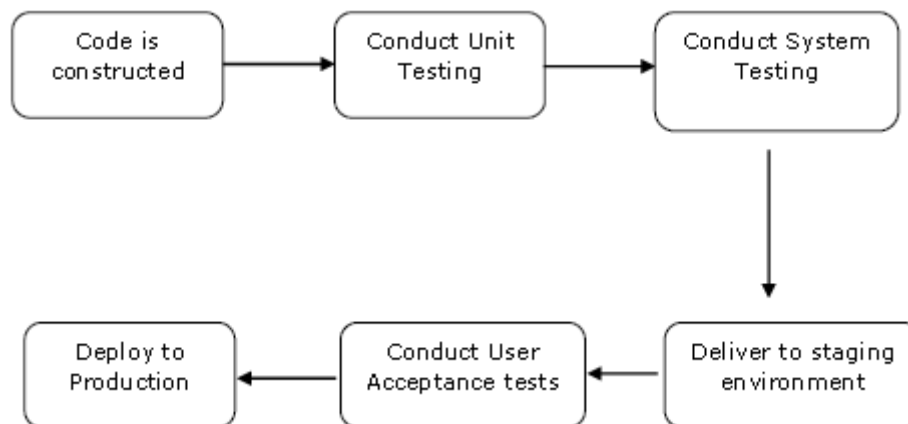


Jenkins - Continuous Deployment

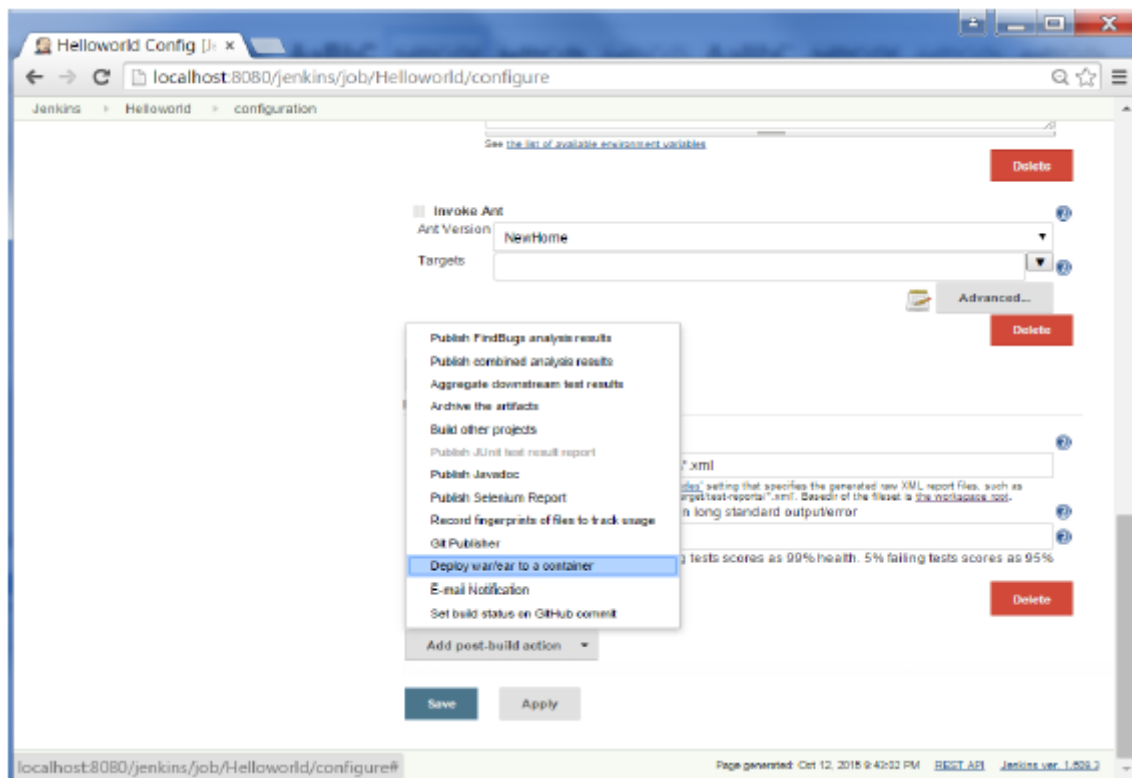
Advertisements

[Sign up for free](#)[⬅ Previous Page](#)[Next Page ➡](#)

Jenkins provides good support for providing continuous deployment and delivery. If you look at the flow of any software development through deployment, it will be as shown below.



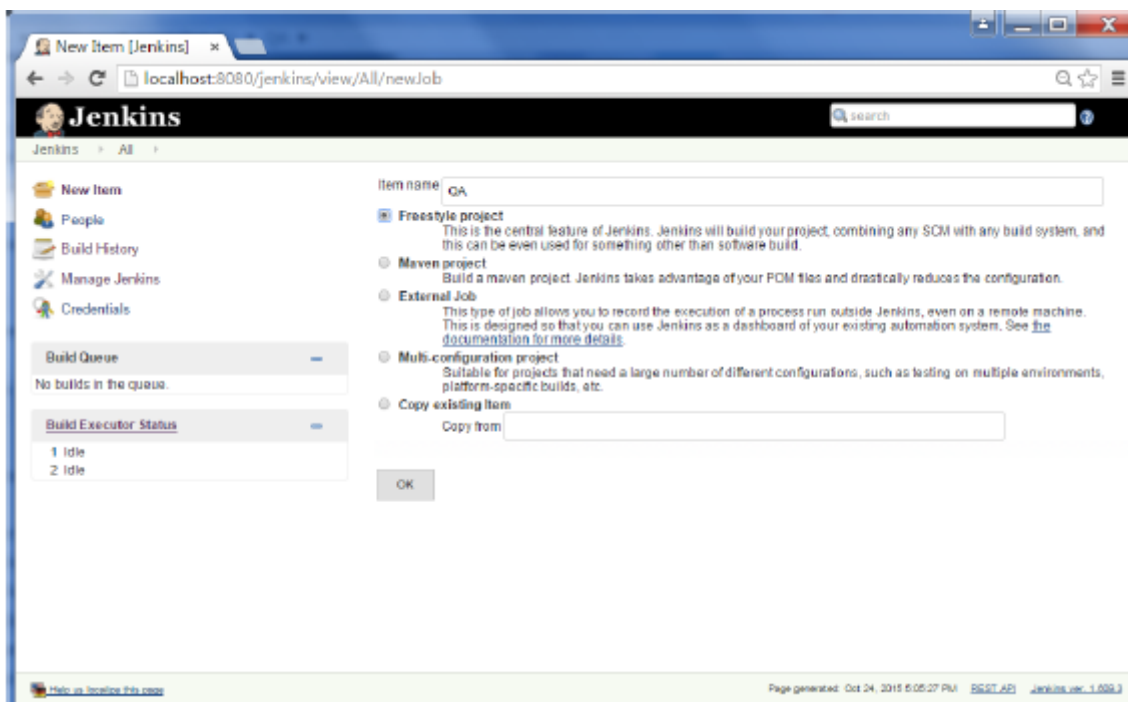
The main part of Continuous deployment is to ensure that the entire process which is shown above is automated. Jenkins achieves all of this via various plugins, one of them being the "Deploy to container Plugin" which was seen in the earlier lessons.



