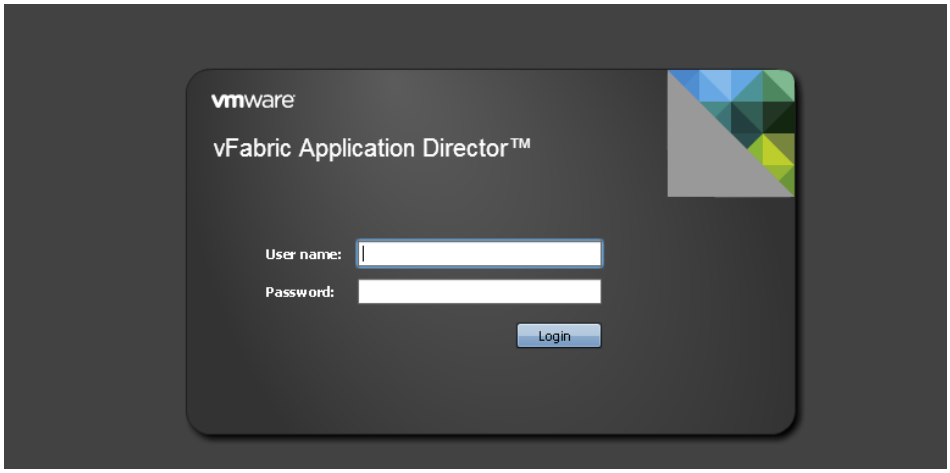
Create LAMP application

Prerequisites

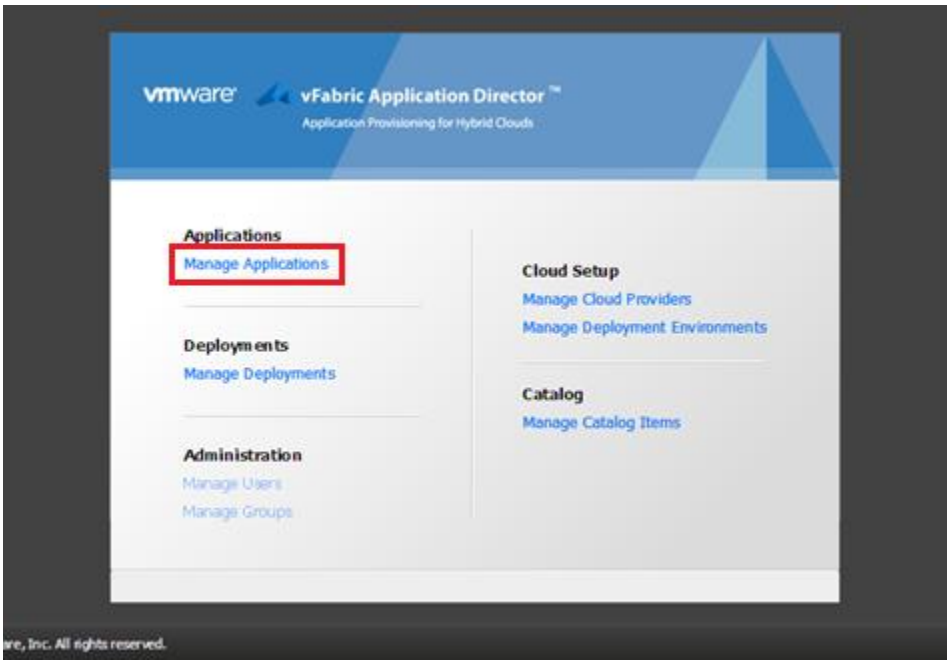
1. Install and configure VMware vFabric Application Director with vCloud Director.
2. Add LAMP as a service in the Application Director Catalog.

