

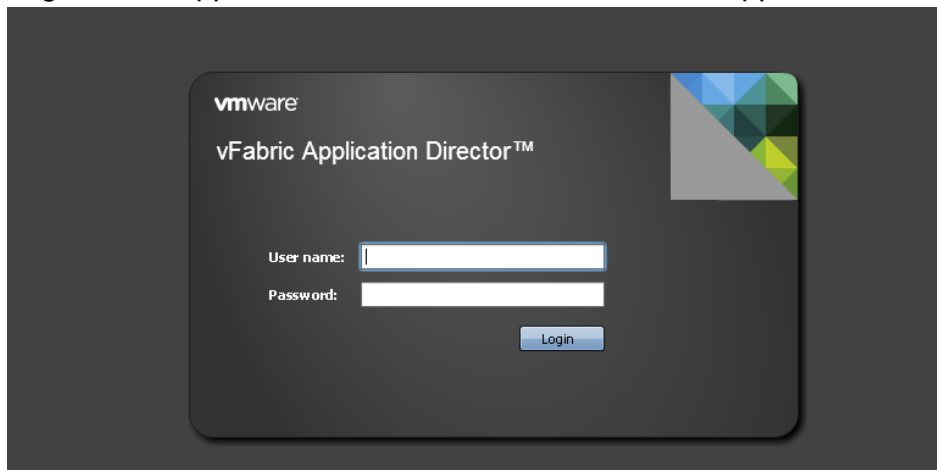
Create WSO2 ESB application

Prerequisites

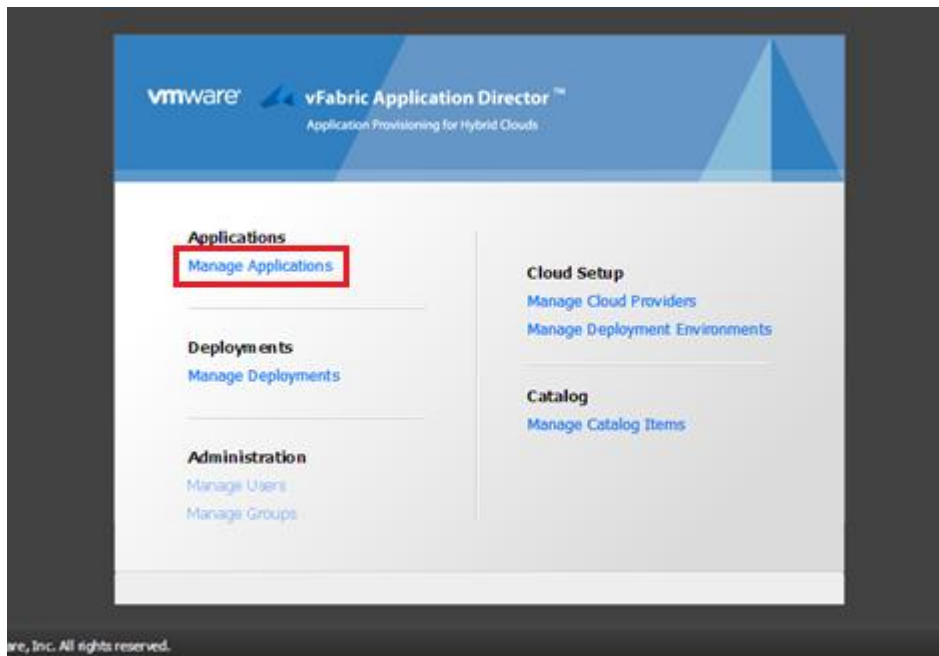
1. Install and configure VMware vFabric Application Director with vCloud Director.
2. Add WSO2 ESB as a service in the Application Director Catalog.


Steps

1. Login to the Application Director with a user that has application architect rights.



2. Click on **Manage Applications**. This will take you to the list view of all applications.



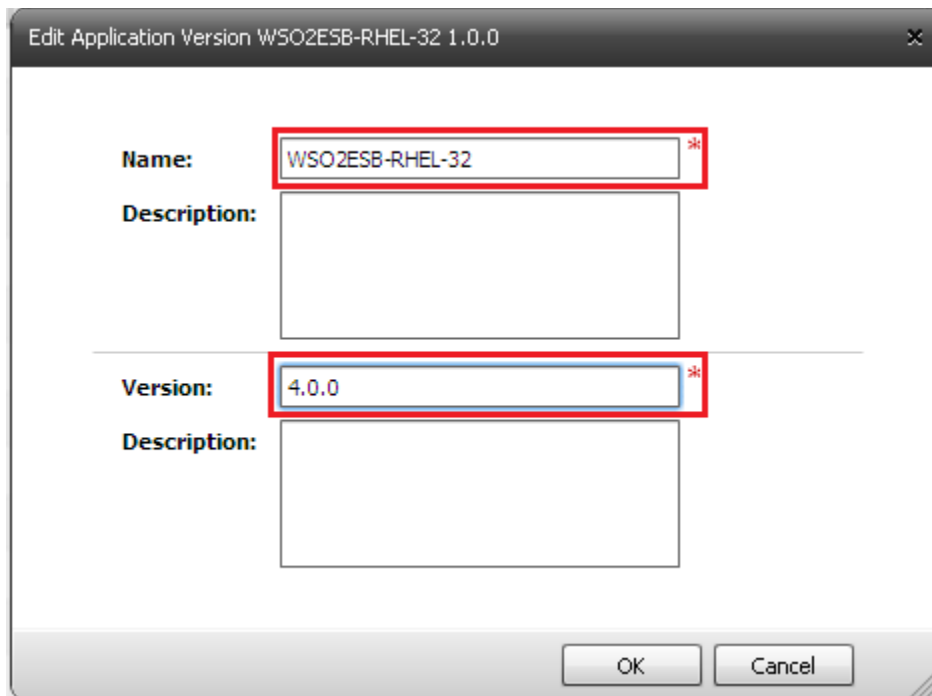
3. Click on  to add a new application.



The screenshot shows the VMware vFabric Application Director web interface. At the top, there's a navigation bar with tabs for Applications, Deployments, Catalog, and Cloud Providers. Below the navigation bar, a status bar indicates 'Total Number of Applications: 87 Applications'. A green plus icon is highlighted in a red box. Below this is a table with columns: Name, Description, Version, Description, Created ..., Created By, Last Up..., and Last ... The table contains three rows of application data.