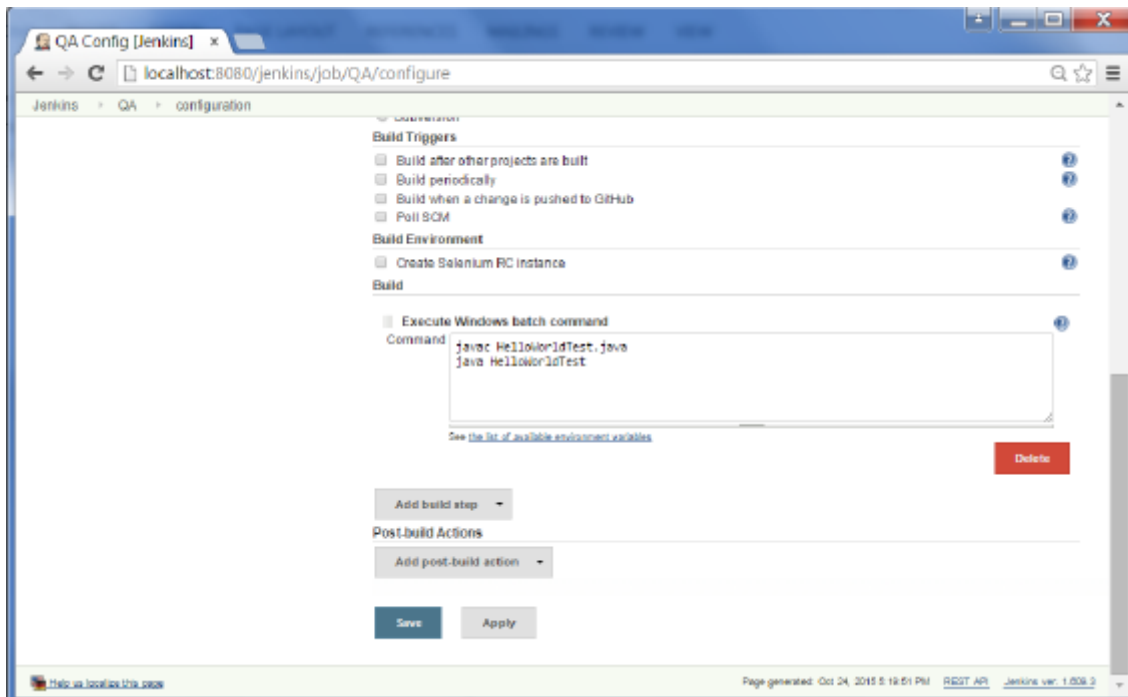
There are plugins available which can actually give you a graphical representation of the Continuous deployment process. But first lets create another project in Jenkins, so that we can see best how this works.

Let's create a simple project which emulates the QA stage, and does a test of the Helloworld application.

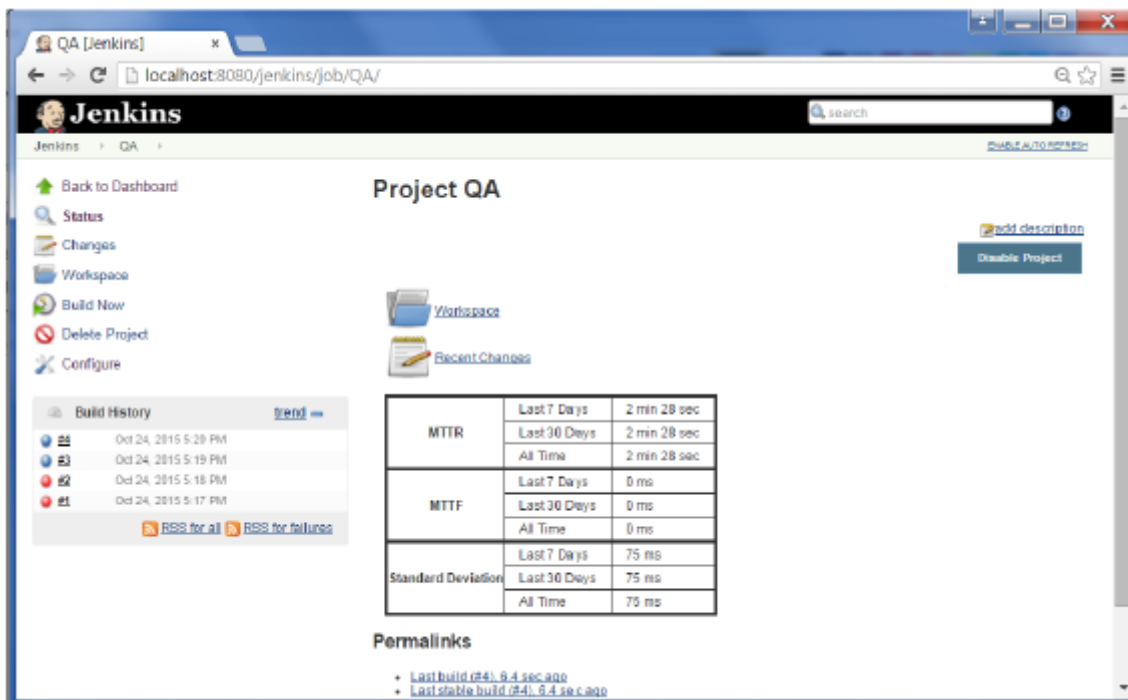
Step 1 – Go to the Jenkins dashboard and click on New Item. Choose a 'Freestyle project' and enter the project name as 'QA'. Click on the Ok button to create the project.