Steps

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

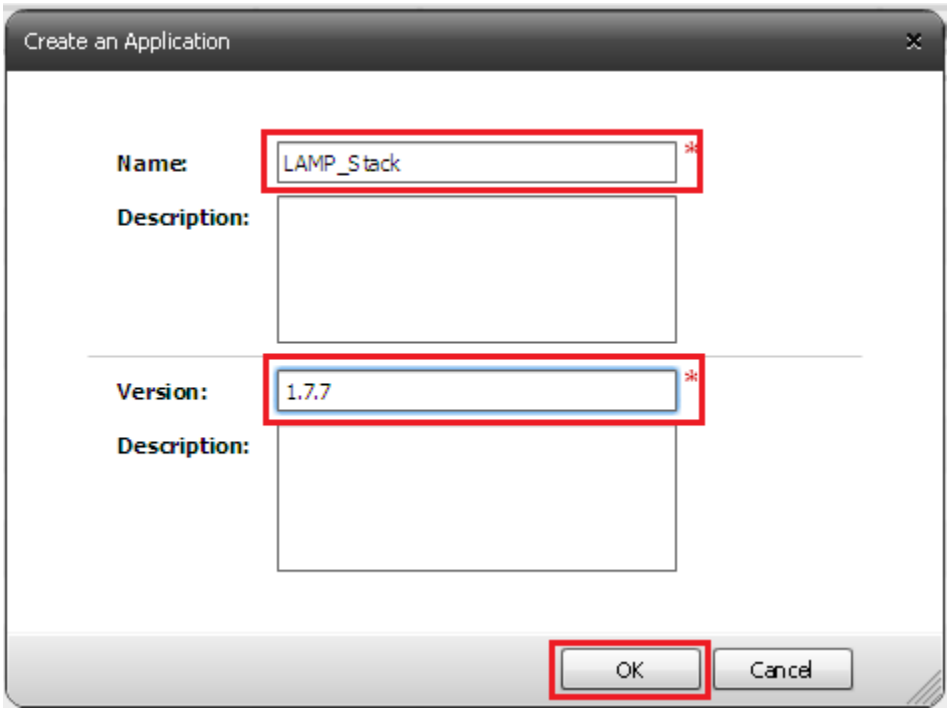


2. Click on **Manage Applications.** This will take you to the list view of all applications.

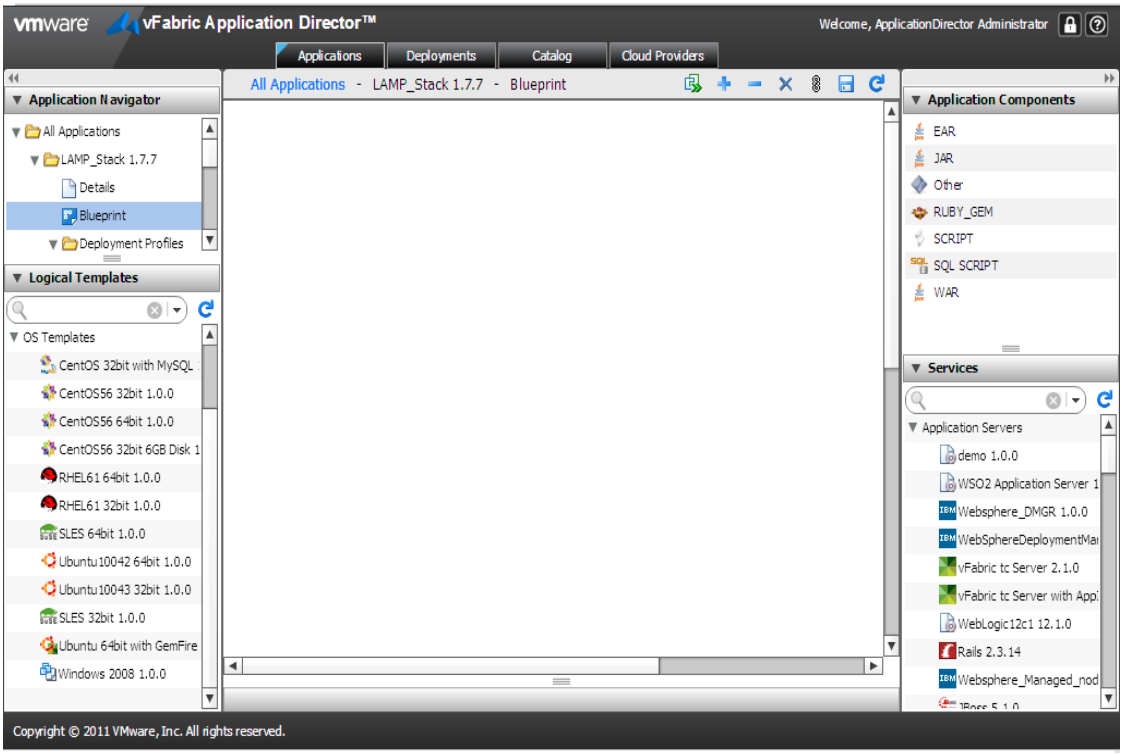


3. Click on  to add a new application.

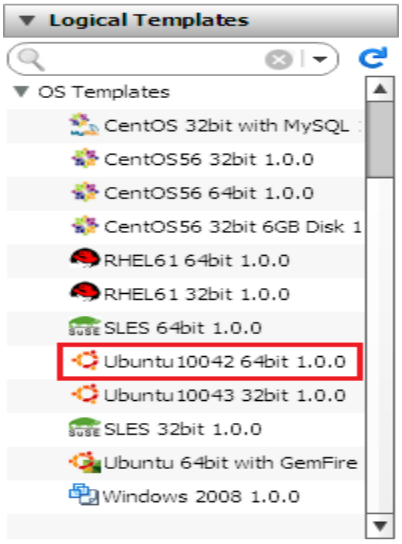
4. Provide the following required details
   Name: LAMP_Stack
   Version: 1.7.7
   Click **OK**



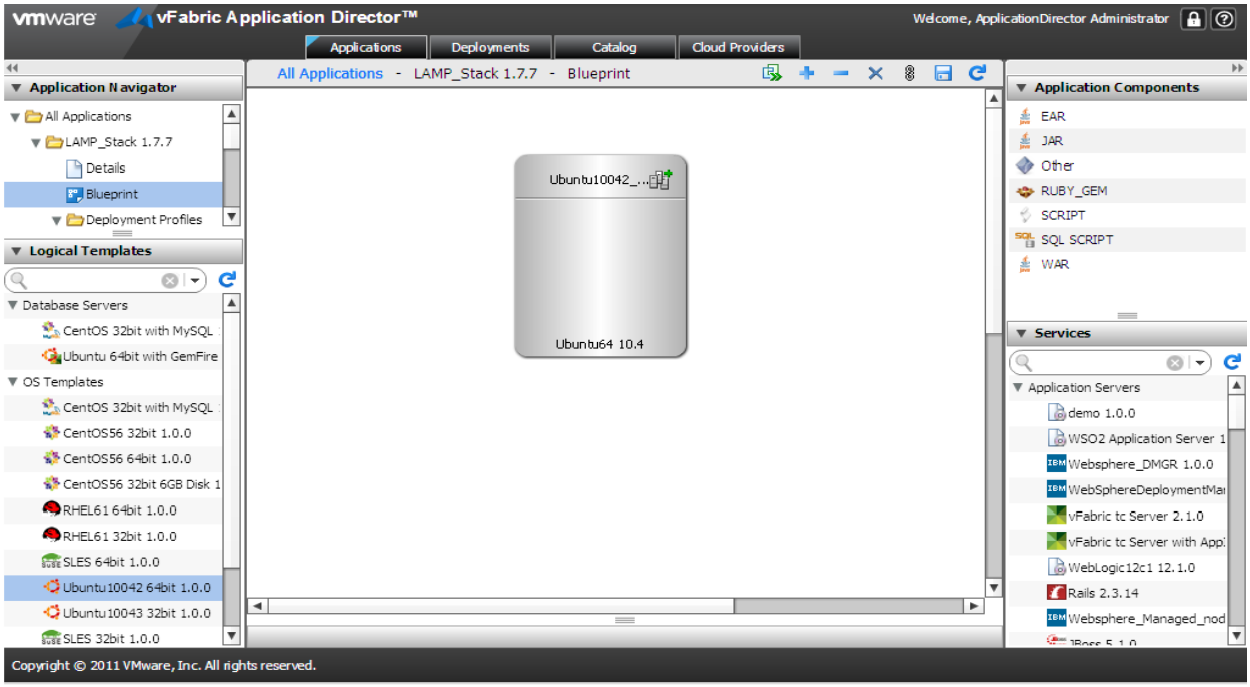
5. On successful application creation, the user will be re-directed to the blueprint editor page.



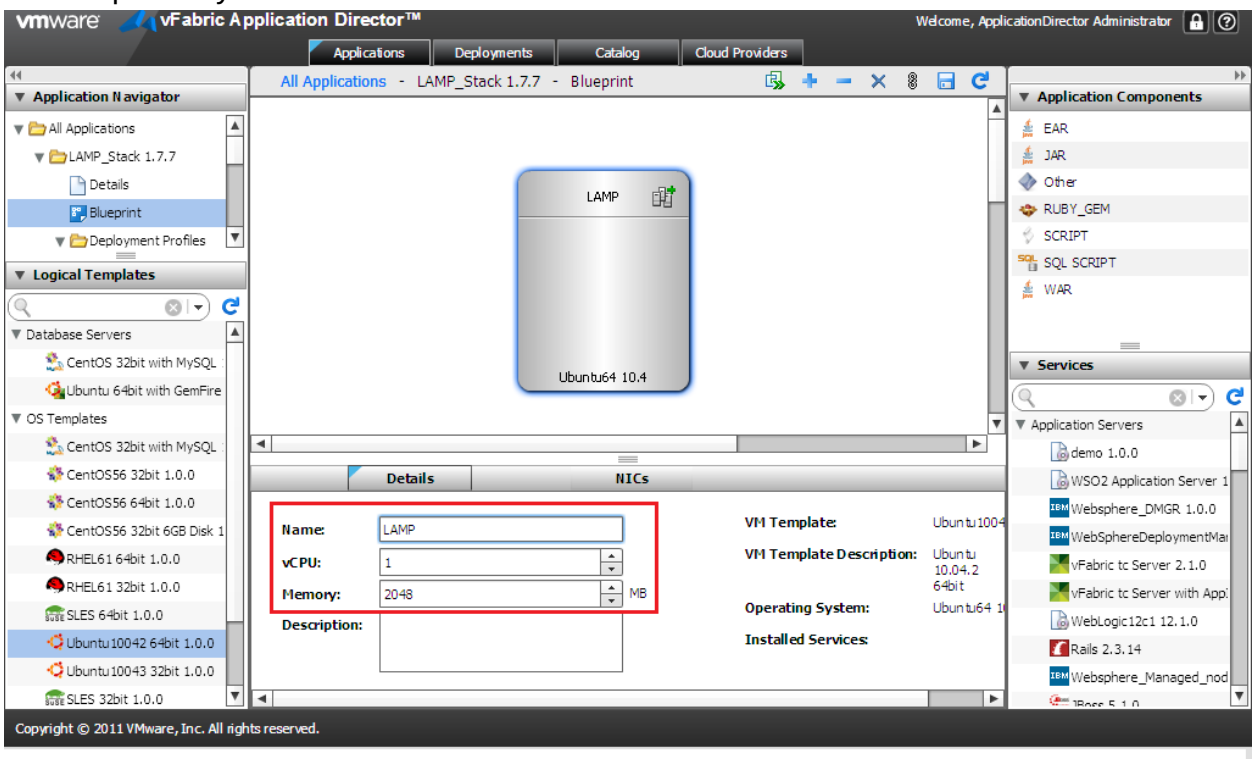
6. You will see **Logical Templates** on the bottom left.
7. Drag & drop any template of Linux flavor for example Ubuntu10042_64bit_1.0 in the central white canvas area. This template needs to have been uploaded and registered in the cloud provider.