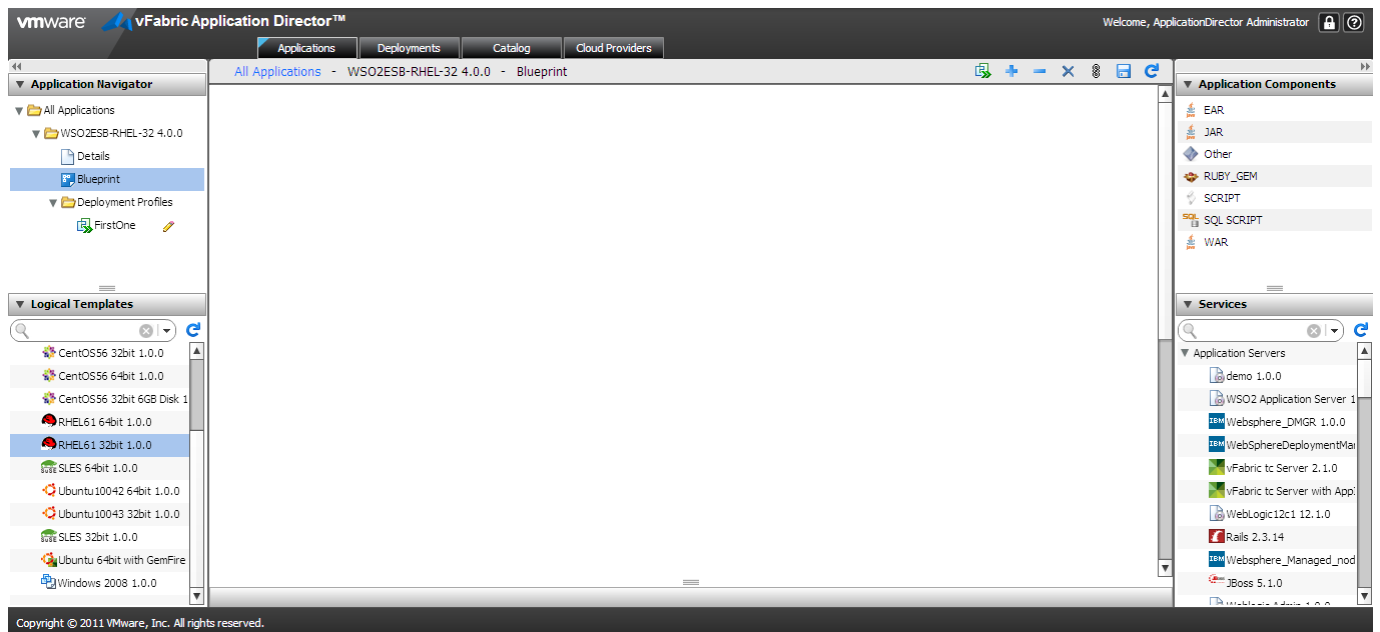
Name	Description	Version	Description	Created ...	Created By	Last Up...	Last ...
Alfresco		1.0.0		2012-05-18	admin	2012-07-11	admin
apache http server		1.1.0		2012-04-26	admin	2012-06-20	admin
Cloud_Foundry_QA	Cloud_Foundry_QA	1.0.0		2012-02-20	admin	2012-02-21	admin

4. Provide the following required details
Name: LAMP_Stack
Version: 1.7.7
Click **OK**

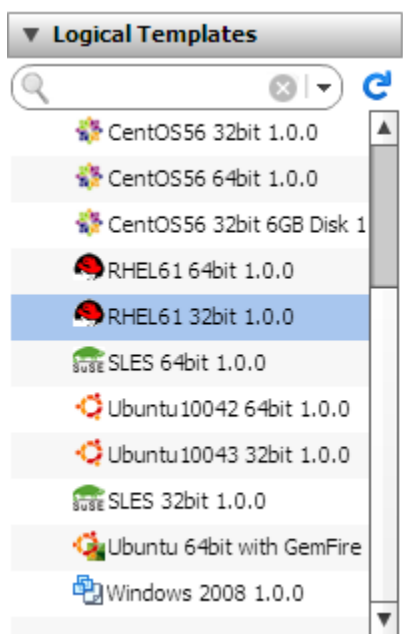


The screenshot shows a dialog box titled 'Edit Application Version WSO2ESB-RHEL-32 1.0.0'. It contains two sections. The first section has a 'Name:' label and a text input field containing 'WSO2ESB-RHEL-32', which is highlighted with a red box. Below it is a 'Description:' label and a large empty text area. The second section has a 'Version:' label and a text input field containing '4.0.0', which is also highlighted with a red box. Below it is another 'Description:' label and a large empty text area. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

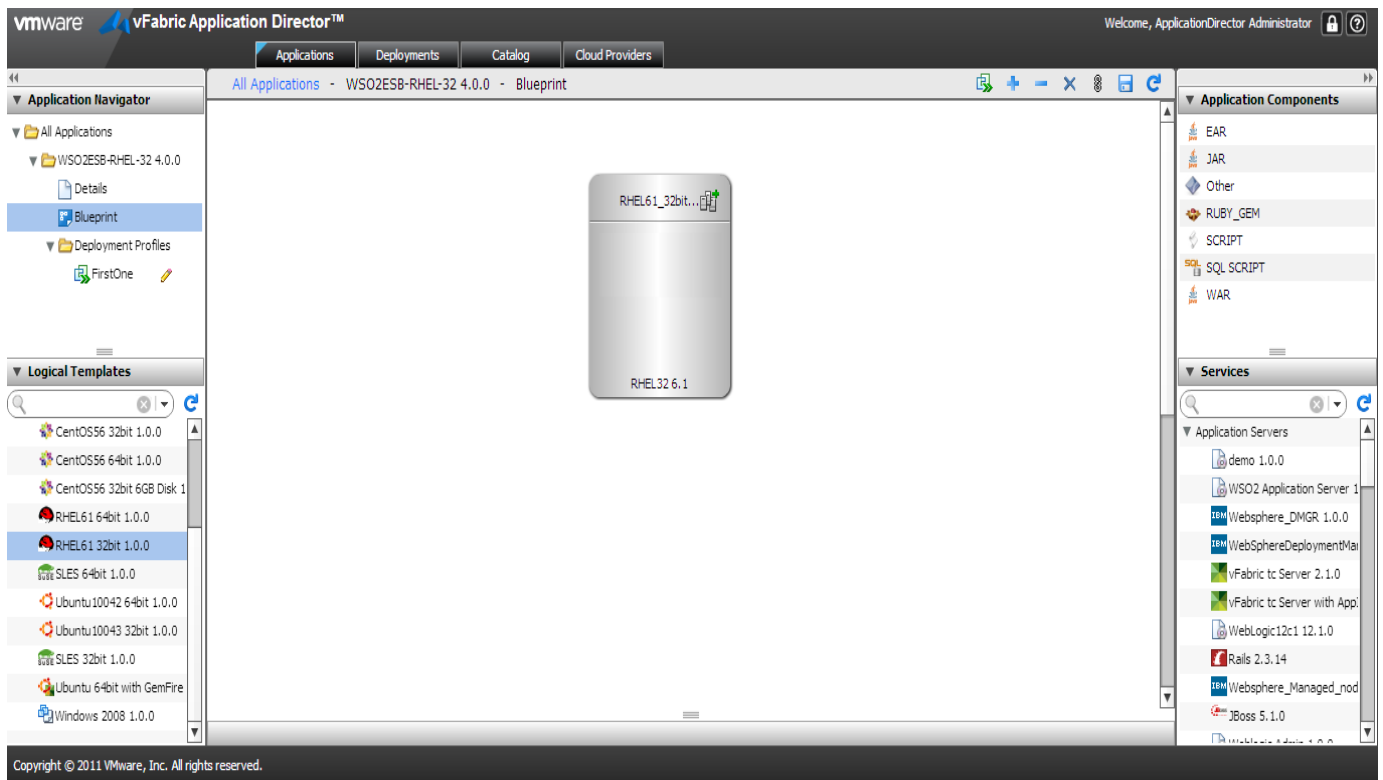
5. On successful application creation, the user will be re-directed to the blueprint editor page.



