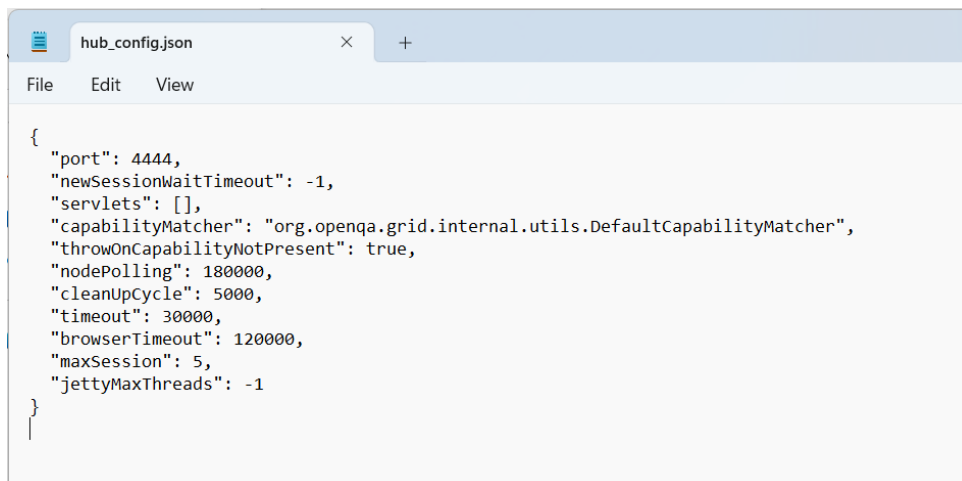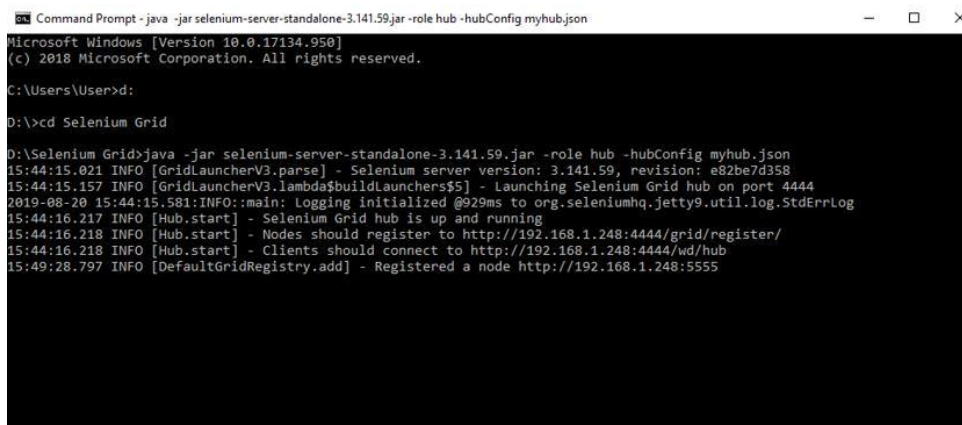# Grid Configuration Using JSON

Hub_config.json


```json
{
  "port": 4444,
  "newSessionWaitTimeout": -1,
  "servlets": [],
  "capabilityMatcher": "org.openqa.grid.internal.utils.DefaultCapabilityMatcher",
  "throwOnCapabilityNotPresent": true,
  "nodePolling": 180000,
  "cleanUpCycle": 5000,
  "timeout": 30000,
  "browserTimeout": 120000,
  "maxSession": 5,
  "jettyMaxThreads": -1
}
```

Java -jar selenium-server-standalone-3.141.59.jar -role hub -hubConfig Hub_config.json

Mynodes.json

```json
{
    "capabilities":
    [
      {
        "browserName": "firefox",
        "maxInstances": 5,
        "seleniumProtocol": "WebDriver"
      },
      {
        "browserName": "chrome",
        "maxInstances": 5,
        "seleniumProtocol": "WebDriver"
      }
    ],
    "proxy": "org.openqa.grid.selenium.proxy.DefaultRemoteProxy",
    "maxSession": 5,
    "port": 5555,
    "register": true,
    "registerCycle": 5000,
    "hub": "http://localhost:4444",
    "nodeStatusCheckTimeout": 5000,
    "nodePolling": 5000,
    "role": "node",
    "unregisterIfStillDownAfter": 60000,
    "downPollingLimit": 2,
    "debug": false,
    "servlets" : [],
    "withoutServlets": [],
    "custom": {}
}
```

java -Dwebdriver.gecko.driver="geckodriver.exe" -Dwebdriver.chrome.driver="chromedriver.exe" -jar selenium-server-standalone-3.141.59.jar -role node -nodeConfig mynodes.json

```
Microsoft Windows [Version 10.0.17134.950]
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C:\Users\User>d:

D:\>cd Selenium Grid

D:\Selenium Grid>java -Dwebdriver.gecko.driver="geckodriver.exe" -Dwebdriver.chrome.driver="chromedriver.exe" -jar selen
ium-server-standalone-3.141.59.jar -role node -nodeConfig mynodes.json
16:05:36.650 INFO [GridLauncherV3.parse] - Selenium server version: 3.141.59, revision: e82be7d358
16:05:36.809 INFO [GridLauncherV3.lambda$buildLaunchers$7] - Launching a Selenium Grid node on port 5555
2019-08-20 16:05:37.511:INFO::main: Logging initialized @1177ms to org.seleniumhq.jetty9.util.log.StdErrLog
16:05:37.856 INFO [WebDriverServlet.<init>] - Initialising WebDriverServlet
16:05:37.959 INFO [SeleniumServer.boot] - Selenium Server is up and running on port 5555
16:05:37.959 INFO [GridLauncherV3.lambda$buildLaunchers$7] - Selenium Grid node is up and ready to register to the hub
16:05:38.225 INFO [SelfRegisteringRemote$1.run] - Starting auto registration thread. Will try to register every 5000 ms.

16:05:38.769 INFO [SelfRegisteringRemote.registerToHub] - Registering the node to the hub: http://localhost:4444/grid/re
gister
16:05:38.992 INFO [SelfRegisteringRemote.registerToHub] - The node is registered to the hub and ready to use
```

http://localhost:4444/grid/console