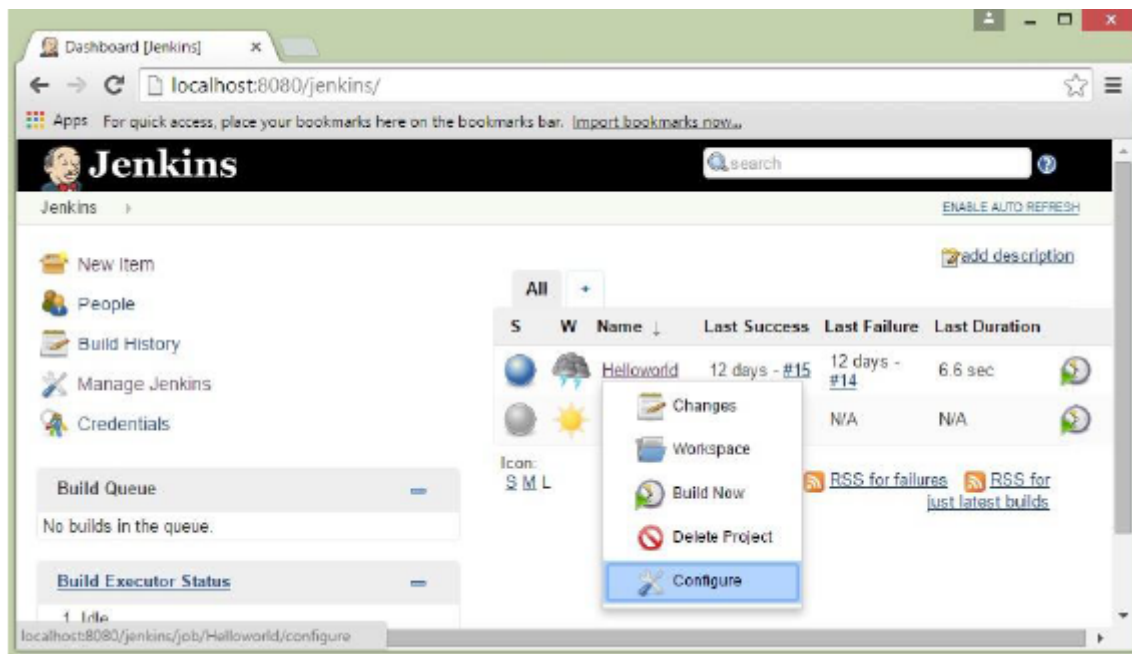
Step 2 – In this example, we are keeping it simple and just using this project to execute a test program for the Helloworld application.



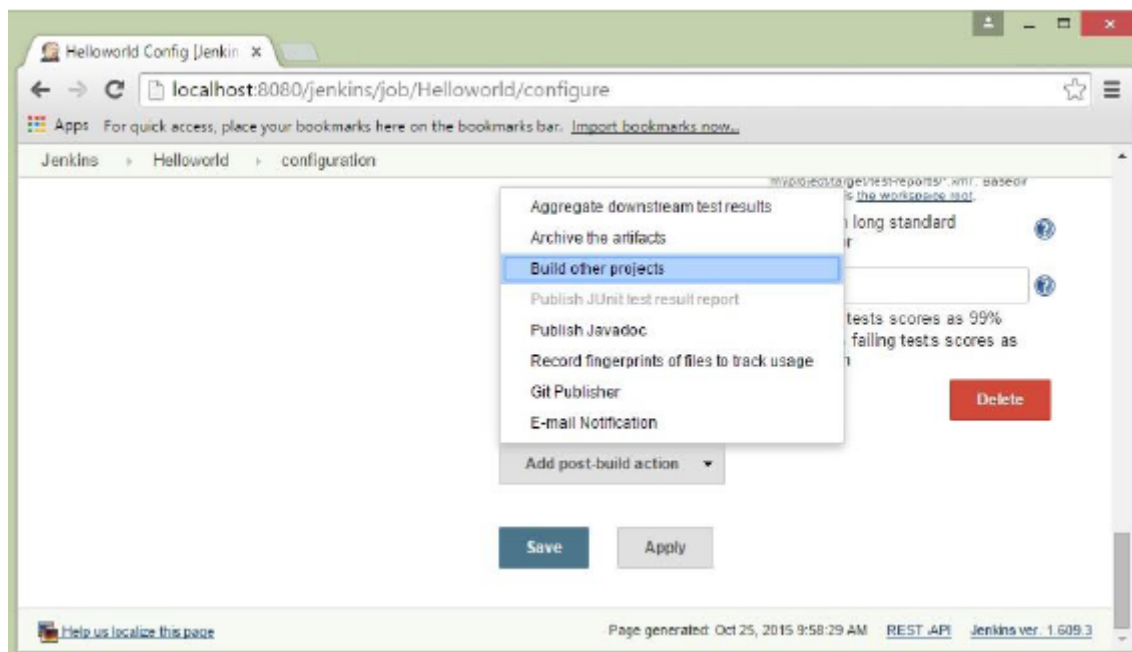
So our project QA is now setup. You can do a build to see if it builds properly.



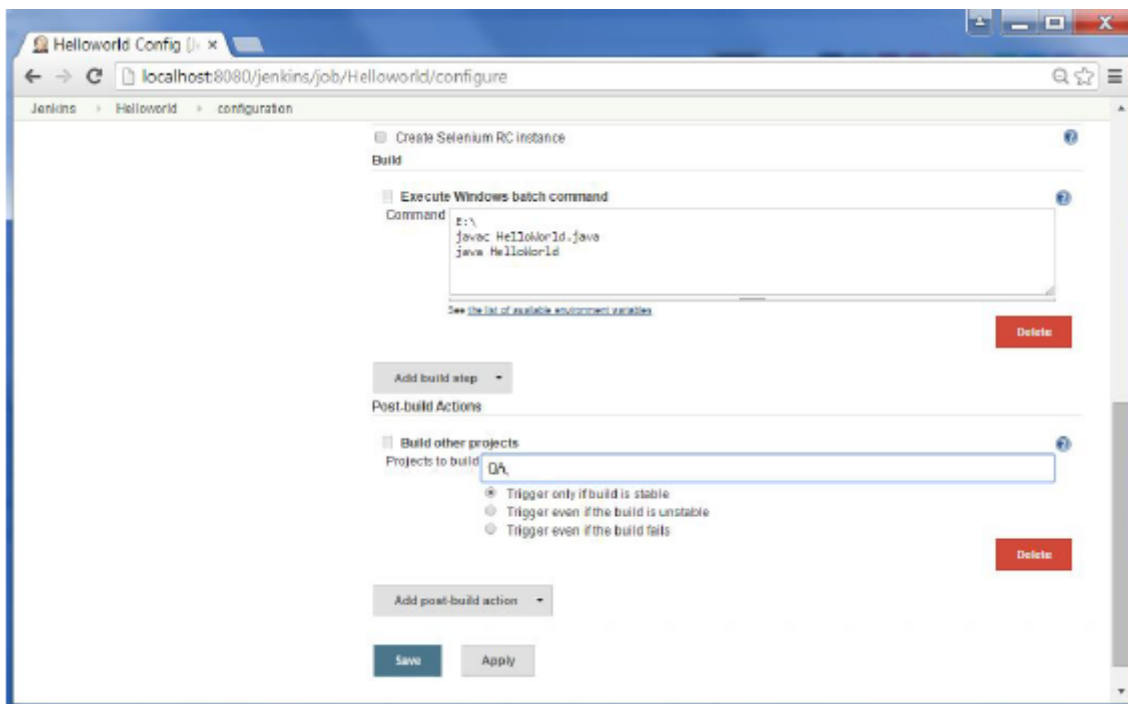
Step 3 – Now go to you Helloworld project and click on the Configure option