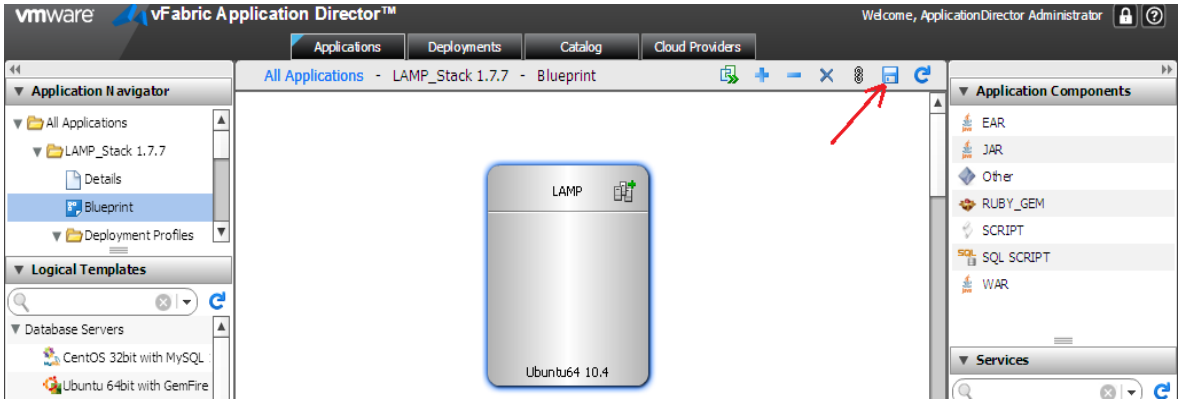
8. Now we will have a node in the canvas.



9. Select the dragged node. In the **Details** pane, type **LAMP** 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.

