

# Jenkins IQ

## 1. How do you create maven job in Jenkins?

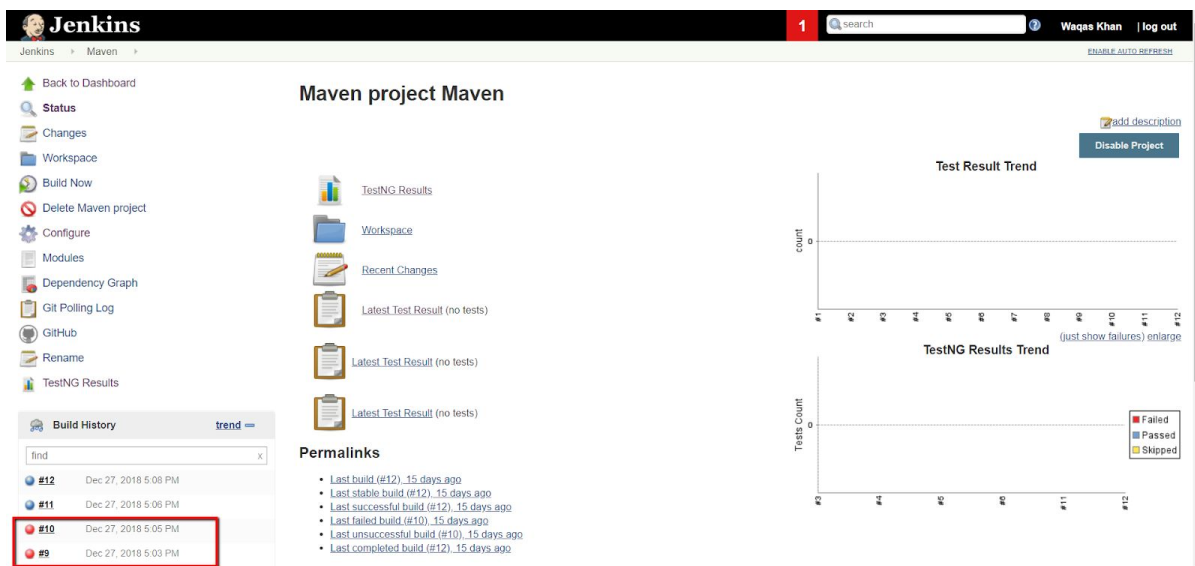
- Run Jenkins
- Add Maven plugins
- Create a Maven Job
- Specify the location of your Selenium project for example provide the github location
- Click build

## 2. How do you integrate Jenkins with Selenium?

<https://www.softwaretestinghelp.com/integration-of-jenkins-with-selenium-webdriver/>

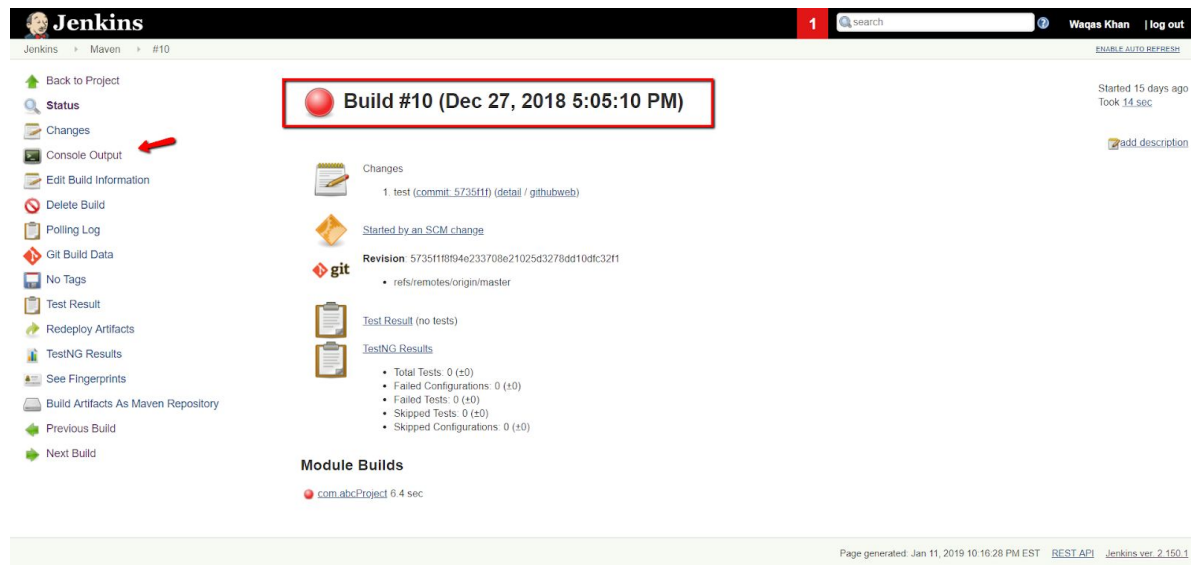
## 3. Jenkins how can you get failed built?