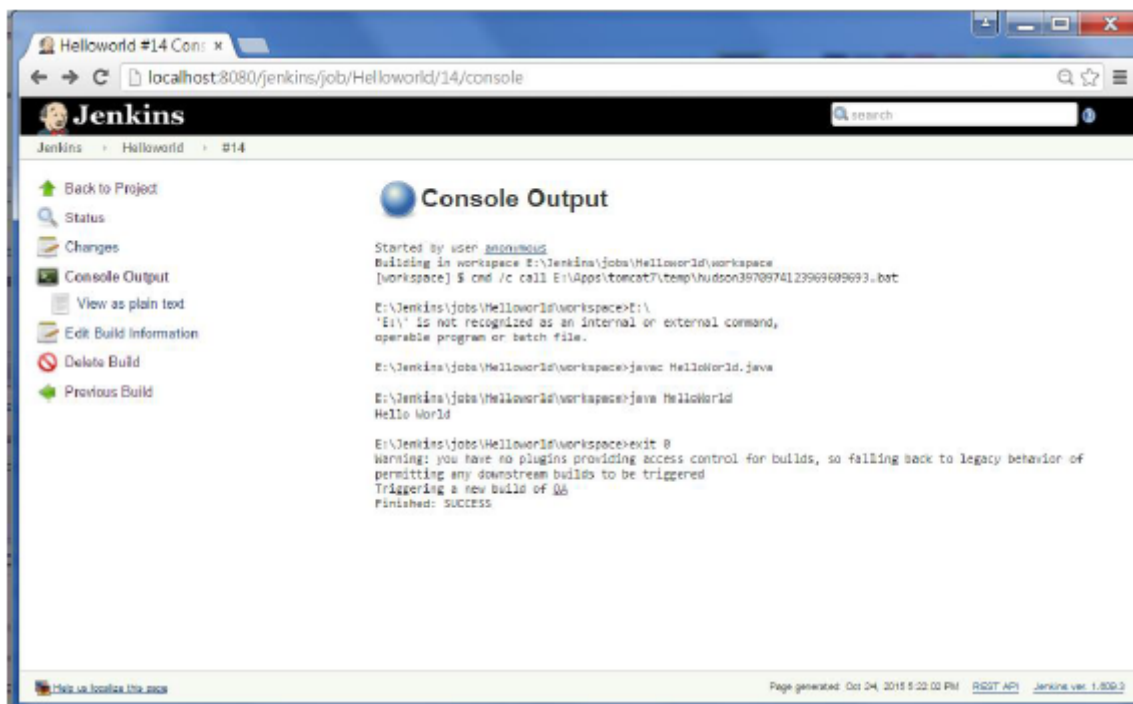
Step 4 – In the project configuration, choose the 'Add post-build action' and choose 'Build other projects'



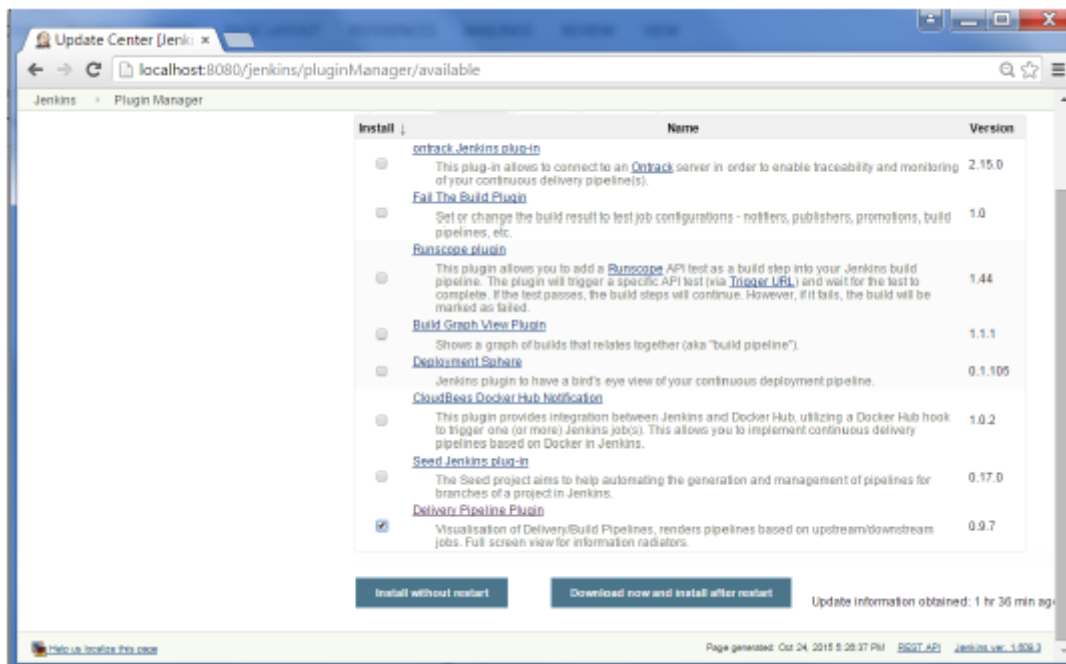
Step 5 – In the 'Project to build' section, enter QA as the project name to build. You can leave the option as default of 'Trigger only if build is stable'. Click on the Save button.