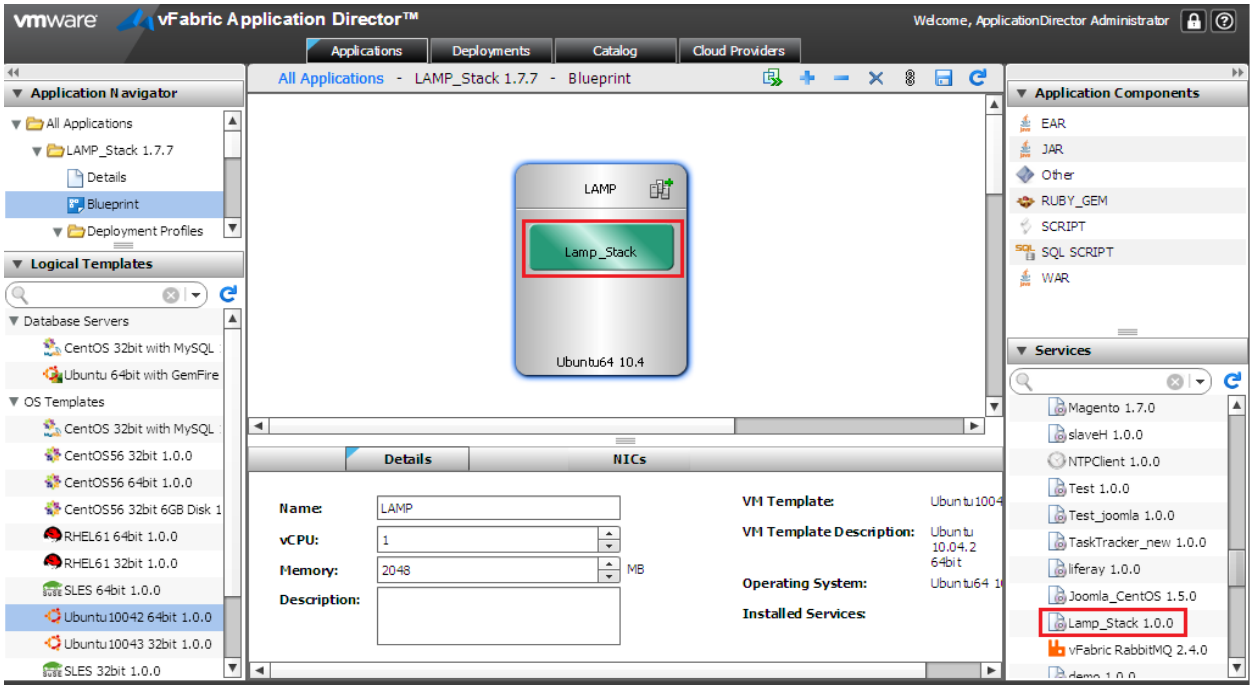


10. Save the application.

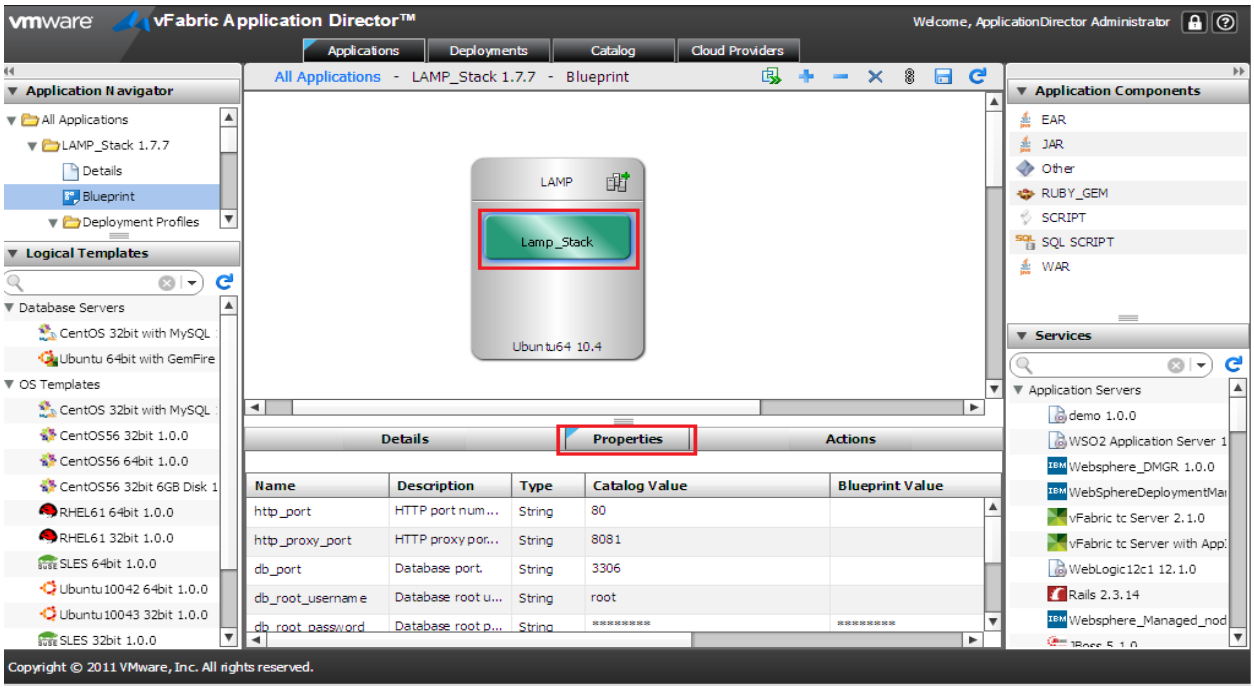


Configuring

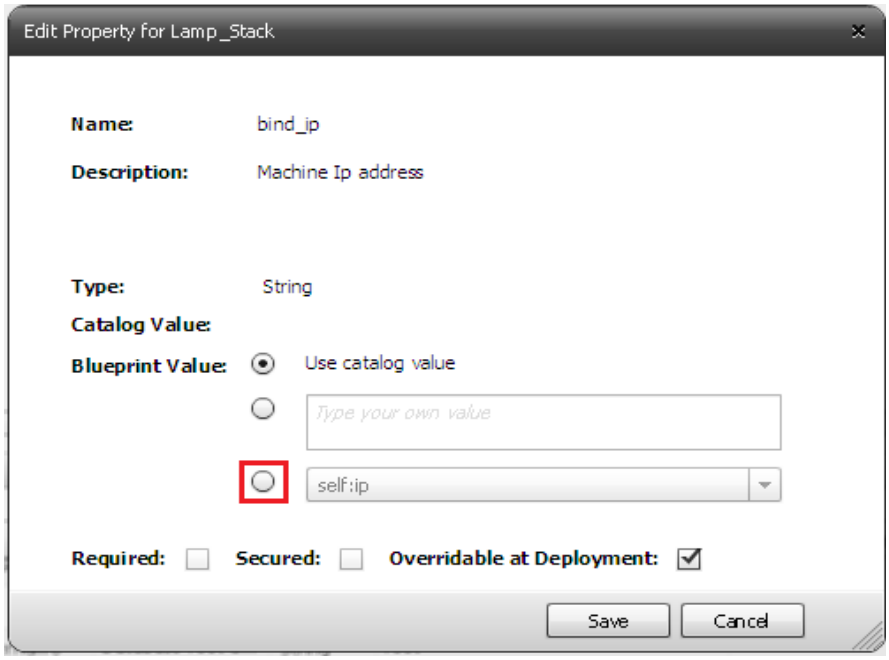
1. From the Services panel on the bottom right, drag and drop the service labeled LAMP_Stack on the LAMP Node.



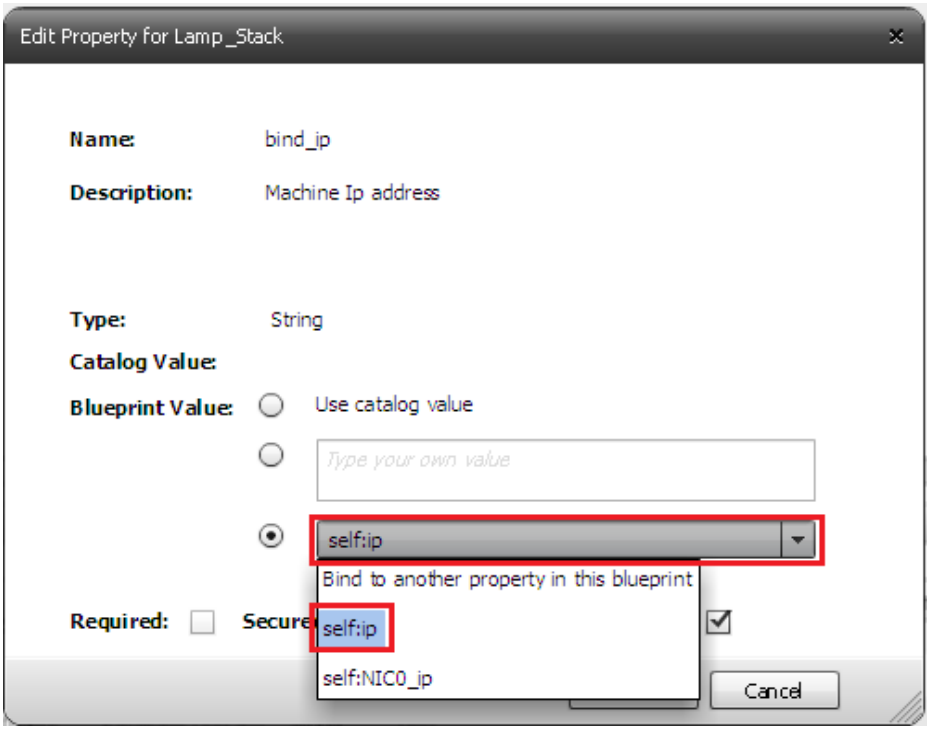
2. Click on the LAMP_Stack service and go to **properties** tab in the lower pane.



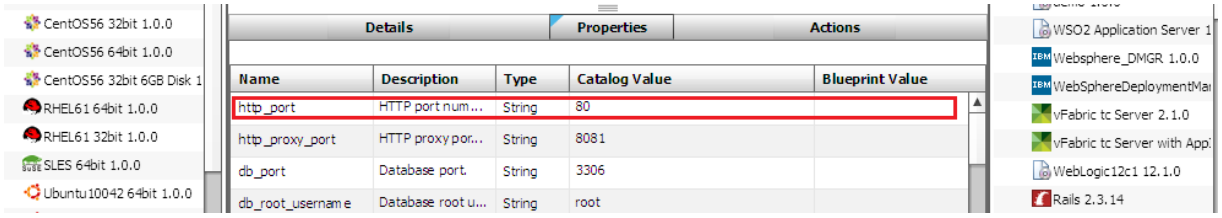
3. Scroll down until you see **bind_ip** property. Double Click this value then click on the third radio button for using bind value as shown.



