

ASSISTED PRACTICE PROJECT

Grid Configuration Using JSON

myhub.json

```
{
  "port": 4445,
  "newSessionWaitTimeout": -1,
  "servlets" : [],
  "withoutServlets": [],
  "custom": {},
  "capabilityMatcher": "org.openqa.grid.internal.utils.DefaultCapabilityMatcher",
  "throwOnCapabilityNotPresent": true,
  "cleanUpCycle": 5000,
  "role": "hub",
  "debug": false,
  "browserTimeout": 0,
  "timeout": 1800
}
```

mynode.json

```
{
  "capabilities":
  [
    {
      "browserName": "firefox",
      "maxInstances": 5,
      "seleniumProtocol": "WebDriver"
    },
    {
      "browserName": "chrome",
      "maxInstances": 5,
      "seleniumProtocol": "WebDriver"
    }
  ]
}
```

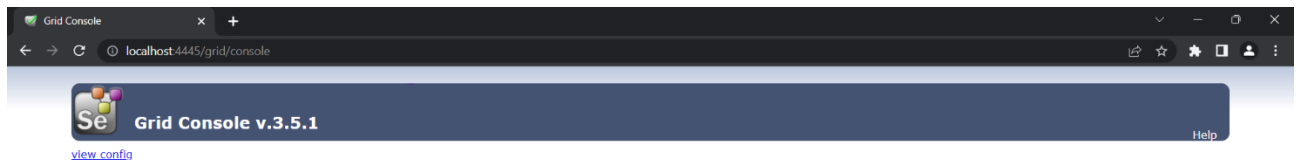
```
    },  
    {  
      "browserName": "internet explorer",  
      "maxInstances": 1,  
      "seleniumProtocol": "WebDriver"  
    }  
  ],  
  "proxy": "org.openqa.grid.selenium.proxy.DefaultRemoteProxy",  
  "maxSession": 5,  
  "port": 5555,  
  "register": true,  
  "registerCycle": 5000,  
  "hub": "http://localhost:4445",  
  "nodeStatusCheckTimeout": 5000,  
  "nodePolling": 5000,  
  "role": "node",  
  "unregisterIfStillDownAfter": 60000,  
  "downPollingLimit": 2,  
  "debug": false,  
  "servlets" : [],  
  "withoutServlets": [],  
  "custom": {}  
}
```

```
C:\WINDOWS\system32\cmd.exe - Java -jar selenium-server-standalone-3.5.1.jar -role hub -hubConfig myhub.json
Microsoft Windows [Version 10.0.22621.521]
(c) Microsoft Corporation. All rights reserved.

C:\Users\admin>cd Downloads

C:\Users\admin\Downloads>cd Selenium_files

C:\Users\admin\Downloads\Selenium_files>Java -jar selenium-server-standalone-3.5.1.jar -role hub -hubConfig myhub.json
12:29:25.150 INFO - Selenium build info: version: '3.5.1', revision: '9c21bb67ef'
12:29:25.152 INFO - Launching Selenium Grid hub
2022-10-01 12:29:26.560:INFO:main: Logging initialized @4141ms to org.seleniumhq.jetty9.util.log.StdErrLog
12:29:26.579 INFO - Will listen on 4445
2022-10-01 12:29:26.686:INFO:osjs.Server:main: jetty-9.4.5.v20170502
2022-10-01 12:29:26.727:INFO:osjs.session:main: DefaultSessionIdManager workerName=node0
2022-10-01 12:29:26.727:INFO:osjs.session:main: No SessionScavenger set, using defaults
2022-10-01 12:29:26.734:INFO:osjs.session:main: Scavenging every 660000ms
2022-10-01 12:29:26.747:INFO:osjs.ContextHandler:main: Started o.s.j.s.ServletContextHandler@2cb2fc20{/,null,AVAILABLE}
2022-10-01 12:29:27.134:INFO:osjs.AbstractConnector:main: Started ServerConnector@a8319a9{HTTP/1.1,[http/1.1]}{0.0.0.0:4445}
2022-10-01 12:29:27.135:INFO:osjs.Server:main: Started @4717ms
12:29:27.135 INFO - Nodes should register to http://192.168.1.34:4445/grid/register/
12:29:27.135 INFO - Selenium Grid hub is up and running
```



```
C:\WINDOWS\system32\cmd.exe - java -Dwebdriver.gecko.driver="C:\Users\admin\Downloads\geckodriver-v0.31.0-win64\geckodriver.exe" -Dwebdriver.ie.driver="IEDriverServer.exe" -Dwebdriver.chrome.driver="C:\Users\admin\Downloads\chromedriver_win32\chromedriver.exe" -jar selenium-server-standalone-3.5.1.jar -role node -nodeConfig mynode.json
Microsoft Windows [Version 10.0.22621.521]
(c) Microsoft Corporation. All rights reserved.

C:\Users\admin>cd Downloads

C:\Users\admin\Downloads>cd Selenium_files

C:\Users\admin\Downloads\Selenium_files>java -Dwebdriver.gecko.driver="C:\Users\admin\Downloads\geckodriver-v0.31.0-win64\geckodriver.exe" -Dwebdriver.ie.driver="IEDriverServer.exe" -Dwebdriver.chrome.driver="C:\Users\admin\Downloads\chromedriver_win32\chromedriver.exe" -jar selenium-server-standalone-3.5.1.jar -role node -nodeConfig mynode.json
12:50:34.870 INFO - Selenium build info: version: '3.5.1', revision: '9c21bb67ef'
12:50:34.871 INFO - Launching a Selenium Grid node
2022-10-01 12:50:36.117:INFO:main: Logging initialized @1716ms to org.seleniumhq.jetty9.util.log.StdErrLog
12:50:36.193 INFO - Driver class not found: com.opera.core.systems.OperaDriver
12:50:36.214 INFO - Driver provider class org.openqa.selenium.safari.SafariDriver registration is skipped:
registration capabilities Capabilities [{browserName=safari, version=, platform=MAC}] does not match the current platform XP
12:50:36.255 INFO - Using the passthrough mode handler
2022-10-01 12:50:36.290:INFO:osjs.Server:main: jetty-9.4.5.v20170502
2022-10-01 12:50:36.324:WARN:osjs.SecurityHandler:main: ServletContext@o.s.j.s.ServletContextHandler@736caf7a{/,null,STARTING} has uncovered http methods for path: /
2022-10-01 12:50:36.332:INFO:osjs.ContextHandler:main: Started o.s.j.s.ServletContextHandler@736caf7a{/,null,AVAILABLE}
2022-10-01 12:50:36.382:INFO:osjs.AbstractConnector:main: Started ServerConnector@112f364d{HTTP/1.1,[http/1.1]}{0.0.0.0:5555}
2022-10-01 12:50:36.383:INFO:osjs.Server:main: Started @1983ms
12:50:36.384 INFO - Selenium Grid node is up and ready to register to the hub
12:50:36.394 INFO - Starting auto registration thread. Will try to register every 5000 ms.
12:50:36.395 INFO - Registering the node to the hub: http://localhost:4445/grid/register
12:50:36.794 INFO - The node is registered to the hub and ready to use
2022-10-01 12:50:42.049:INFO:osjs.hc.ROOT:qtp511832416-16: org.openqa.selenium.remote.server.WebDriverServlet-7f132176: Initialising WebDriverServlet
12:50:42.084 INFO - Found handler: org.openqa.selenium.remote.server.commandhandler.Status@8d9959e
12:50:42.091 INFO - /status: Executing GET on /status (handler: Status)
```