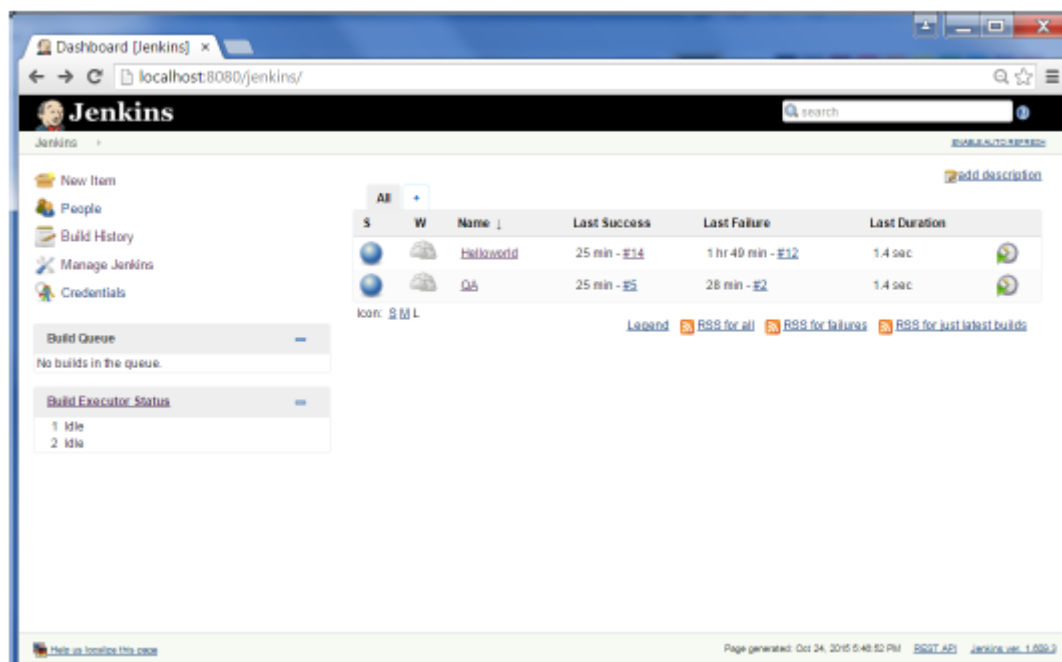
Step 6 – Build the Helloworld project. Now if you see the Console output, you will also see that after the Helloworld project is successfully built, the build of the QA project will also happen.



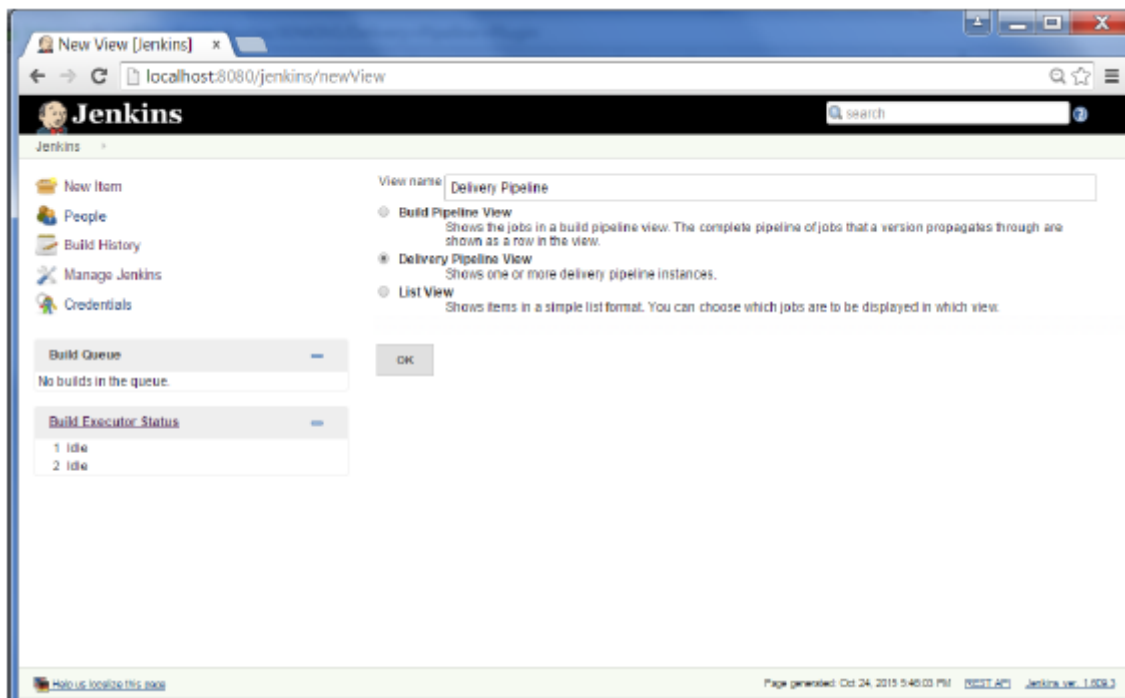
Step 7 – Let now install the Delivery pipeline plugin. Go to Manage Jenkins → Manage Plugin's. In the available tab, search for 'Delivery Pipeline Plugin'. Click On Install without Restart. Once done, restart the Jenkins instance.



Step 8 – To see the Delivery pipeline in action, in the Jenkins Dashboard, click on the + symbol in the Tab next to the 'All' Tab.



Step 9 – Enter any name for the View name and choose the option 'Delivery Pipeline View'.



Step 10 – In the next screen, you can leave the default options. One can change the following settings –

