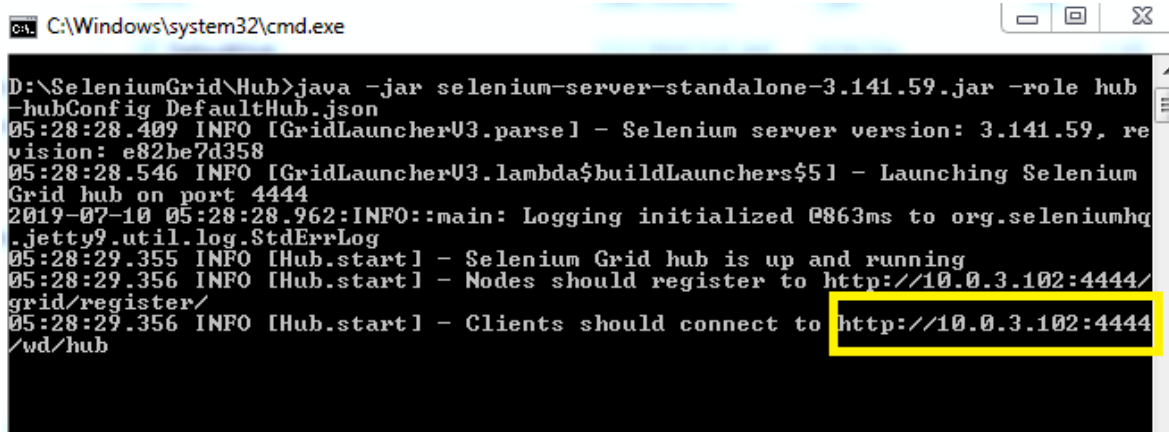


# SELENIUM GRID SETUP FOR EVERY FRAMEWORK

## Steps To Hub Set Up: -

1. Copy “SeleniumGrid” folder from Project workspace and paste it anywhere.
2. Open “SeleniumGrid” folder.
3. Open “Hub” Folder.
4. Run “hub.bat” file.



```
C:\Windows\system32\cmd.exe
D:\SeleniumGrid\Hub>java -jar selenium-server-standalone-3.141.59.jar -role hub
-hubConfig DefaultHub.json
05:28:28.409 INFO [GridLauncherV3.parse] - Selenium server version: 3.141.59, re
vision: e82be7d358
05:28:28.546 INFO [GridLauncherV3.lambda$buildLaunchers$5] - Launching Selenium
Grid hub on port 4444
2019-07-10 05:28:28.962:INFO::main: Logging initialized @863ms to org.seleniumhq
.jetty9.util.log.StdErrLog
05:28:29.355 INFO [Hub.start] - Selenium Grid hub is up and running
05:28:29.356 INFO [Hub.start] - Nodes should register to http://10.0.3.102:4444/
grid/register/
05:28:29.356 INFO [Hub.start] - Clients should connect to http://10.0.3.102:4444
/wd/hub
```

Please Note down the Hub IP Address.

## Steps To Node Set Up on Window7/8: -

1. Copy “SeleniumGrid” folder from Project workspace and paste it anywhere.
2. Open “SeleniumGrid” folder.
3. Open “WindowNode” folder.
4. Open “GlobalFile.json” file with “Notepad” and verify “hub” value is same as hub IP address. If not then change it and save it.

```
{
  "proxy": "org.openqa.grid.selenium.proxy.DefaultRemoteProxy",
  "maxSession": 1,
  "port": -1,
  "register": true,
  "registerCycle": 5000,
  "hub": "http://10.0.3.102:4444",
  "nodeStatusCheckTimeout": 3000,
  "nodePolling": 5000,
  "role": "node",
  "unregisterIfStillDownAfter": 60000,
  "downPollingLimit": 2,
  "debug": false,
  "servlets": [],
  "withoutServlets": [],
  "custom": {}
}
```

Match Hub of IP address.