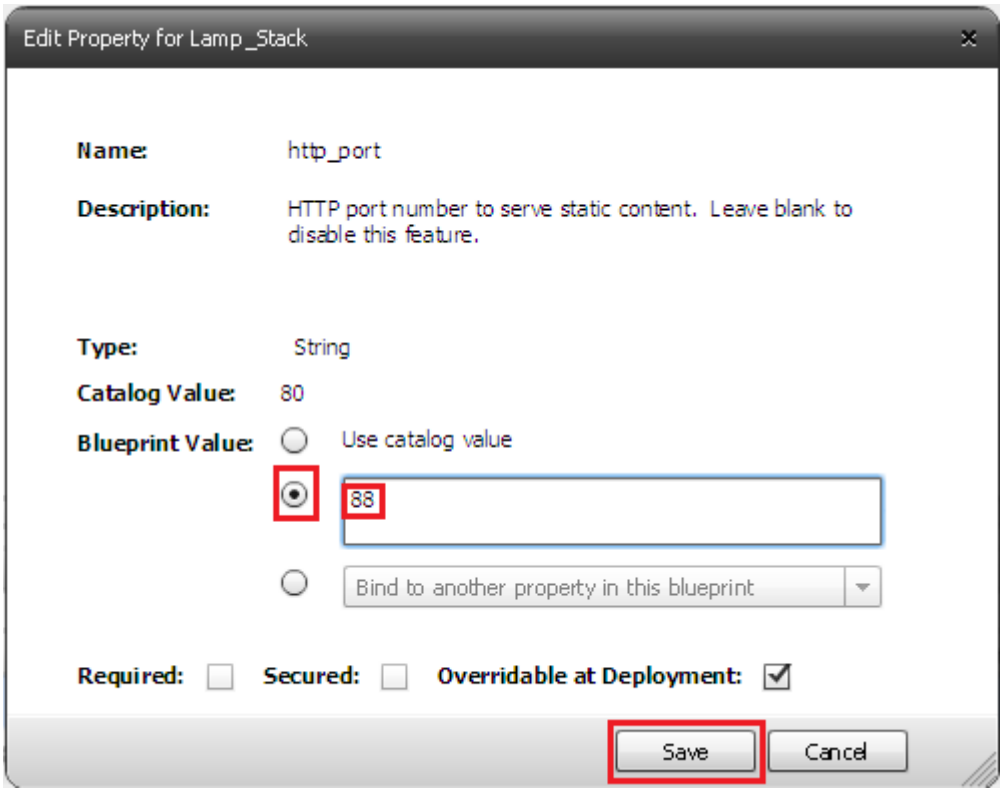
4. Click on the Drop Down list and select **self:ip** and Click on **Save** button.



5. To change other default value, click on the respective properties and change the value. For example to change the **http_port** property to 88, click on it



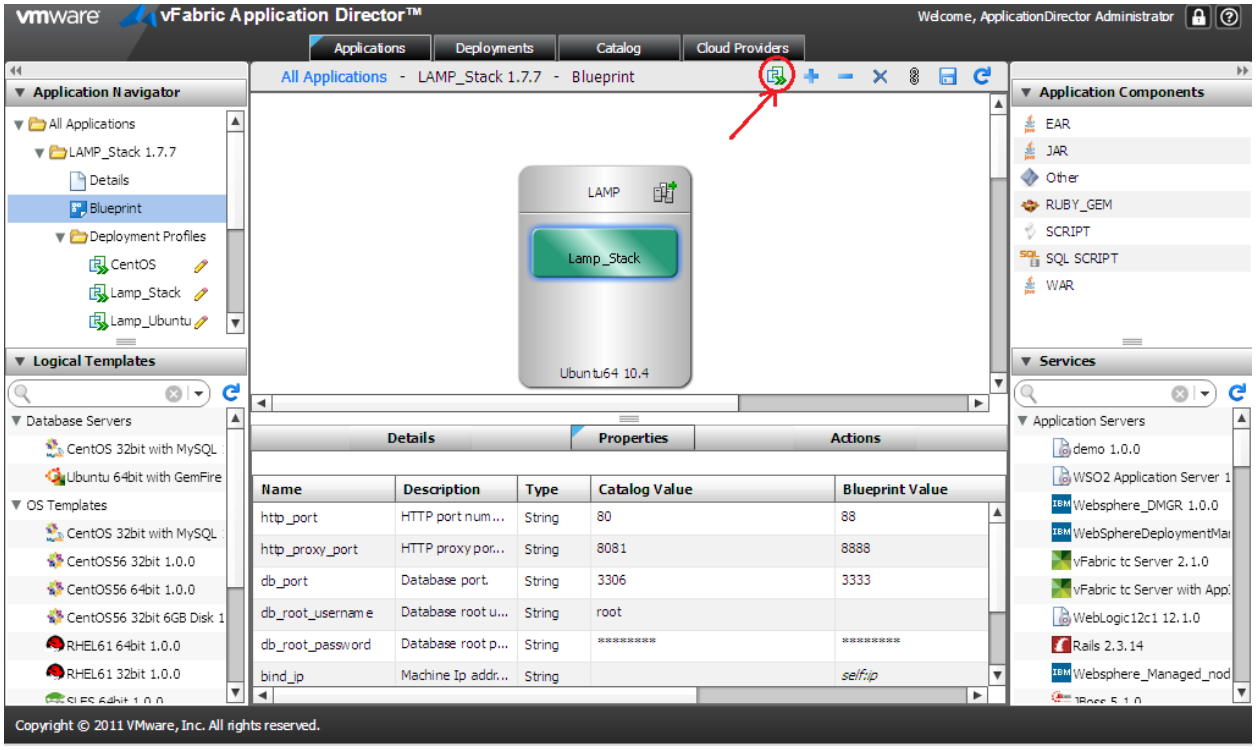
Then Click on the second radio button to set our own value and finally click on **Save** button as shown



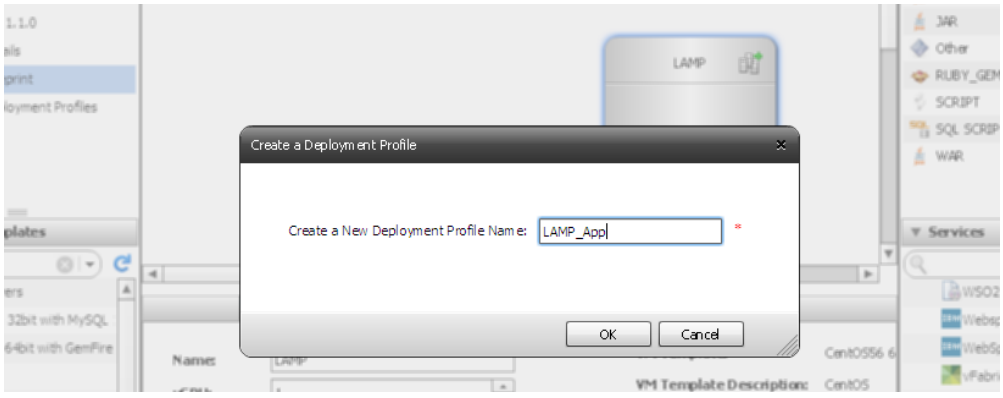
6. Save the Blueprint.

