

Standard ToolChain Configuration Manual Steps

Integration of Jenkins tool with Urban Code Velocity(UCV)

- Login to Jenkins tool in browser URL: <http://IP-address:port number>
- Enter the username and password
- Click on 'Manage Jenkins'.
- Click on 'Configure system'.
- Under Urban Code Velocity section enter the following details:
- Integration Id, Integration Token, Velocity Base Urls, Jenkins Credentials

Steps to get Integration Id and Integration token

- Login to UCV tool.
- Click on Settings button (Gear symbol at RHS).
- Click on Integrations, add Integrations and then select Jenkins option.
- Give the name for the Integration and click on save button.
- Copy paste the data in Jenkins Config section for UCV.
- Will get the Integration Id and Integration token.

Standard Tool Chain Deploying Jpetstore App Manual Steps

Standard ToolChain manual Steps to deploy Jpetstore App

1. Configure Urban Code Deploy (UCD) with Jenkins
 - Login to UCD tool with valid username and password.
 - Click on 'Settings' tab, under that navigate to 'System settings'.
 - Under General Settings tab, under Agent for Version import, select 'ucda-docker' and click on 'save' button.
 - Download the 'Tomcat Apache UCD Plugin' and install in UCD tool
 - Upload the 'jpetstore-app.json' file
 - Now go to the 'Resources' tab, and click on 'Create Top Level Group',
 - In the 'Create resource' pop-up, give the Resource name, for e.g. 'JpetStore-resource' and click on save button.
 - Hover over the Resource name, i.e. 'JpetStore', user can see the 'Actions' link.
 - Under the Actions link, select the 'Add Agent'.
 - Under the 'Agent' field, select 'ucda-docker' and click on save button.
 - Hover over the Agent, on 'Actions' tab click on 'Add component', and select 'Jenkin-jpet-component'.
 - Under Environment name, click on 'Add Base Resources'.
 - Select the Resource which you created earlier, i.e. 'Jpetstore-resource'.

Link and Steps to download Tomcat Apache UCD plugin.

- Login to UCD tool.
- Navigate to the “Settings” tab.
- Under Automation section, link on “Automation Plugins”.
- Click on “Load plugin”.
- Upload Tomcat 7.zip.

Link: <https://developer.ibm.com/urbancode/plugin/tomcat-ibmucd/>

2. Configure Urban Code Velocity(UCV) with Jenkins

- Creating pipeline in UCV to track the status of the Jpetstore Application in Jenkins and UCD
 - Login to Urban Code Velocity tool with valid username and password.
 - Click on Pipelines tab and click on ‘create pipeline’ link.
 - Give the Name, Description and select the Team and click on Save button.
 - Click on ‘Add app’ and select the option as ‘UrbanCodeDeployment’ and give the ‘Application Name’ and click on Save button.
 - Click on ‘Add app’ and select the option as ‘Jenkins’ and give the ‘Application Name’ and click on Save button.
 - Click on plus sign under the Input section.
 - Under the ‘Create version’, select automatically and click on ‘Continue’.
 - Select the Job name from Jenkins and click on ‘save’ button. (Initially the status of job will be ‘Not Yet Run’.)
 - Once the Build is triggered from Jenkins, It should display the recent successful Build number.
 - Check for the App created for Urban Code Deployment, It should display Snapshot version from Urban Code Deployment tool.