5. Run “GlobalNode.bat” file.

#### **Steps To Node Set Up on Window10: -**

1. Copy “SeleniumGrid” folder from Project workspace and paste it anywhere.
2. Open “SeleniumGrid” folder.
3. Open “Window10Node” folder.
4. Open “GlobalFile.json” file with “Notepad” and verify “hub” value is same as hub IP address. If not then change it and save it.

```
1,  
  "proxy": "org.openqa.grid.selenium.proxy.DefaultRemoteProxy",  
  "maxSession": 1,  
  "port": -1,  
  "register": true,  
  "registerCycle": 5000,  
  "hub": "http://10.0.3.102:4444",  
  "nodeStatusCheckTimeout": 5000,  
  "nodePolling": 5000,  
  "role": "node",  
  "unregisterIfStillDownAfter": 60000,  
  "downPollingLimit": 2,  
  "debug": false,  
  "servlets": [],  
  "withoutServlets": [],  
  "custom": {}
```

Match Hub of IP address.

5. Run “GlobalNode.bat” file.

#### **Steps To Node Set Up on MAC: -**

1. Copy “MacNode” folder at Desktop.
2. Open “MacNode” folder.
3. Open “node1.json” file with any text editor and verify “hub” value is same as hub IP address. If not then change it and save it.

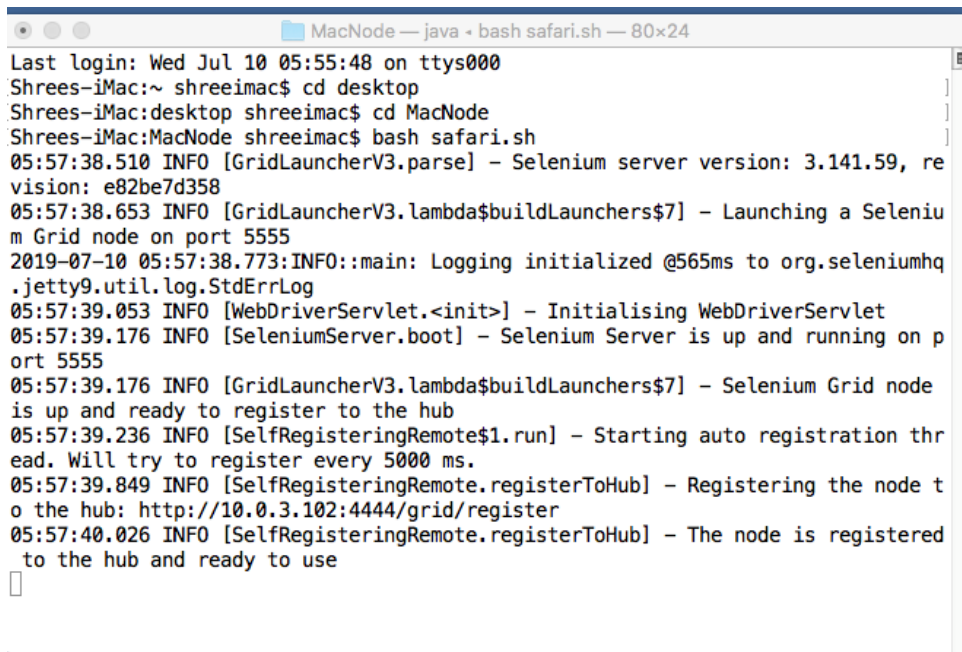
```

    ],
    "proxy": "org.openqa.grid.selenium.proxy.DefaultRemoteProxy",
    "maxSession": 1,
    "port": -1,
    "register": true,
    "registerCycle": 5000,
    "hub": "http://10.0.3.102:4444",
    "nodeStatusCheckTimeout": 5000,
    "nodePolling": 5000,
    "role": "node",
    "unregisterIfStillDownAfter": 60000,
    "downPollingLimit": 2,
    "debug": false,
    "servlets" : [],
    "withoutServlets": [],
    "custom": {}

```

Match Hub of IP address.

4. Open “**Terminal**”. Type “**cd Desktop**” and press enter.
5. Type “**cd MacNode**” and press **Enter**.
6. Type “**bash safari.sh**” and press **Enter**.