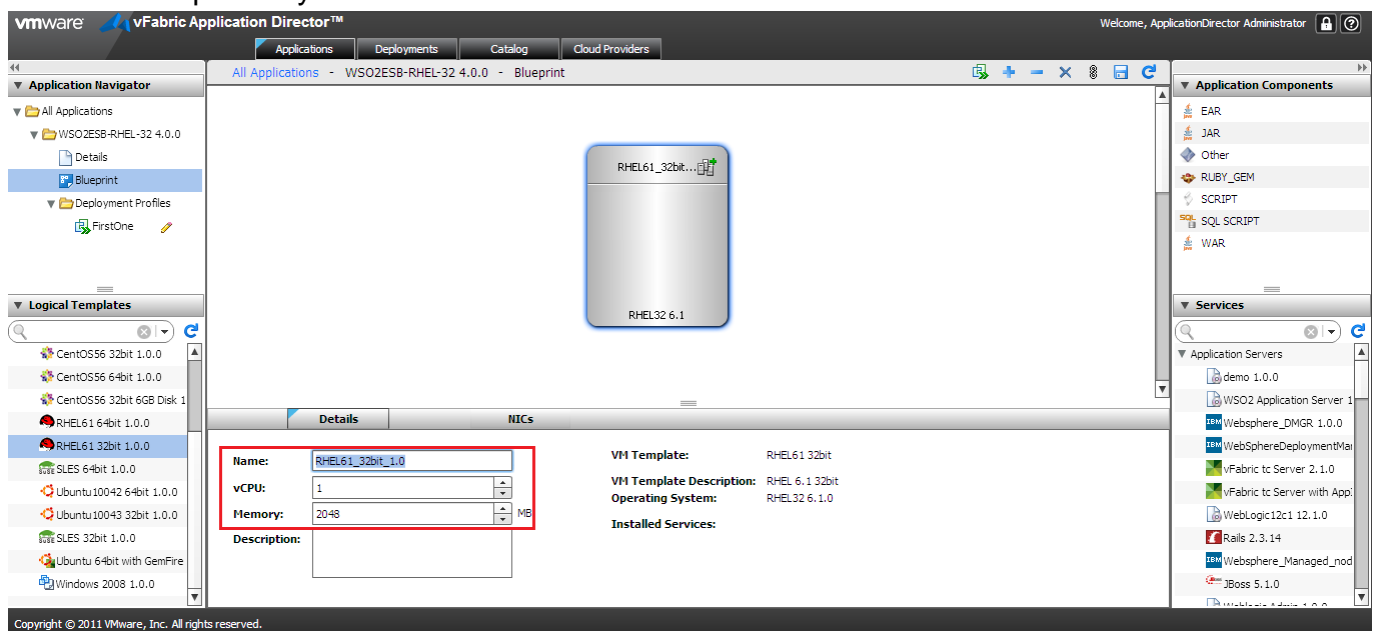
6. You will see **Logical Templates** on the bottom left.
7. Drag & drop any template of Linux flavor for example RHEL61-32bit 1.0.0 in the central white canvas area. This template needs to have been uploaded and registered in the cloud provider.



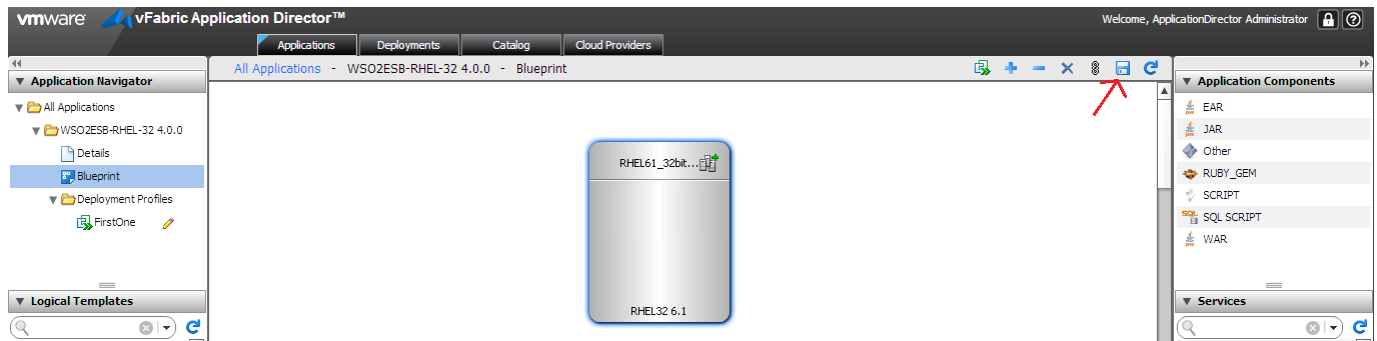
8. Now we will have a node in the canvas.



9. Select the dragged node. In the **Details** pane, **RHEL6_32bit_1.0** in the name field, this will be the hostname for this node. Keep the vCPU and Memory to their default values which is **1** and **2048** respectively.