Deploying the LAMP application

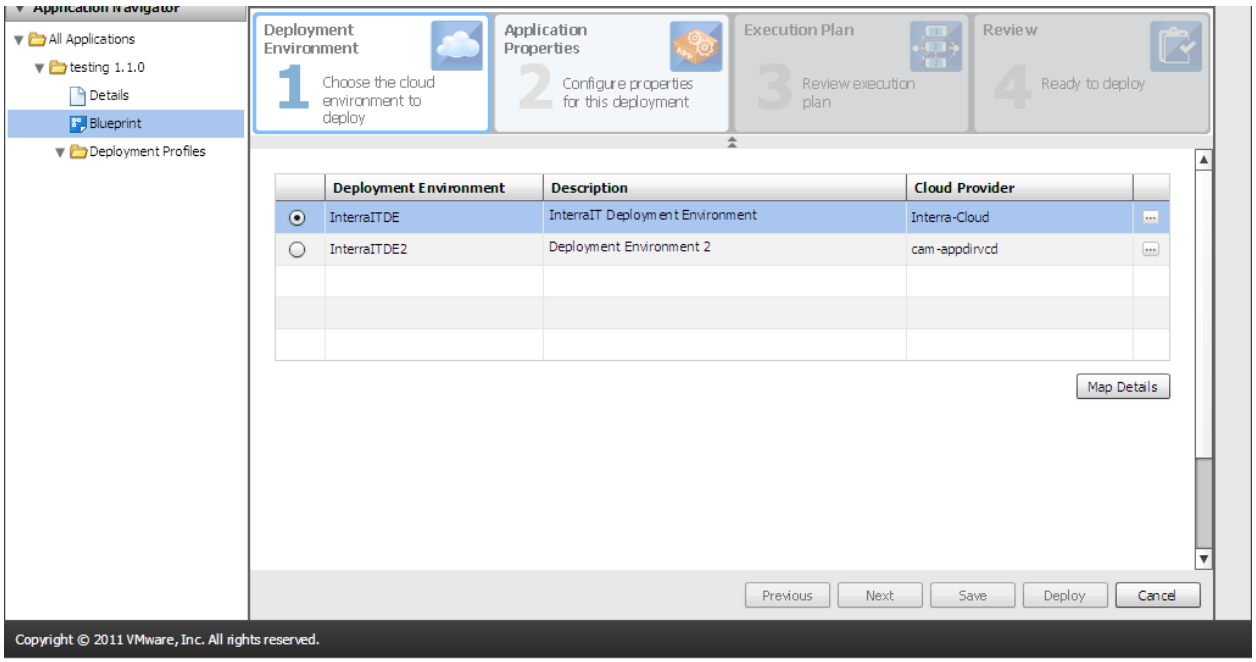
1. Login to the Application Director UI with the user which has the deployment rights.
2. Click on the LAMP Application in the Application List page.
3. Click on the Deploy Tab on the Blueprint page.



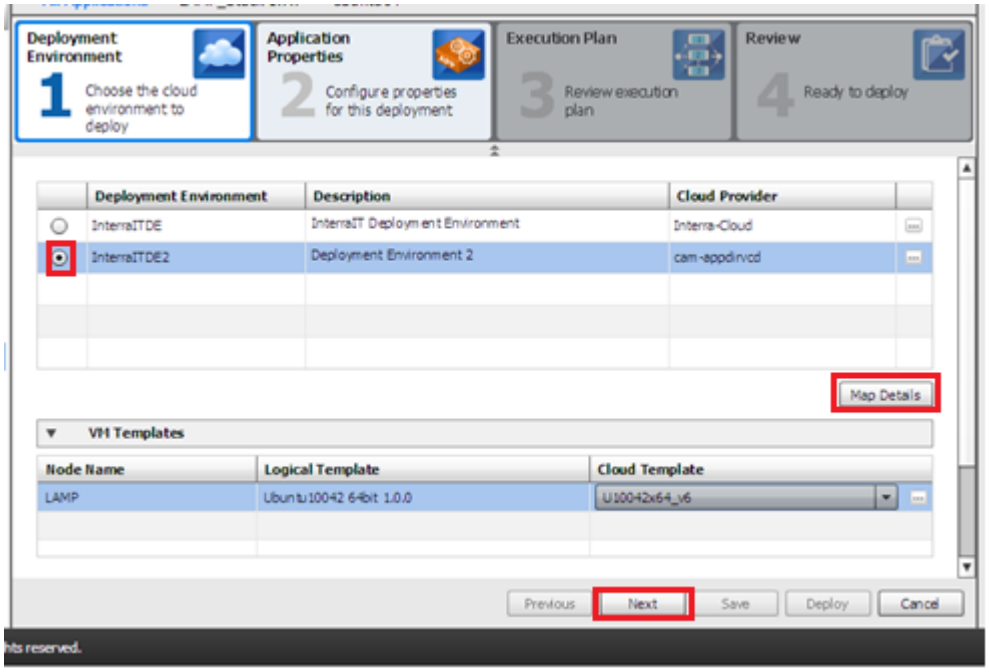
4. It will bring up the deployment profile window. Enter a deployment profile name for example LAMP_App .Click **OK**



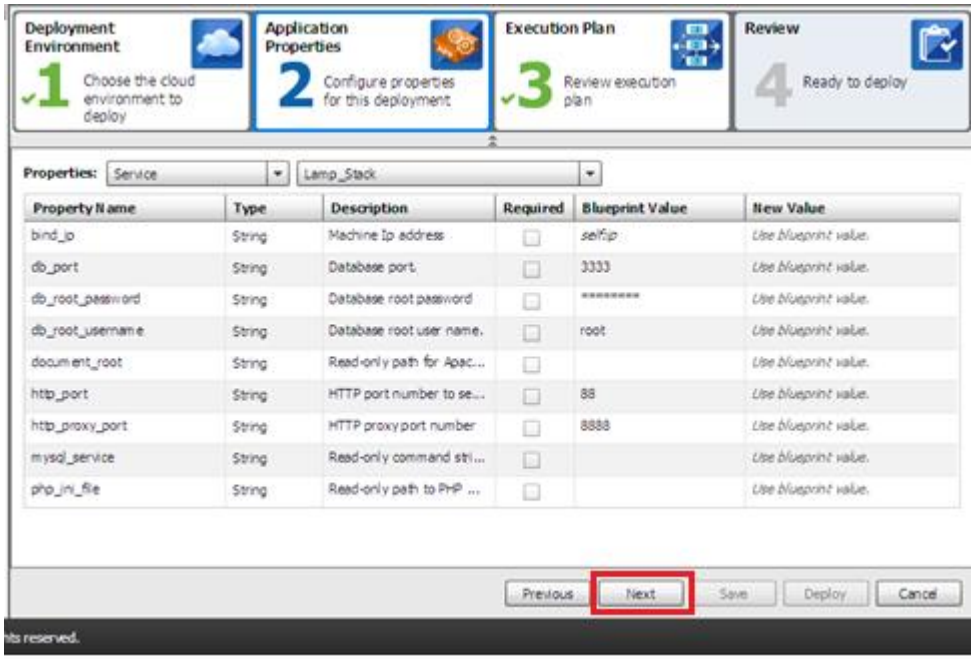
5. This will bring up the deploy wizard.