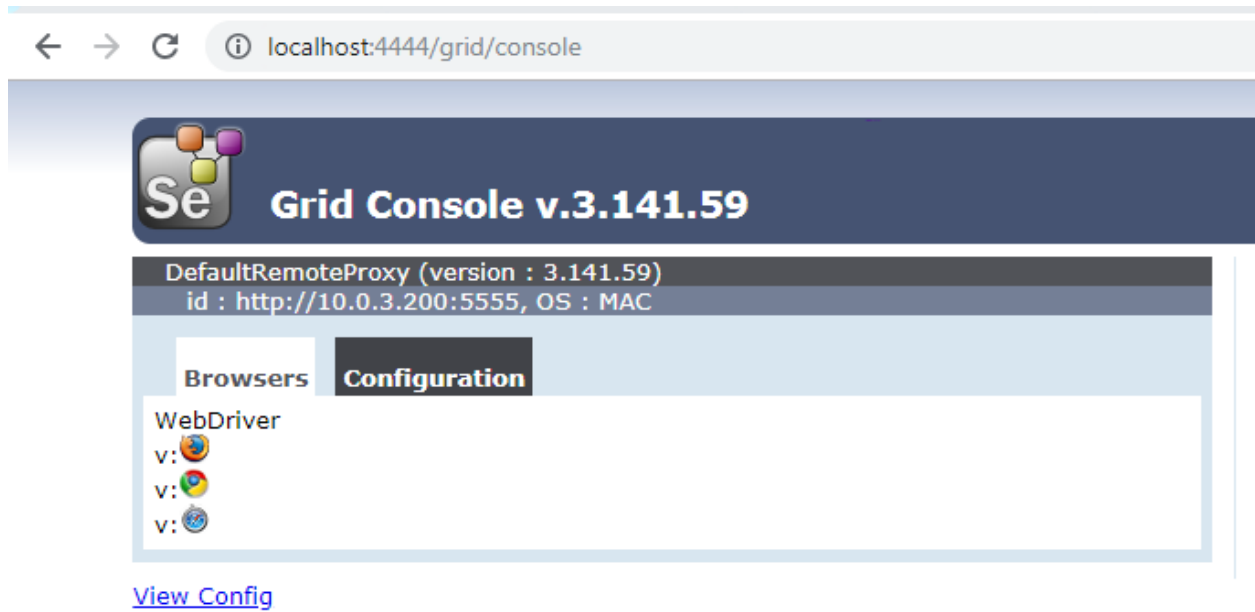
```

MacNode — java • bash safari.sh — 80x24
Last login: Wed Jul 10 05:55:48 on ttys000
Shrees-iMac:~ shreeimac$ cd desktop
Shrees-iMac:desktop shreeimac$ cd MacNode
Shrees-iMac:MacNode shreeimac$ bash safari.sh
05:57:38.510 INFO [GridLauncherV3.parse] - Selenium server version: 3.141.59, re
vision: e82be7d358
05:57:38.653 INFO [GridLauncherV3.lambda$buildLaunchers$7] - Launching a Seleniu
m Grid node on port 5555
2019-07-10 05:57:38.773:INFO::main: Logging initialized @565ms to org.seleniumhq
.jetty9.util.log.StdErrLog
05:57:39.053 INFO [WebDriverServlet.<init>] - Initialising WebDriverServlet
05:57:39.176 INFO [SeleniumServer.boot] - Selenium Server is up and running on p
ort 5555
05:57:39.176 INFO [GridLauncherV3.lambda$buildLaunchers$7] - Selenium Grid node
is up and ready to register to the hub
05:57:39.236 INFO [SelfRegisteringRemote$1.run] - Starting auto registration thr
ead. Will try to register every 5000 ms.
05:57:39.849 INFO [SelfRegisteringRemote.registerToHub] - Registering the node t
o the hub: http://10.0.3.102:4444/grid/register
05:57:40.026 INFO [SelfRegisteringRemote.registerToHub] - The node is registered
to the hub and ready to use

```

## To Check Node is connect with Hub

Open Browser type <http://localhost:4444/grid/console>






The screenshot shows a web browser window with the address bar displaying `localhost:4444/grid/console`. The page title is "Grid Console v.3.141.59". Below the title, there is a status bar indicating "DefaultRemoteProxy (version : 3.141.59)" and "id : http://10.0.3.200:5555, OS : MAC". The main content area has two tabs: "Browsers" and "Configuration". The "Browsers" tab is active, showing a list of WebDrivers. The "Configuration" tab is also visible. At the bottom of the page, there is a link labeled "View Config".

Grid Console v.3.141.59

DefaultRemoteProxy (version : 3.141.59)  
id : http://10.0.3.200:5555, OS : MAC

Browsers Configuration

WebDriver  
v:   
v:   
v: 

[View Config](#)