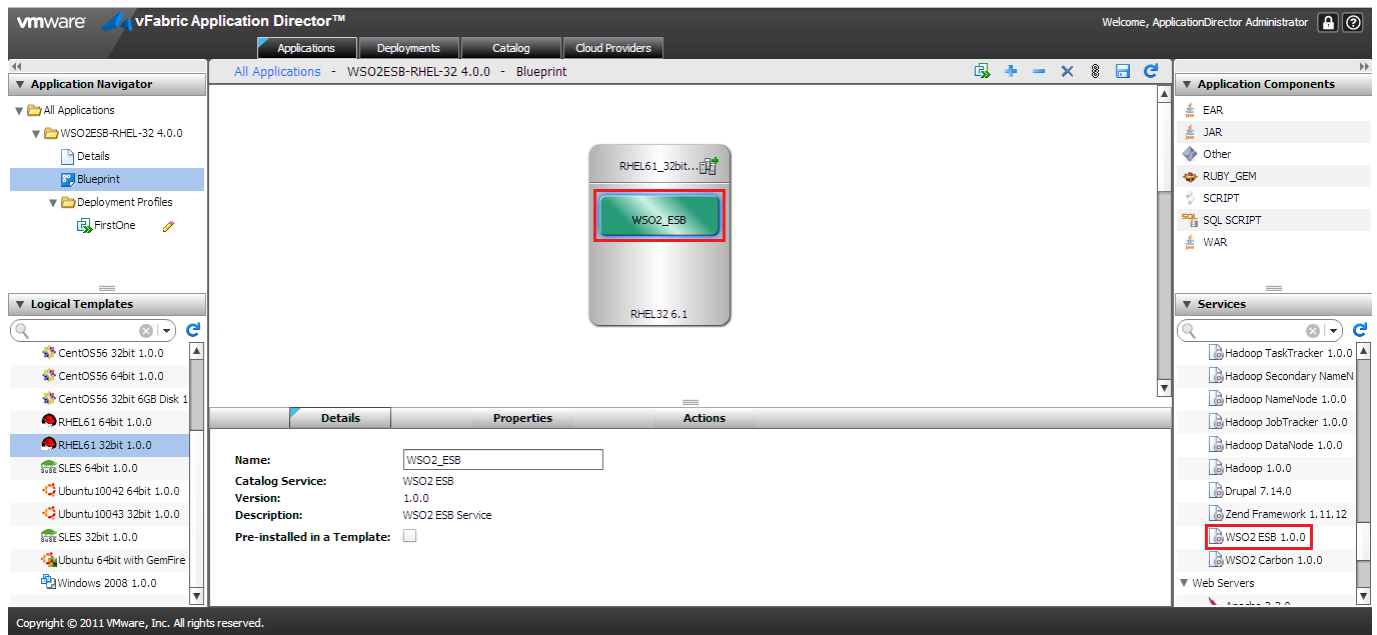


10. Save the application.

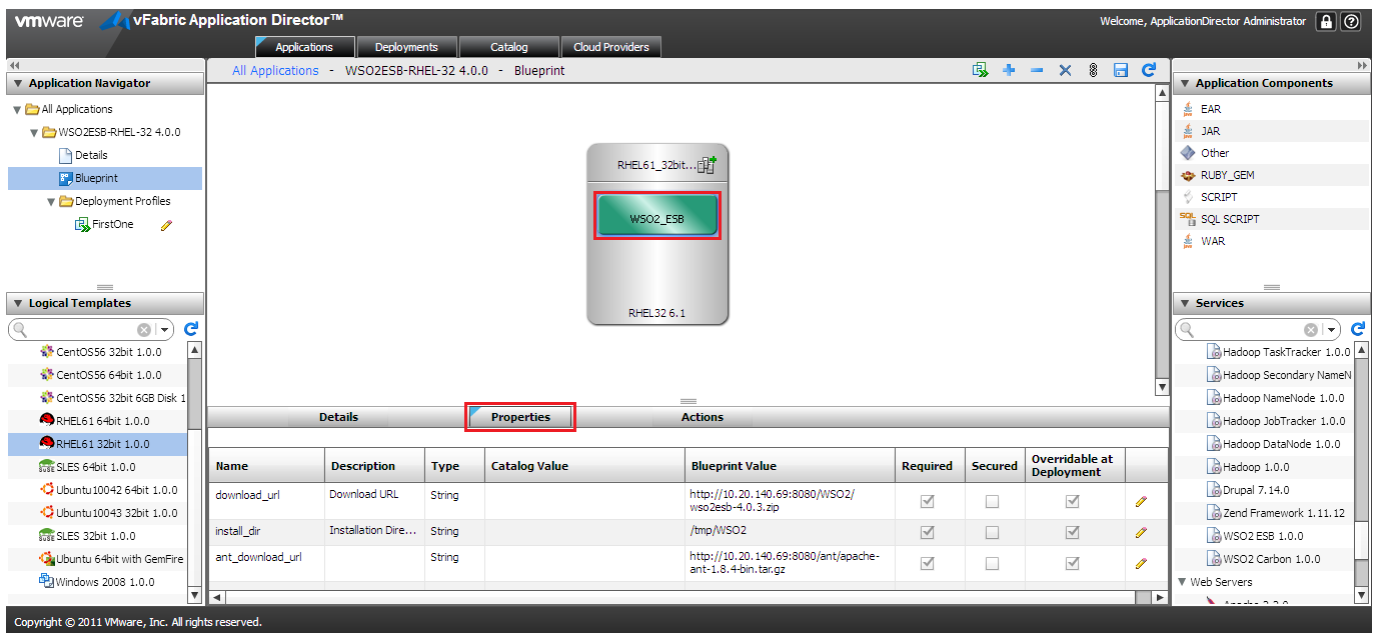


Configuring

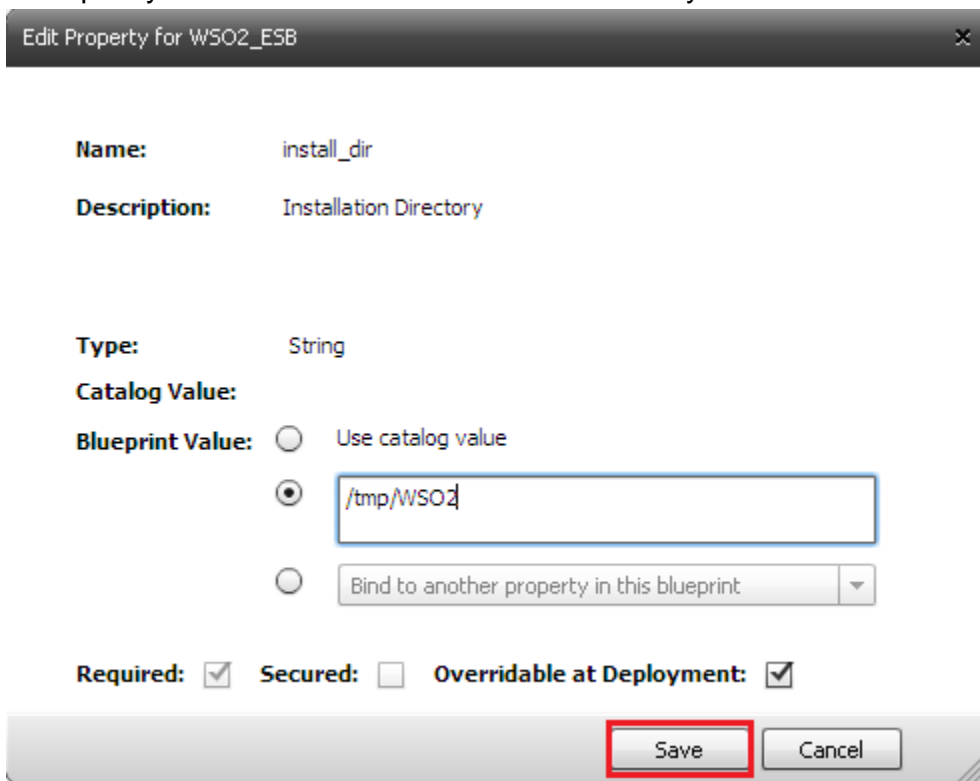
1. From the Services panel on the bottom right, drag and drop the service labeled WSO2 ESB on the RHEL Node.



2. Click on the WSO2 ESB service and go to **properties** tab in the lower pane.



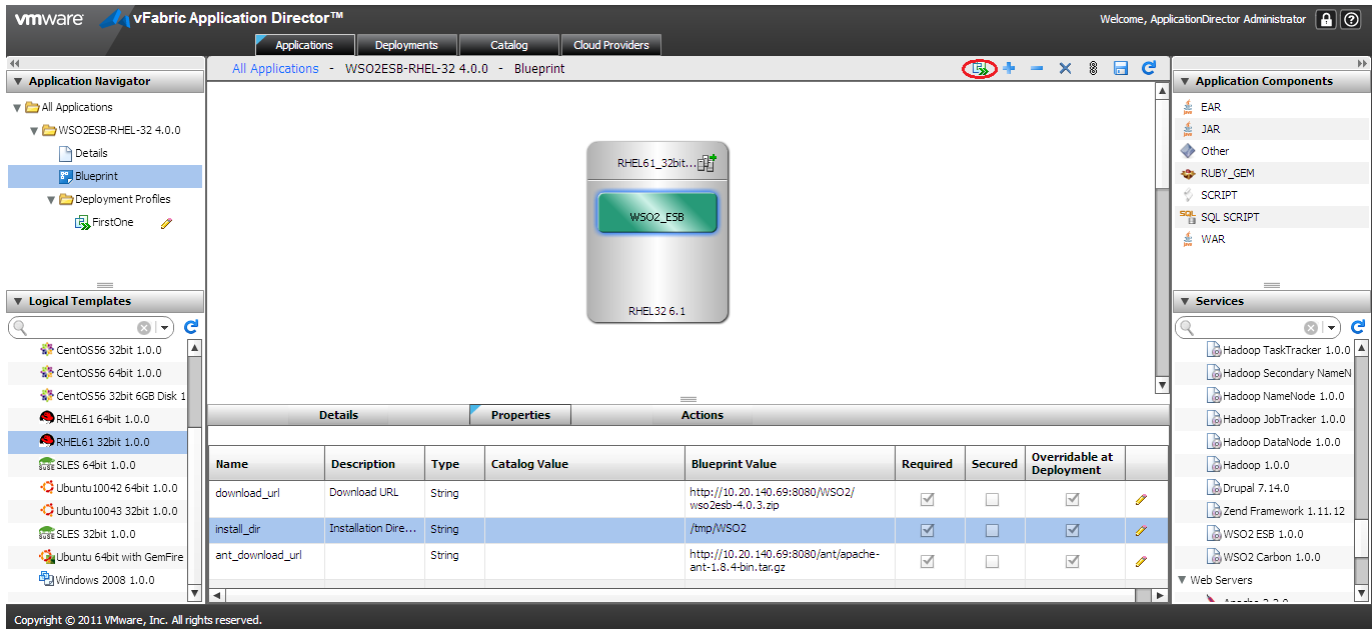
3. Scroll down **install_dir** property. Double Click this value then click on the second radio button and specify the location for the installation directory.