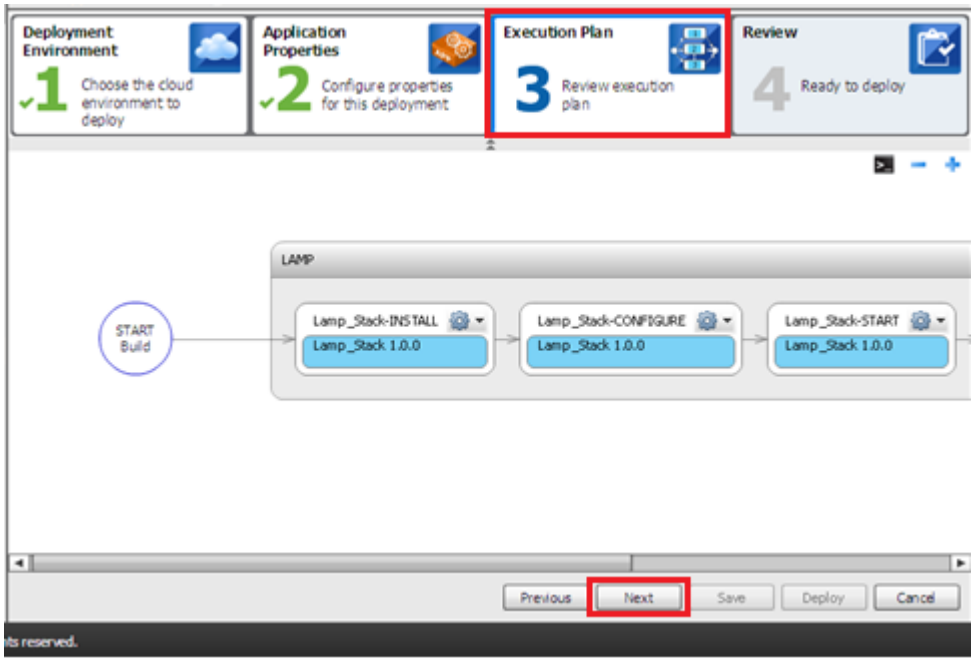
6. Select the Radio Button for the appropriate Deployment Environment and Click on the **Map Details** button. Click **Next**

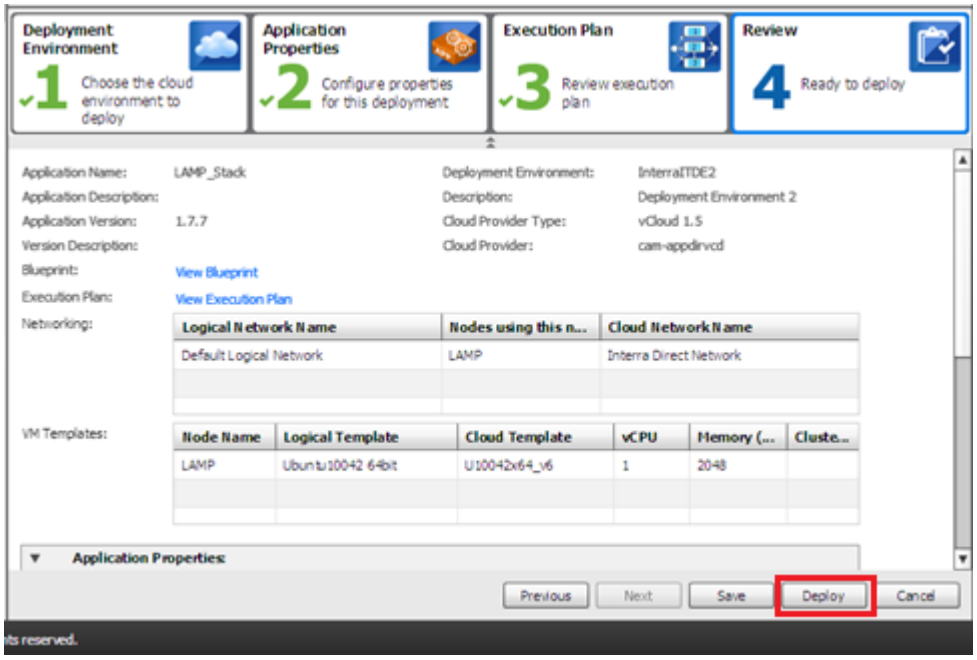


7. Click **Next** again to view the execution Plan.

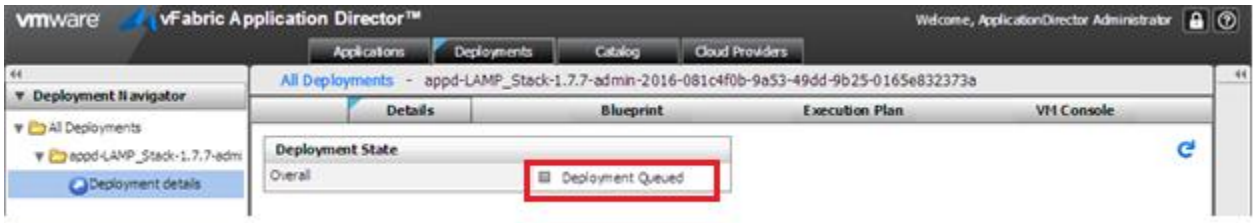


8. Click **Next** again and then click the **Deploy** button on the bottom button panel of the wizard.

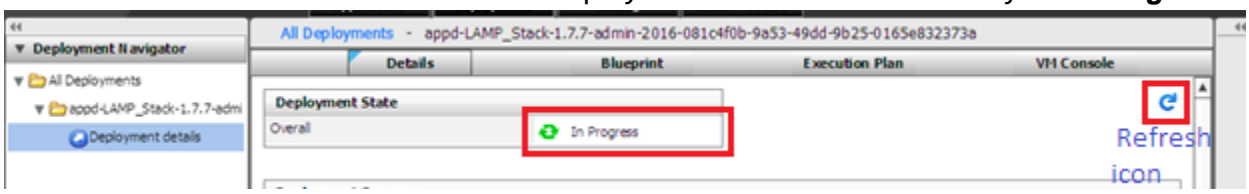




9. Wait for deployment details screen to come up. This will take a minute or so. At this time, the system is preparing to initiate the deployment.