Click and open your Maven project, under Build History if the icon is in red color it means it is failed. You can click and view the details of the failed build. See console logs to view the details/reason of the failure.



The screenshot shows the Jenkins web interface for a project named 'Maven project Maven'. On the left sidebar, the 'Build History' section is visible, showing a list of builds. Build #10 is highlighted with a red status icon, indicating a failed build. The main content area displays 'TestNG Results' and 'Test Result Trend' graphs. The 'Test Result Trend' graph shows a count of tests over time, with a legend indicating 'Failed' (red), 'Passed' (blue), and 'Skipped' (yellow). The 'TestNG Results Trend' graph shows a count of tests over time, with a legend indicating 'Failed' (red), 'Passed' (blue), and 'Skipped' (yellow).

Build Number	Status	Timestamp
#12	Success	Dec 27, 2018 5:08 PM
#11	Success	Dec 27, 2018 5:06 PM
#10	Failed	Dec 27, 2018 5:05 PM
#9	Success	Dec 27, 2018 5:03 PM



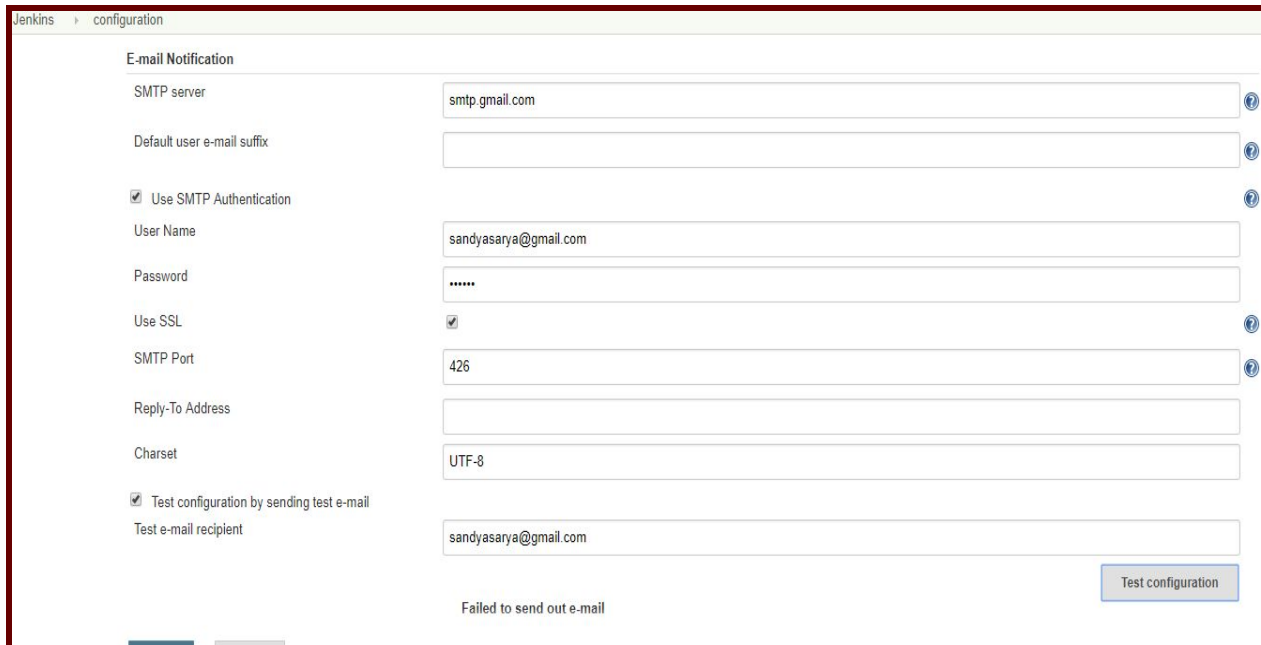
The screenshot displays the Jenkins web interface for a specific build. At the top, the Jenkins logo and navigation bar are visible, including a search bar and user information (Waqas Khan). The main content area is titled "Build #10 (Dec 27, 2018 5:05:10 PM)". On the left sidebar, a red arrow points to the "Console Output" link. The main panel shows build details: "Changes" (1 test commit), "Started by an SCM change", "Revision" (5735f118f94e233708e21025d3278dd10dfc32f1), and "Test Result" (no tests). Below this, "TestNG Results" are shown with statistics: Total Tests: 0 (±0), Failed Configurations: 0 (±0), Failed Tests: 0 (±0), Skipped Tests: 0 (±0), and Skipped Configurations: 0 (±0). The "Module Builds" section shows a single build for "com.abcProject" taking 6.4 seconds. The footer indicates the page was generated on Jan 11, 2019, at 10:10:28 PM EST, with links for REST API and Jenkins version 2.150.1.