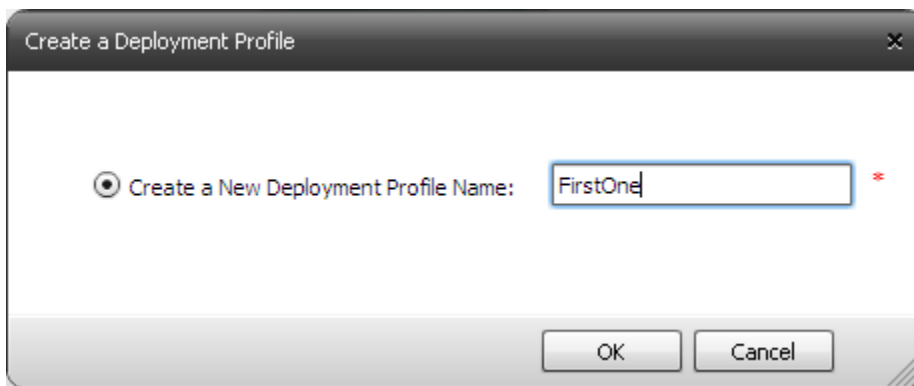
4. Save the Blueprint.

Deploying the WSO2 ESB application

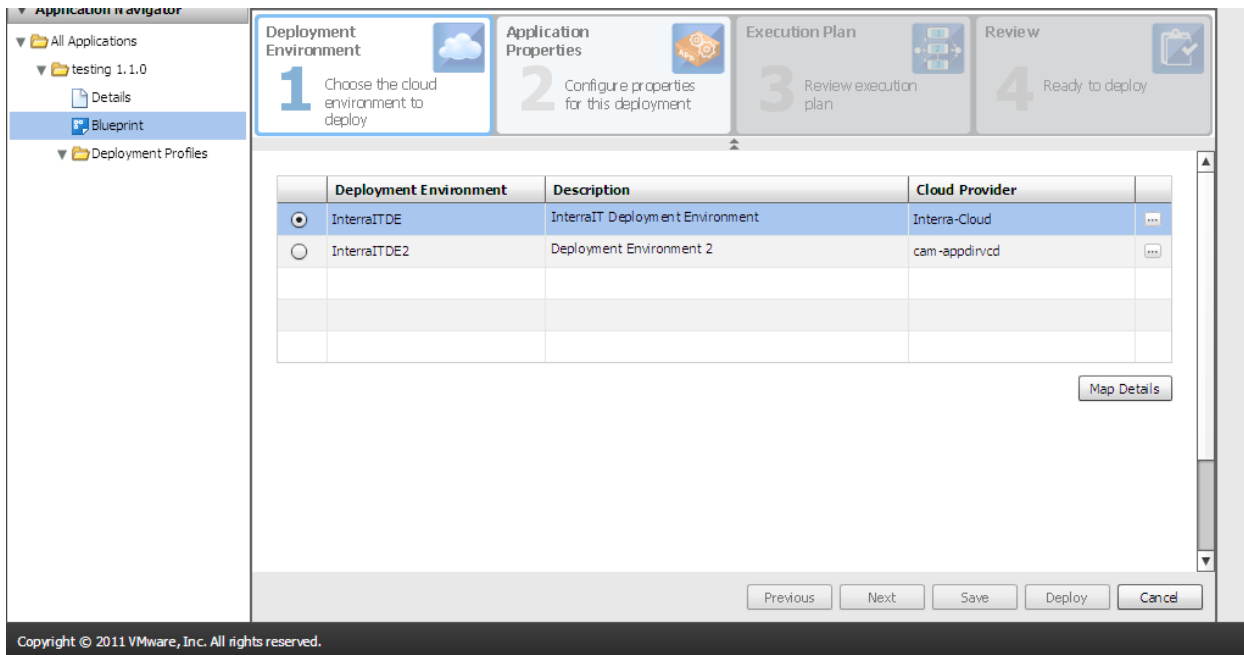
1. Login to the Application Director UI with the user which has the deployment rights.
2. Click on the WSO2 ESB Application in the Application List page.
3. Click on the Deploy Tab on the Blueprint page.



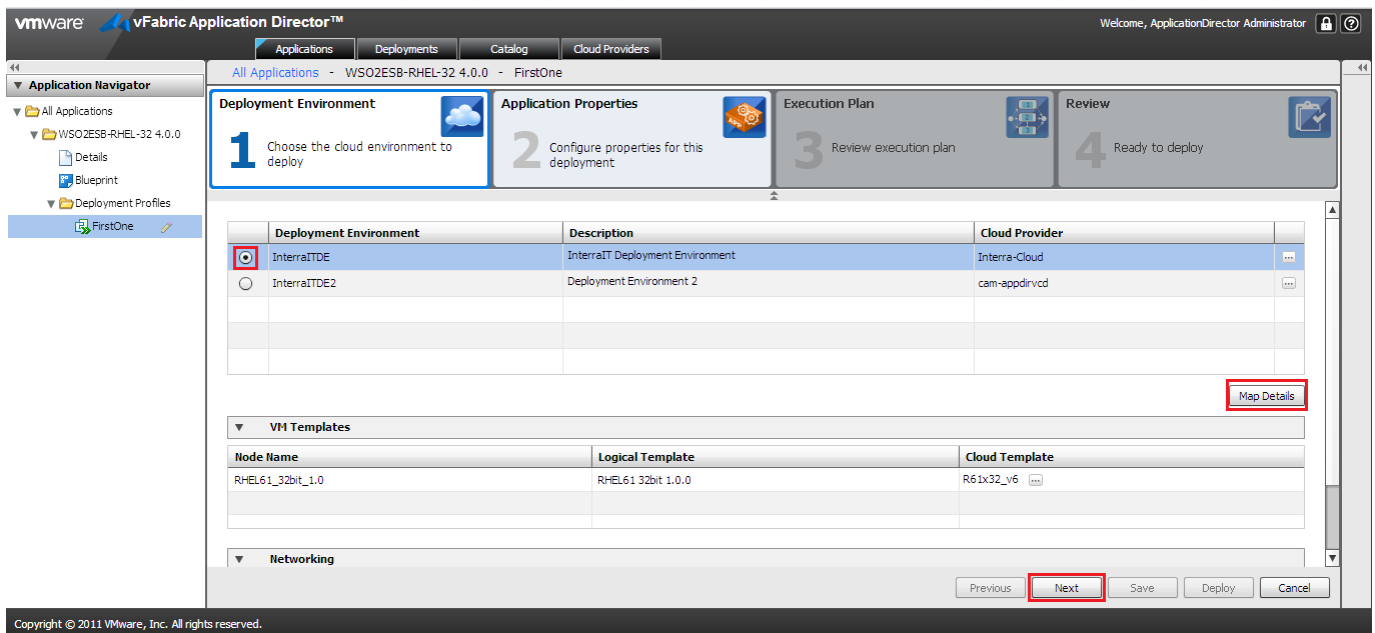
4. It will bring up the deployment profile window. Enter a deployment profile name for example FirstOne .Click **OK**