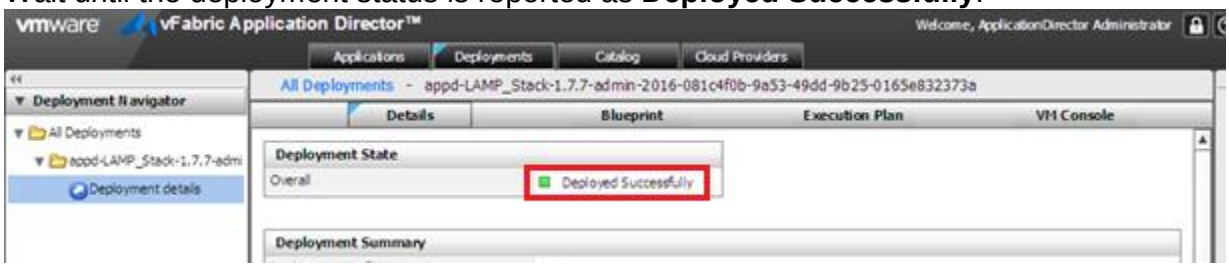


10. Click on the *refresh* icon and check the deployment status. Note that it says ***"In Progress***".

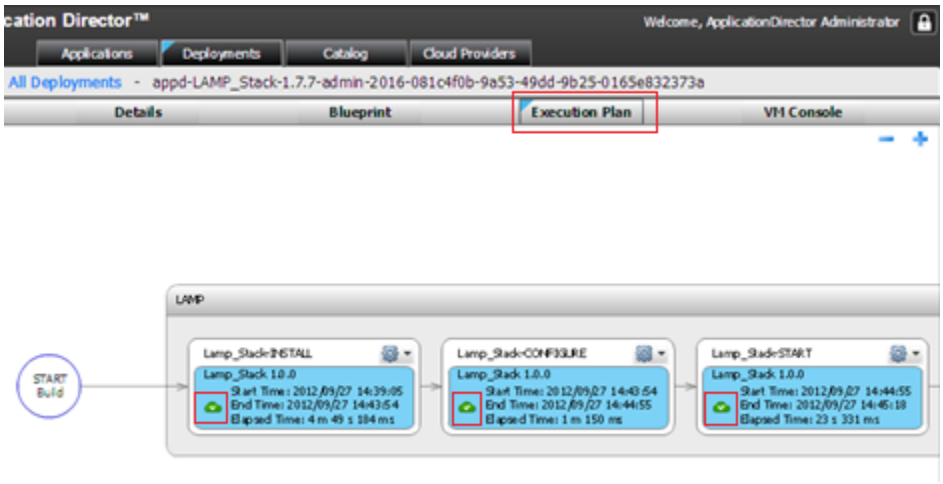


Verify Smoke test passed

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

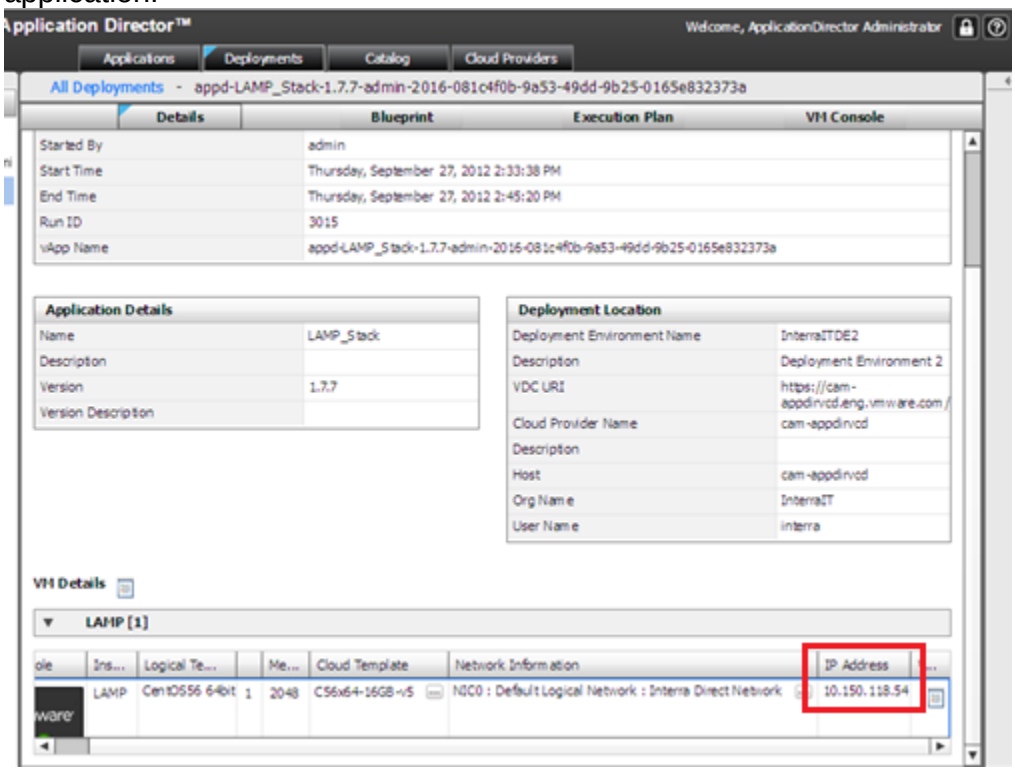


2. Click on the **Execution plan** to see *green* status marks on each task.

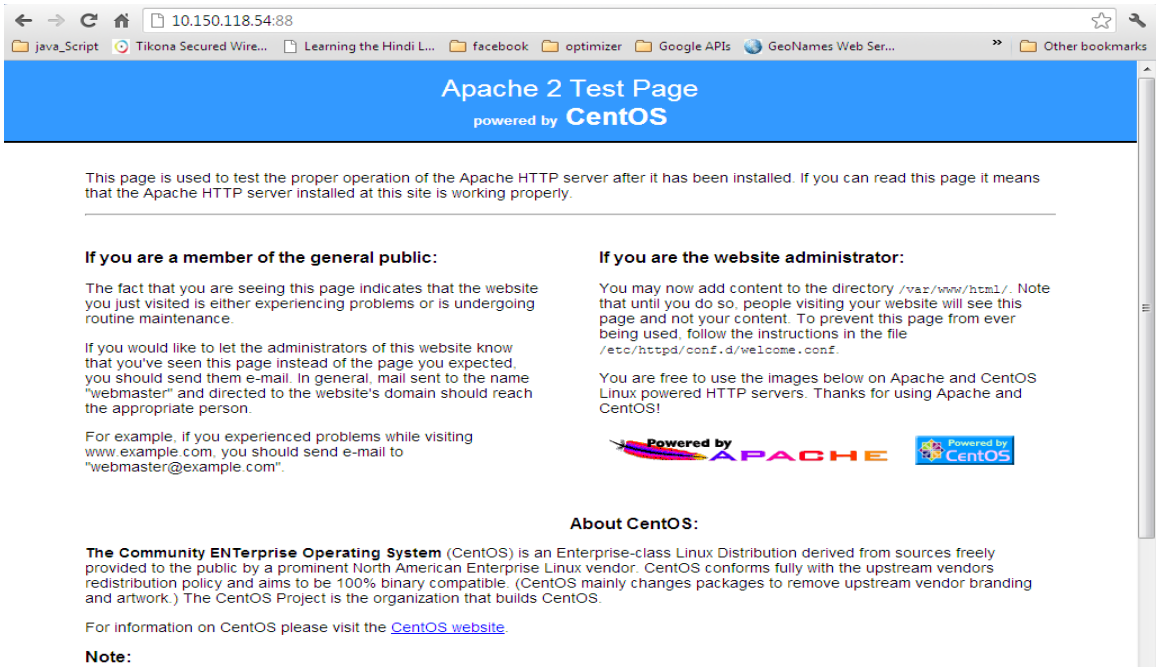


Launching the Application

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



2. Open your Browser and type http://{lamp_ip:port} to verify successful installation of Apache.



3. Type http://{lamp_ip:port}/phpinfo.php to verify successful installation of PHP