java -jar F:/gri/selenium-server-standalone-2.53.1.jar -role hub  
java -Dwebdriver.chrome.driver=F:/gri/chromedriver.exe -jar F:/gri/selenium-server-standalone-2.53.1.jar -role node -hub <http://localhost:4444/grid/register>  
Allow us to execute script on different machine at same time  
Execution is possible on  
Different machine with different browser  
Same browser with different version  
It save lot of time and effort execution  
It consist of Hub and node  
Hub work as central point and controlling all the nodes  
Nodes are the actual machine on which execution happens

|  |  |
| --- | --- |
| Selenium Grid 1.0 | Selenium Grid 2.0 |
| Require Apache Ant | Apache not required |
| It has it own remote control | Bundled with selenium server jar |
| Support selenium RC command | Support both selenium RC and WebDriver scripts |
| Can automate one browser per remote controller | Can automate upto 5 browser |
|  |  |

|  |  |
| --- | --- |
| Hub | Node |
| Central point where we can load test | Selenium instance that will execute the test |
| Only one hub in grid | One or more grid |
| Launched only one on a single machine | Launched on multiple machine with different platform and browser |
|  |  |
|  |  |