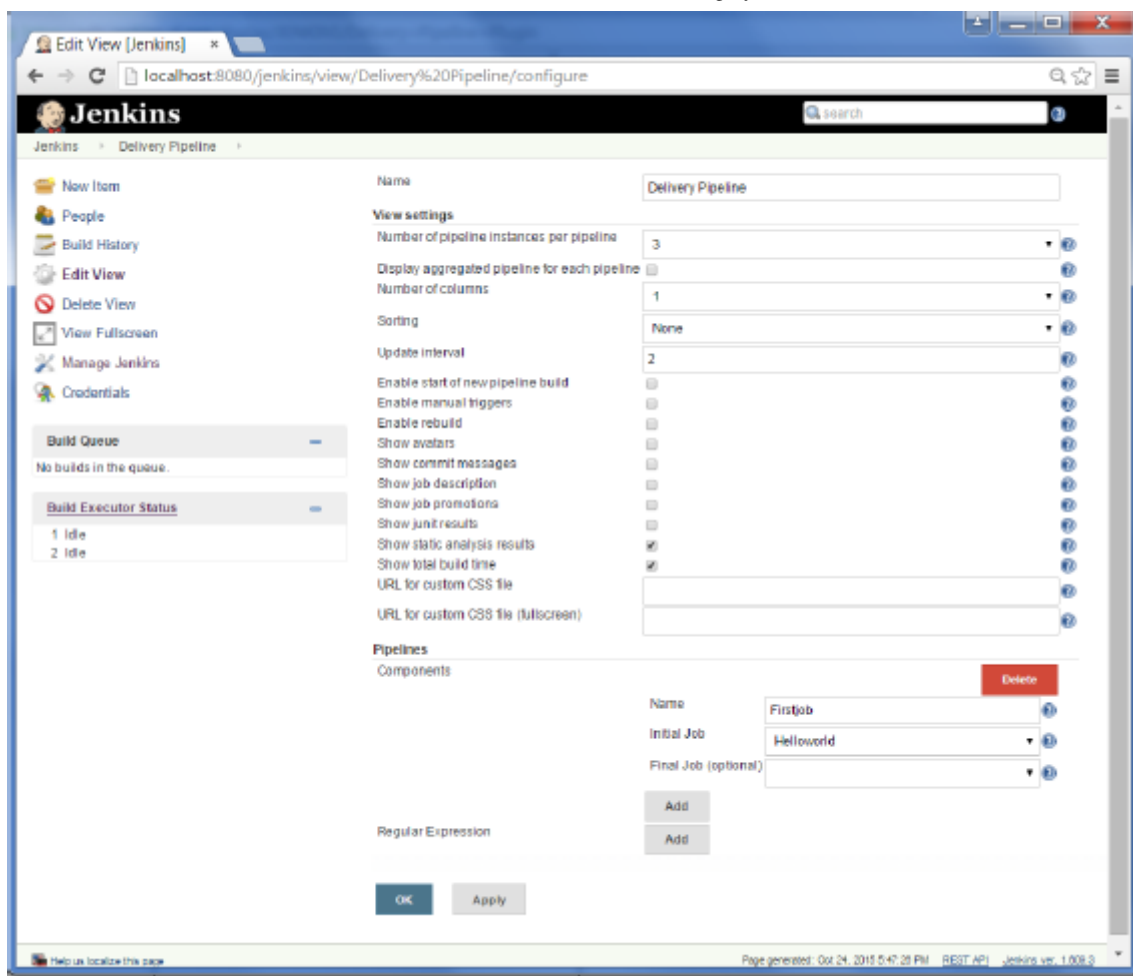
Ensure the option 'Show static analysis results' is checked.

Ensure the option 'Show total build time' is checked.

For the Initial job – Enter the Helloworld project as the first job which should build.

Enter any name for the Pipeline

Click the OK button.



You will now see a great view of the entire delivery pipeline and you will be able to see the status of each project in the entire pipeline.

Delivery Pipeline [Jer x]

localhost:8080/jenkins/view/Delivery%20Pipeline/

Jenkins

add description

All Delivery Pipeline

Firstjob

#14 triggered by user anonymous started 29 minutes ago
Total build time: 2 sec

Helloworld QA
Helloworld 25 minutes ago 1 sec QA 25 minutes ago 1 sec

#13 triggered by user anonymous started an hour ago
Total build time: 3 sec

Helloworld QA
Helloworld 29 hours ago 3 sec QA

#12 triggered by user anonymous started 2 hours ago
Total build time: 1 sec

Helloworld QA
Helloworld 2 hours ago 1 sec QA

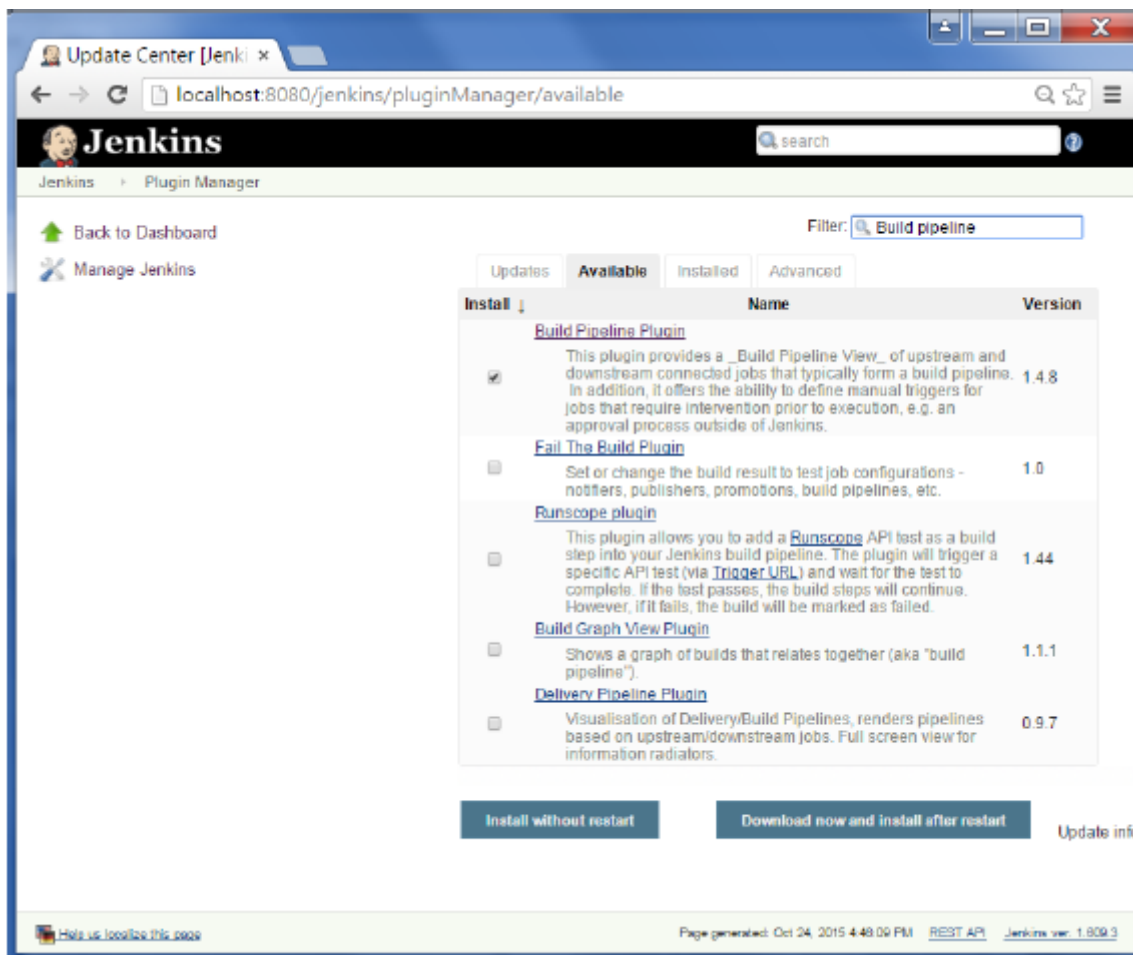
Build Queue
No builds in the queue.