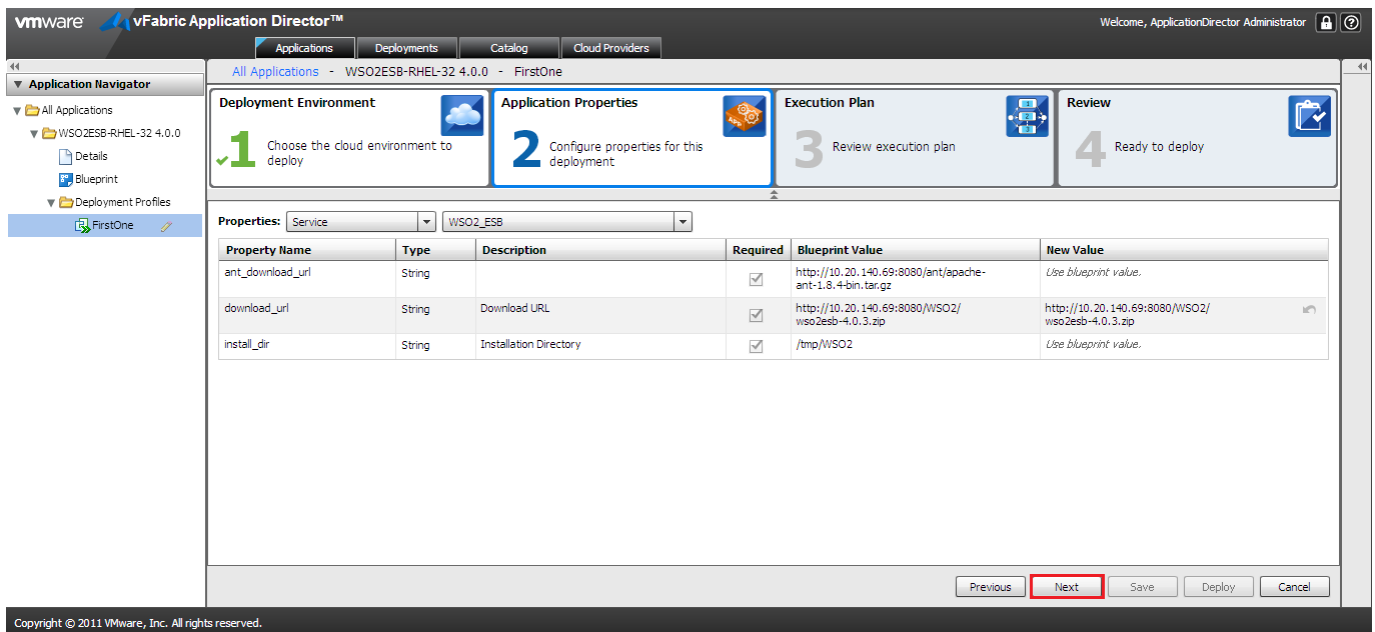
5. This will bring up the deploy wizard.



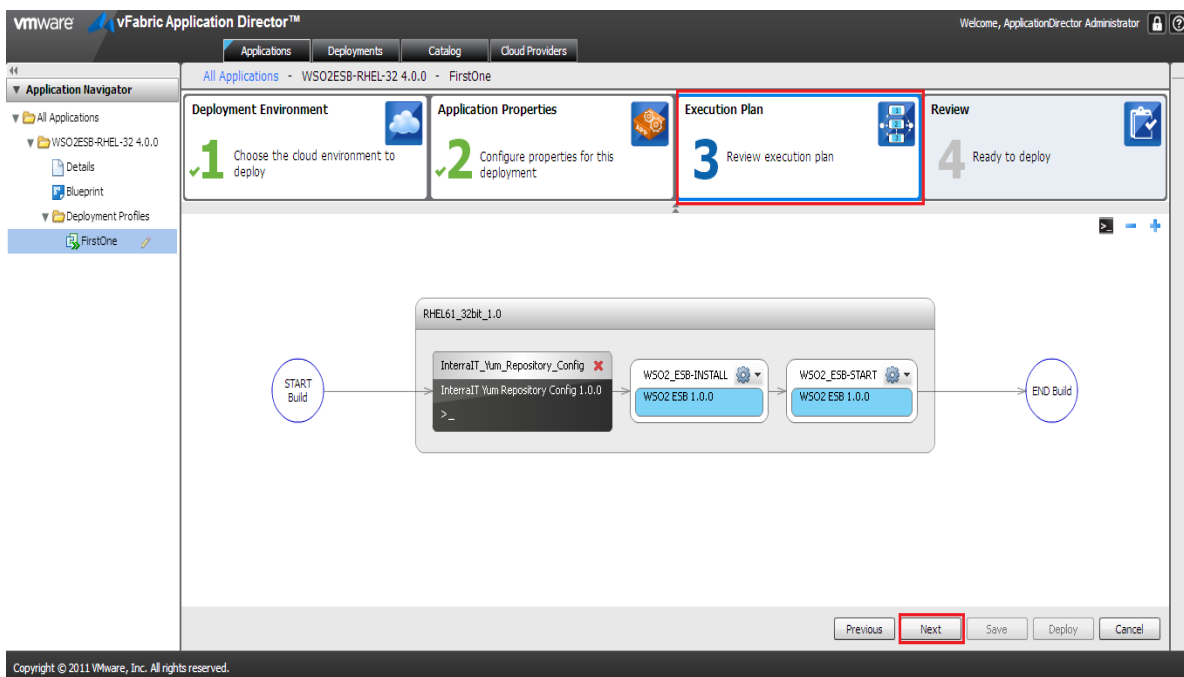
6. Select the Radio Button for the appropriate Deployment Environment and Click on the **Map Details** button. Click **Next**

