text"/>

## Create an application

Create *Application*, add your *Component* to the *Application* and also create Application Process to deploy the *Component* using Component Process “*Deploy*”



## Create a resource group

Create a *Resource Group* and add agent along with *Component* as shown below.

The screenshot shows the 'Resource Tree' interface. At the top, there are tabs for 'Resource Tree', 'Resource Templates', 'Agents', 'Agent Pools', and 'Cloud Connections'. Below the tabs are buttons for 'Create Top-Level Group', 'Select All...', 'Actions...', and 'Show'. On the right, there are 'Expand All' and 'Collapse All' links. The main area is a table with columns: Name, Inventory, Status, and Description. The table contains the following data:

Name	Inventory	Status	Description
Web_Logic			
Web_Logic Demo			
Sachin (View Agent)		Online	
Component-Webgogic-WAR	3		

At the bottom left, there are 'Refresh' and 'Print' links.

## Create a property in resource group

In *Resource Group* create property **deployer-classpath** and add path to weblogic.jar (%Oracle\_Home%\wlserver\server\lib\weblogic.jar) as shown in screenshot below.

The screenshot shows the 'Resource Properties' configuration page for 'Web\_Logic Demo'. The page has tabs for 'Main', 'Inventory', 'History', 'Configuration', and 'Changes'. The 'Configuration' tab is active. The main area is titled 'Resource Properties' and shows 'Version 2 of 2'. There are 'Add Property' and 'Batch Edit' buttons. Below these is a table with columns: Name, Value, Description, and Actions. The table contains the following data:

Name	Value	Description	Actions
deployer-classpath	D:\Softwares\Web_Logic\wlserver\server\lib\weblogic.jar		Edit Delete

At the bottom left, there is a '1 record - Refresh Print' link. At the bottom right, there is a 'Rows 10' dropdown menu.

# Create an environment

In *Application*, create environment **DEV** in and add *resource group* to it.

Application: Application-Weblogic-WAR

Created By: admin  
Created On: 6/25/2016, 11:35 AM

Environments | History | Configuration | Components | Blueprints | Snapshots | Processes | Calendar | Changes

Create Environment Drag environments by their names to re-order them. 1 Environment

Search by Name or Search by Blueprint Expand All Collapse All

▶ Dev Snapshot: None Compliance: 1 / 1

Environment: Dev for Application-Weblogic-WAR

Resources | History | Calendar | Configuration | Changes

Compliant: 1/1

Add Base Resources Select All... Actions... Show Expand All Collapse All

<input type="checkbox"/>	Name	Inventory	Status	Description
	<input type="text" value="Resource Name"/> <input type="text" value="Tags"/>	<input type="text"/>		<input type="text"/>
	▼ Web_Logic Demo			
⋮	▼ Sachin (View Agent)		Online	
⋮	Component-Webgogic-WAR	3		

[Refresh](#) [Print](#)

## Run Environment

We are now ready to deploy. While deploying select Version of your Component to deploy. Deployment will be successful as shown below.

Deployment of Component: Component-Webgogic-WAR

Process: Deploy (Version 2)  
Version: 3  
Resource: Component-Webgogic-WAR  
Agent: Sachin  
Date: 6/25/2016, 12:32 PM  
Requested By: admin

Log Properties

Execution ☑ Dock timeline at top

Start: 12:32:19 PM      Progress: 2 / 2      Status: Success      Duration: 0:00:38      End: 12:32:58 PM

Download All Logs Expand All Collapse All

Step	Progress	Start Time	Duration	Status
1. Download Artifacts	::	12:32:19 PM	0:00:16	Success
2. Deploy	::	12:32:36 PM	0:00:21	Success
Total Execution	2 / 2	12:32:19 PM	0:00:38	Success

## Login to WebLogic

Login to <http://localhost:7001/console> and check same by navigating to base-domain->Deployments.

Customize this table

**Deployments**

Install Update Delete Showing 1 to 3 of 3 Previous | Next

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
benefits	Active	OK	Web Application	AdminServer	Global		100
tpetstore	Active	OK	Web Application	AdminServer	Global		100
state-management-provider-memory-rar	Active	OK	Resource Adapter	AdminServer	Global		100

Install Update Delete Showing 1 to 3 of 3 Previous | Next

Navigate to application

Navigate and access the application at <http://localhost:7001/sample>.