Build Executor Status
1 Idle
2 Idle

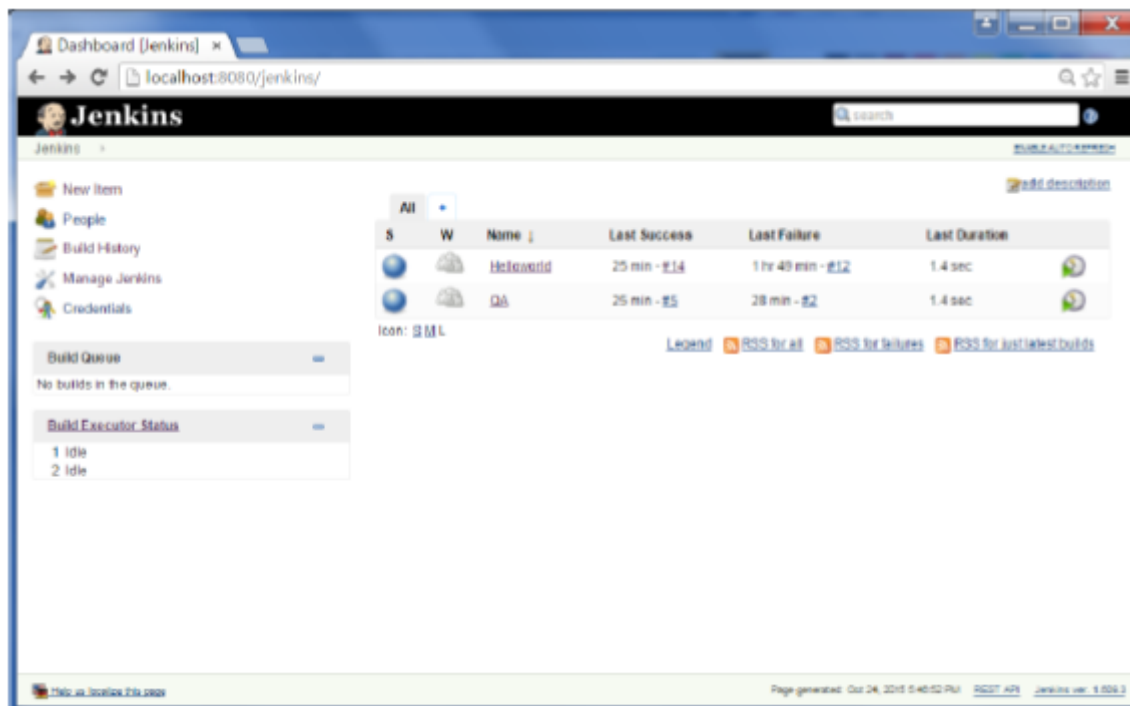
Page generated: Oct 24, 2015 5:49:35 PM: [REST API](#) Jenkins ver. 1.629.3

Another famous plugin is the **build pipeline plugin**. Let's take a look at this.

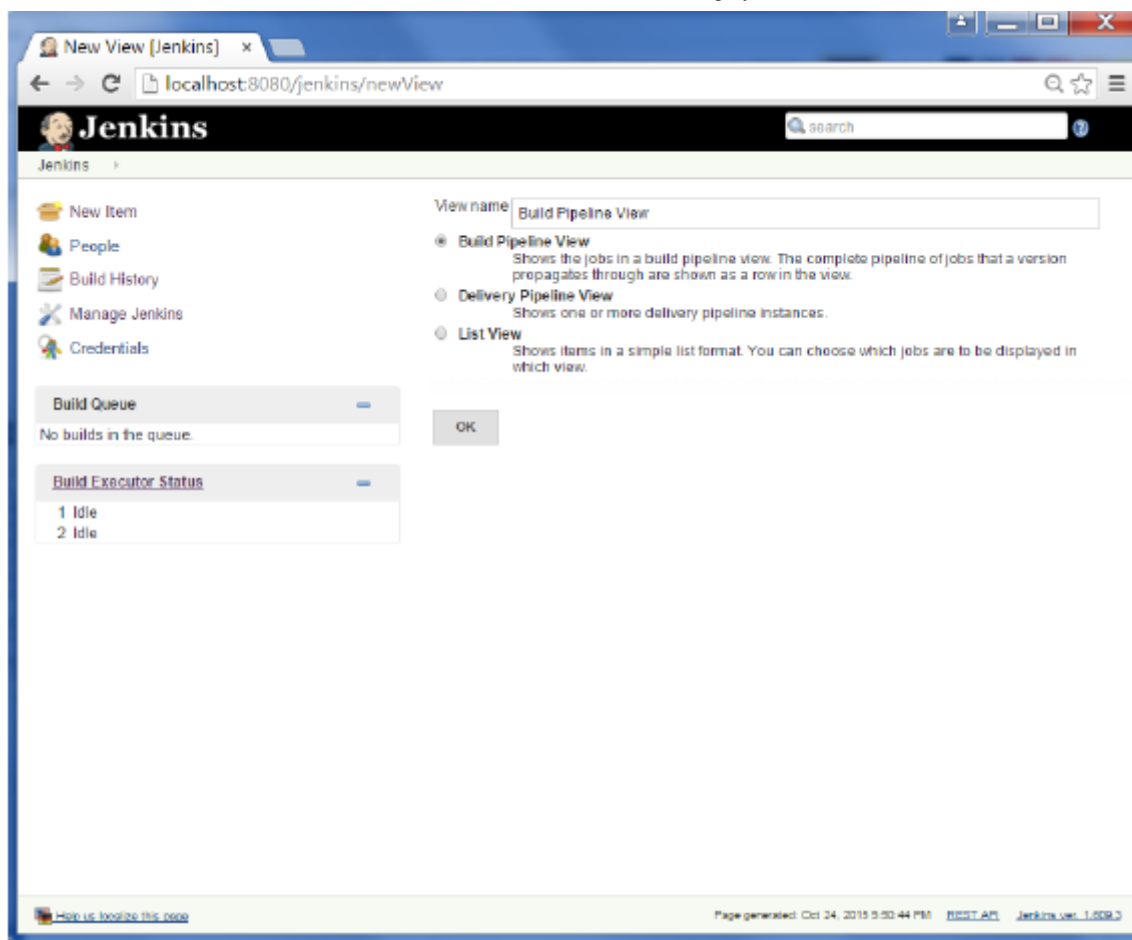
Step 1 – Go to Manage Jenkins → Manage Plugin's. In the available tab, search for 'Build Pipeline Plugin'. Click On Install without Restart. Once done, restart the Jenkins instance.



