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.

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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/>

1. Configure Urban Code Velocity(UCV) with Jenkins
2. 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.

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