

# Selenium Grid:

Selenium-Grid allows you run your tests on different machines against different browsers

5 testcases

Selenium-Grid support distributed test execution.

You can also run the Tests in Parallel in multiple machines on Selenium Grid

HUB- IE 9 - chrome browser,IE11

50 testcases



## What is Hub?

- The Hub is the central point that will receive all the test request and distribute them the the right nodes.  
There should only be one hub in a grid.  
The machine containing the hub is where the tests will be triggered, but you will see the browser being automated on the node.

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- **Node :**

Nodes are the Selenium instances that will execute the tests that you loaded on the hub. Nodes can be launched on multiple machines with different platforms and browsers.

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### Steps

1. Download Selenium server jar
2. Started the hub

```
java -jar selenium-server-standalone-3.8.1.jar -role hub
```

3. Login to another machine and register it as node for Hub
4. Download the selenium server jar in node machine as well/ Check java-
5. 

```
java -jar selenium-server-standalone-3.8.1.jar -role webdriver -hub  
>ipaddress>/grid/register -port 5566
```

( Check if java is configured in system variables)

6.Chrome driver.exe file geckodriver-