#### 4. What is freestyle job?

Jenkins can be used to perform the typical build server work, such as doing continuous/official/nightly builds, run tests, or perform some repetitive batch tasks. This is called "free-style software project" in Jenkins. Freestyle build jobs are general-purpose build jobs, which provides a maximum of flexibility.

#### 5. How do you configure a job to send mails when Jenkins job execution complete?

Inside your Jenkins project, Click Configure > Under Post-build Actions select Email Notification and enter your Email Address



The screenshot shows the Jenkins configuration page for E-mail Notification. The form includes fields for SMTP server (smtp.gmail.com), Default user e-mail suffix, User Name (sandyasarya@gmail.com), Password (masked with dots), Use SSL (checked), SMTP Port (426), Reply-To Address, Charset (UTF-8), and Test e-mail recipient (sandyasarya@gmail.com). There are checkboxes for 'Use SMTP Authentication' and 'Test configuration by sending test e-mail'. A 'Test configuration' button is at the bottom right. A message 'Failed to send out e-mail' is displayed at the bottom center.

## 6. How can you get the log of the reports in Jenkins?

When you are at Jenkins Home > Click Manage Jenkins > Click System Log

## 7. How do you configure Jenkins to run based GitHub changes?

Specify the location of your github project  
in the Poll SCM section enter “ \* \* \* \* \* ”  
this will check github for changes every minute  
If there are changes it will execute the build

## 8. How do you time tests in Jenkins?

Test Results Analyzer Plugin

## 9. Do you know how to build a Jenkins job?

There are many standard plugins available within a Jenkins freestyle project to help you overcome this problem. They allow you to configure build triggers and offers project-based security for your Jenkins project.

**10. How do you check reports in Jenkins?**

After the build is finished, you can view the results of your TestComplete tests in Jenkins. You can view the results from the build page. If generating JUnit-style reports or JUnit reports was enabled, you can also view the results in a way you find suitable for this type of reports.

**11. What is the default port for jenkins?**

The default is port 8080