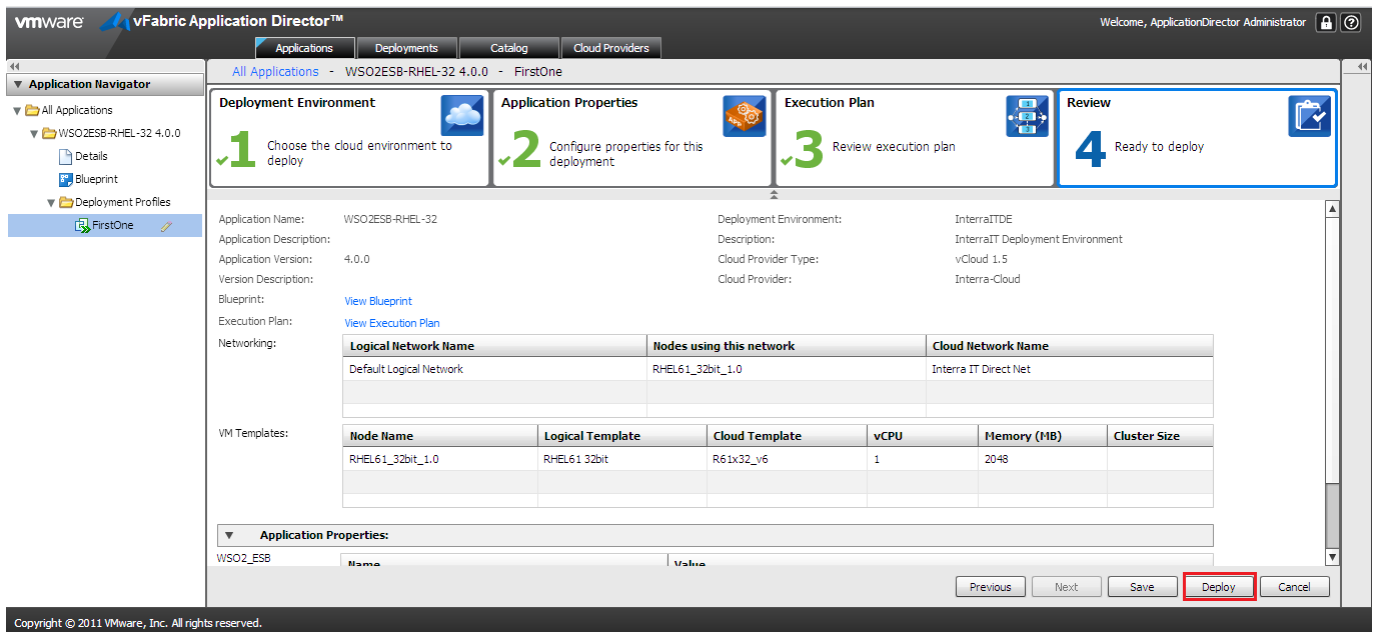


7. Click **Next** again to view the execution Plan.

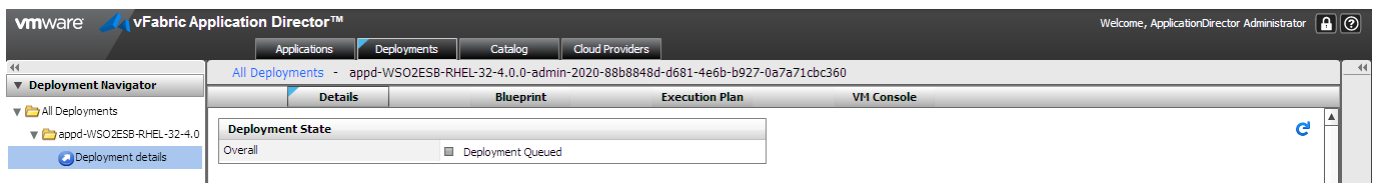


8. Click **Next** again and then click the **Deploy** button on the bottom button panel of the wizard.

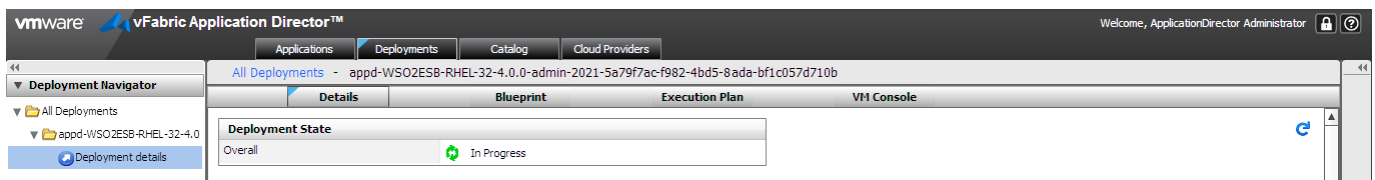




- Wait for deployment details screen to come up. This will take a minute or so. At this time, the system is preparing to initiate the deployment.

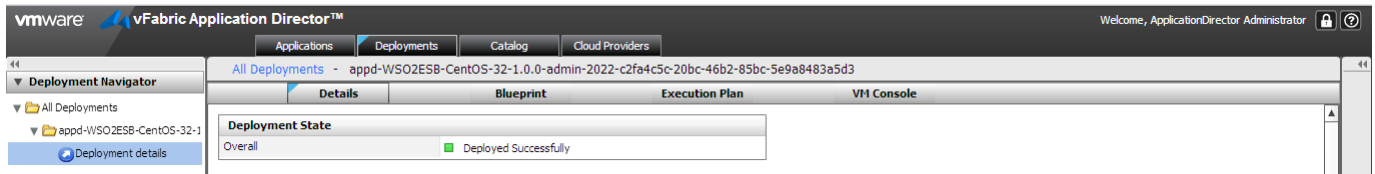


- Click on the **refresh icon** and check the deployment status. Note that it says **"In Progress"**.