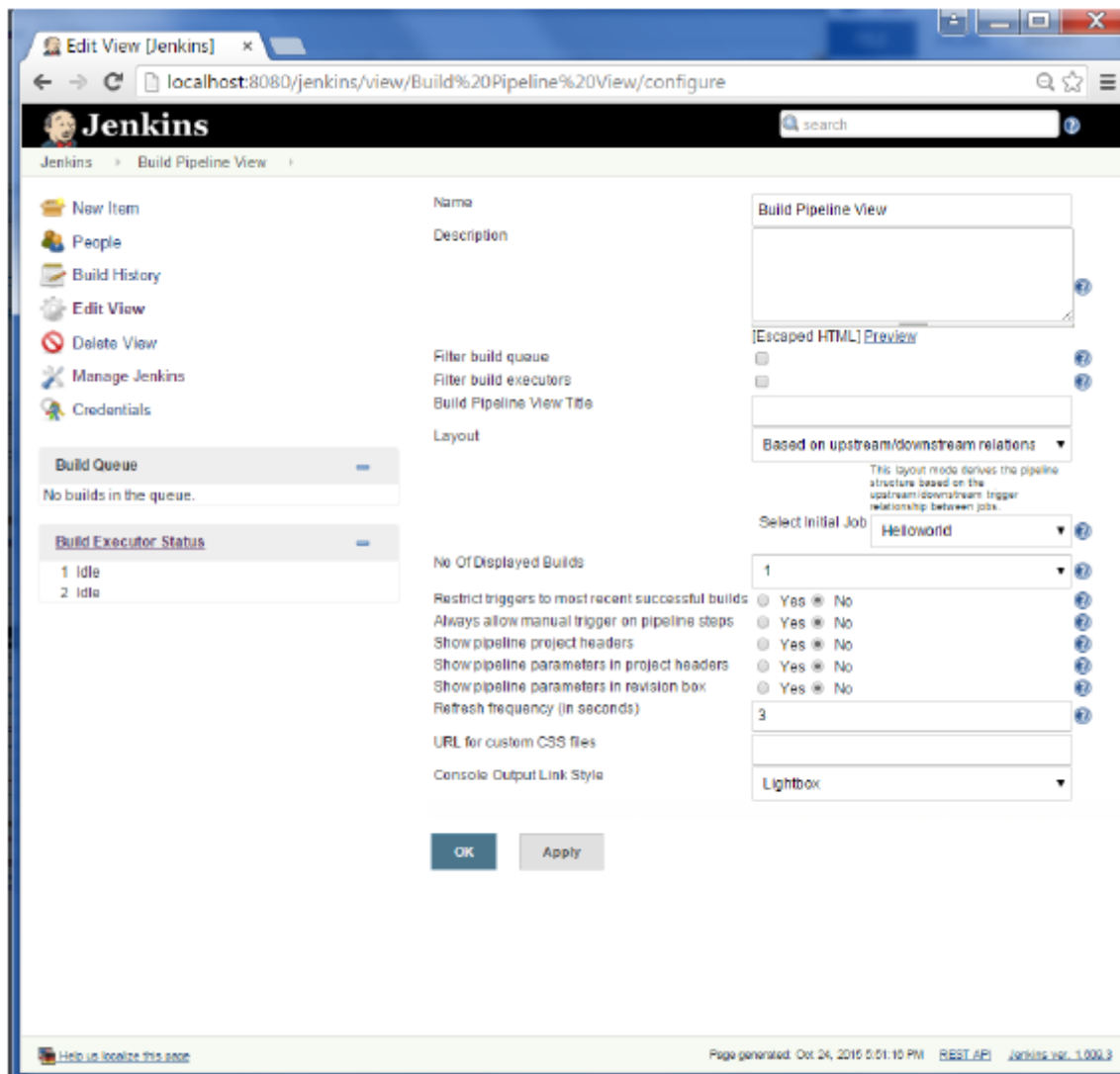
Step 2 – To see the Build pipeline in action, in the Jenkins Dashboard, click on the + symbol in the Tab next to the 'All' Tab.



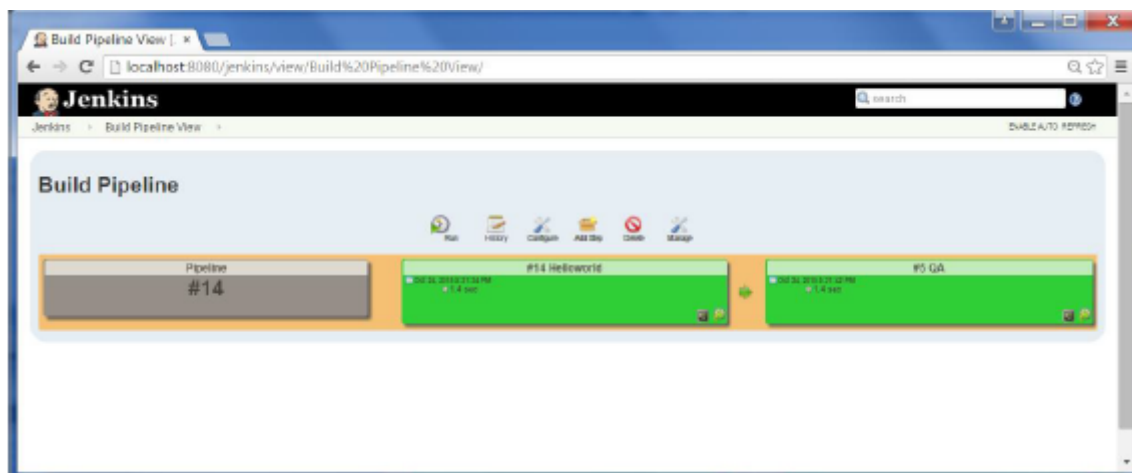
Step 3 – Enter any name for the View name and choose the option 'Build Pipeline View'.



Step 4 – Accept the default settings, just in the Selected Initial job, ensure to enter the name of the Helloworld project. Click on the Ok button.



You will now see a great view of the entire delivery pipeline and you will be able to see the status of each project in the entire pipeline.

[⏪ Previous Page](#)[Next Page ⏩](#)

Advertisements



Tutorials Point (India) Pvt. Ltd.

YouTube 166K

Buy E-Books Online PDF
GET ACCESS TO OUR HIGH QUALITY PDFS



[FAQ's](#) [Cookies Policy](#) [Contact](#)

© Copyright 2018. All Rights Reserved.

Enter email for newsletter

go