### **CONTINUOUS INTEGRATION USING JENKINS**

# Module 7: Jenkins Pipeline

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## Demo: Configuring Jenkins pipeline plugin

Problem statement: Commands to configure Jenkins pipeline plugin

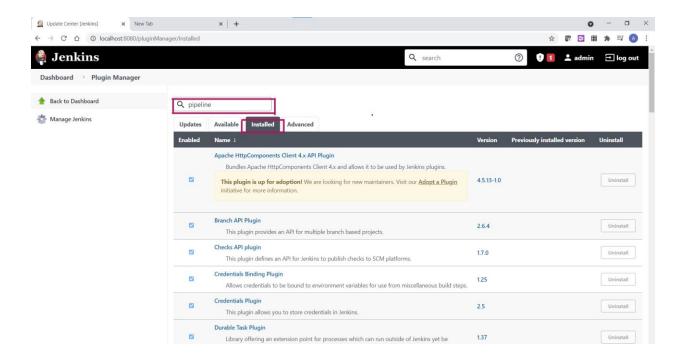
#### **Solution:**

Step 1: Check installed plugins for Pipeline.

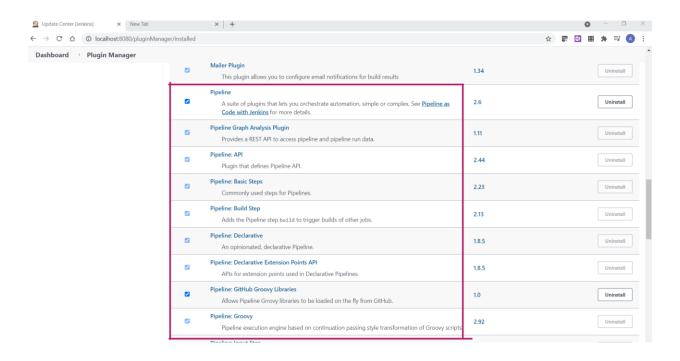
URL to access: http://localhost:8080/pluginManager/installed

Please filter the list of installed plugins using 'pipeline'.

If you scroll down the list, you would see list of plugins installed. These plugins got installed since we installed suggested plugins in one of the previous lab/demo.



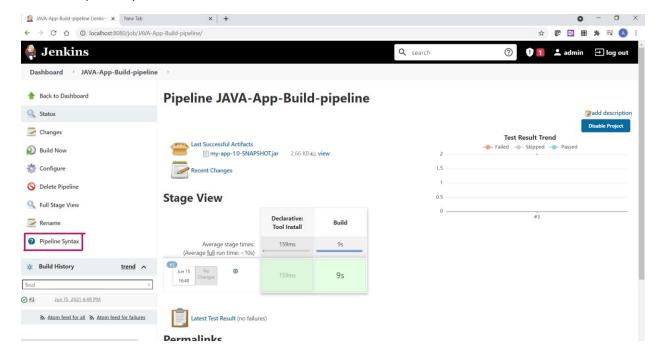
#### Module 7 – Jenkins Pipeline



Step 2: Try Pipeline syntax option provided by Jenkins.

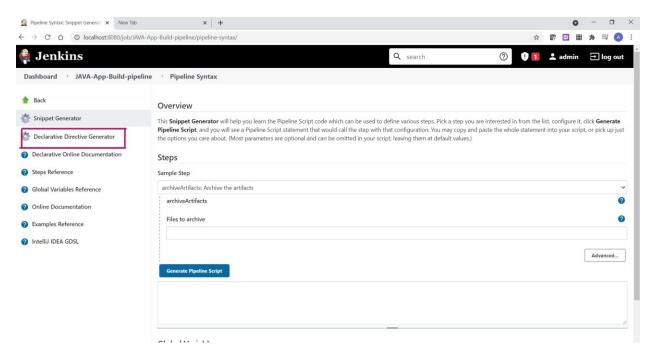
URL to access: http://localhost:8080/job/JAVA-App-Build-pipeline/

#### Click on 'Pipeline syntax'



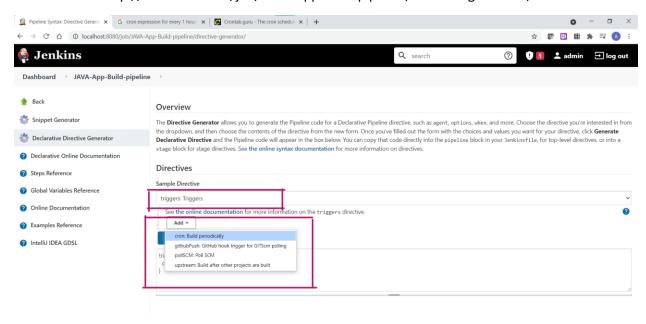
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Now, click on 'Declarative directive generator'.



You can try generating directive for triggers.

URL to access: http://localhost:8080/job/JAVA-App-Build-pipeline/directive-generator/



#### Module 7 – Jenkins Pipeline

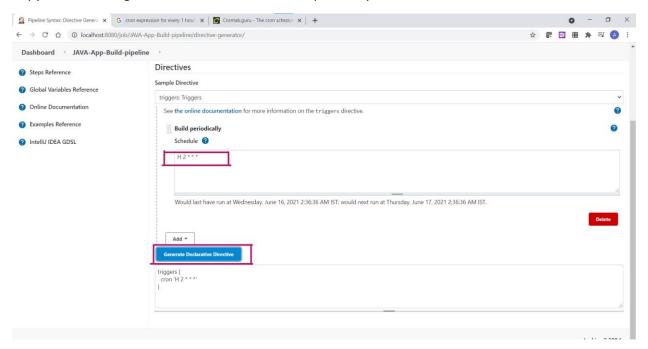
Please enter below details while configuring directive.

Please select triggers as sample directive.

Inside schedule, put below expression **H 2** \* \* \*

Click on 'Generate Declaration directive'

Copy the directive generated. We will use it subsequent step.



In this step, we are trying to perform builds periodically. You can try cron expression **cron 'H 2 \* \* \*'**. It indicates that build will be scheduled 2AM everyday.

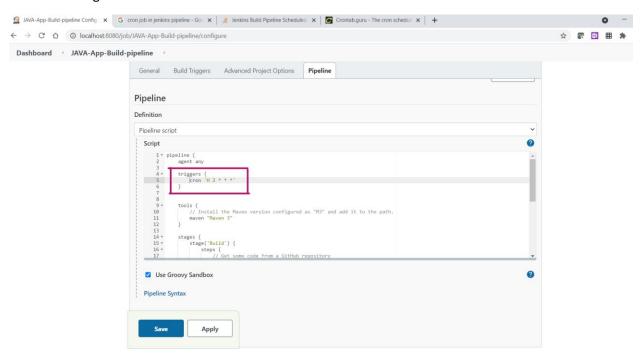
Step 3: Configure pipeline project to use trigger.

URL to access: <a href="http://localhost:8080/job/JAVA-App-Build-pipeline/configure">http://localhost:8080/job/JAVA-App-Build-pipeline/configure</a>

Click on 'Pipeline'

Add the directive generated in previous step.

Save the configuration.



Now, the build of this pipeline project will be triggered at scheduled interval.