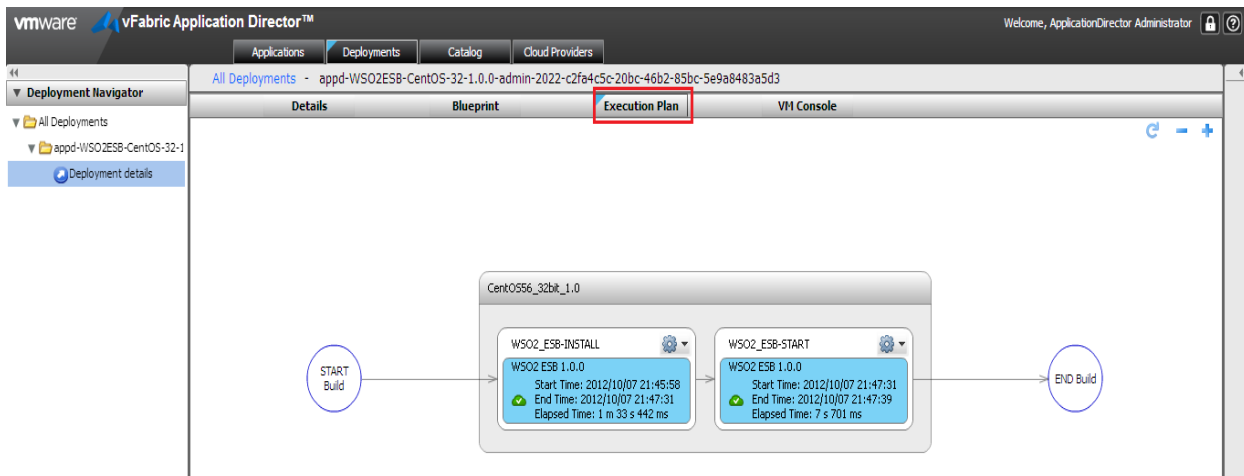


Verify Smoke test passed

1. Wait until the deployment status is reported as **Deployed Successfully**.

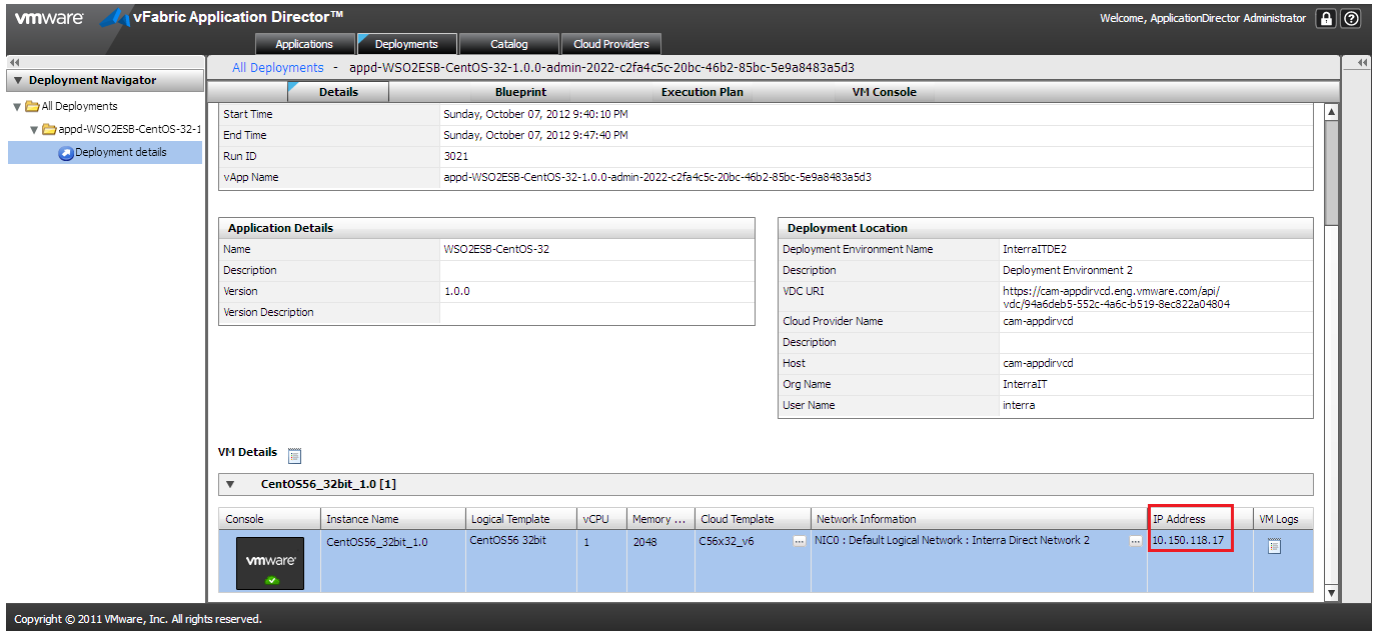


2. Click on the **Execution plan** to see **green** status marks on each task.



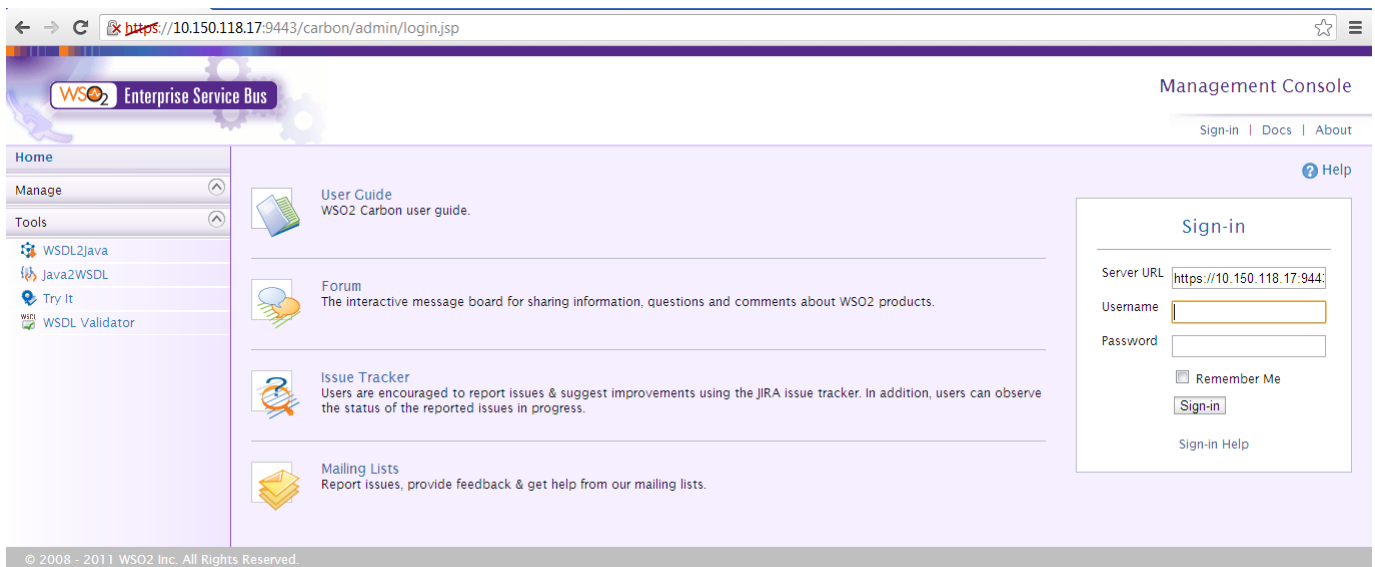
Launching the Application

1. Click on the Details Page to get the IP of the machine. You will need this IP to launch the application.



The screenshot shows the VMware vFabric Application Director interface. The left sidebar displays the 'Deployment Navigator' with a tree view containing 'All Deployments' and 'appd-WSO2ESB-CentOS-32-1'. The main panel shows the 'Details' tab for the deployment 'appd-WSO2ESB-CentOS-32-1.0.0-admin-2022-c2fa4c5c-20bc-46b2-85bc-5e9a8483a5d3'. The 'Details' tab is selected, showing a table with deployment metadata (Start Time, End Time, Run ID, vApp Name) and two sections: 'Application Details' and 'Deployment Location'. The 'Application Details' section shows the Name 'WSO2ESB-CentOS-32', Description, Version '1.0.0', and Version Description. The 'Deployment Location' section shows the Deployment Environment Name 'InterraITDE2', Description, VDC URI, Cloud Provider Name, Description, Host, Org Name, and User Name. Below these sections is the 'VM Details' section, which shows a table of VMs. The table has columns: Console, Instance Name, Logical Template, vCPU, Memory, Cloud Template, Network Information, IP Address, and VM Logs. The first row shows a VM named 'CentOS56_32bit_1.0' with an IP Address of '10.150.118.17', which is highlighted with a red box.

2. Open your Browser and type http://WSO2_ESB_Machine_ip:port to verify successful installation of WSO2 ESB.



The screenshot shows the WSO2 Enterprise Service Bus Management Console login page. The browser address bar shows the URL 'https://10.150.118.17:9443/carbon/admin/login.jsp'. The page has a purple header with the WSO2 logo and 'Enterprise Service Bus' text. The main content area is titled 'Management Console' and includes a 'Sign-in' section with fields for 'Server URL' (set to 'https://10.150.118.17:9443'), 'Username', and 'Password'. There is a 'Remember Me' checkbox and a 'Sign-in' button. The left sidebar contains a 'Home' section with links to 'Manage' and 'Tools', and a 'Tools' section with links to 'WSDL2Java', 'Java2WSDL', 'Try It', and 'WSDL Validator'. The main content area also includes links to 'User Guide', 'Forum', 'Issue Tracker', and 'Mailing Lists'.