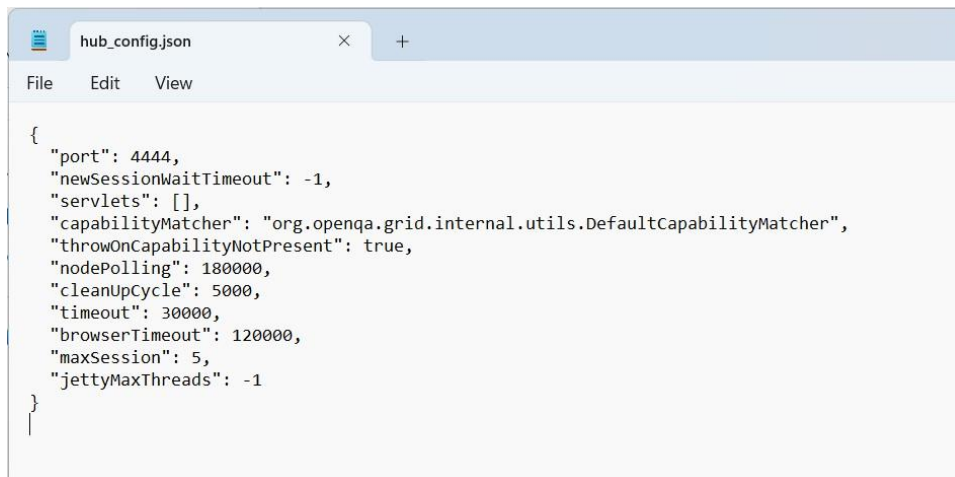


2.6 Grid Configuration Using JSON

Hub_config.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



```
Command Prompt - java -jar selenium-server-standalone-3.141.59.jar -role hub -hubConfig myhub.json
Microsoft Windows [Version 10.0.17134.950]
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C:\Users\User>cd Selenium Grid

D:\Selenium Grid>java -jar selenium-server-standalone-3.141.59.jar -role hub -hubConfig myhub.json
15:44:15.021 INFO [GridLauncherV3.parse] - Selenium server version: 3.141.59, revision: e82be7d358
15:44:15.157 INFO [GridLauncherV3.lambda$buildLaunchers$5] - Launching Selenium Grid hub on port 4444
2019-08-20 15:44:15.581:INFO:main: Logging initialized @929ms to org.seleniumhq.jetty9.util.log.StdErrLog
15:44:16.217 INFO [Hub.start] - Selenium Grid hub is up and running
15:44:16.218 INFO [Hub.start] - Nodes should register to http://192.168.1.248:4444/grid/register/
15:44:16.218 INFO [Hub.start] - Clients should connect to http://192.168.1.248:4444/wd/hub
15:49:28.797 INFO [DefaultGridRegistry.add] - Registered a node http://192.168.1.248:5555
```

Mynodes.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-serverstandalone-
3.141.59.jar -role node -nodeConfig mynodes.json

```
Microsoft Windows [Version 10.0.17134.950]
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C:\Users\User>cd Selenium Grid

D:\Selenium Grid>java -Dwebdriver.gecko.driver="geckodriver.exe" -Dwebdriver.chrome.driver="chromedriver.exe" -jar selenium-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
16:05:36.800 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/register
16:05:38.992 INFO [SelfRegisteringRemote.registerToHub] - The node is registered to the hub and ready to use
```

<http://localhost:4444/grid/console>

The screenshot shows the Selenium Grid console interface in a web browser. The browser's address bar displays `localhost:4444/ui#`. The page header includes the Selenium logo and the text "Selenium Grid 4.10.0 (revision c14d967899)". On the left, a sidebar contains three menu items: "Overview" (selected), "Sessions", and "Help". The main content area displays a card for a specific node with the following information:

- URI: `http://192.168.0.102:5555`
- Styretypes: A list of browser types, including "Microsoft Edge" (indicated by a Windows logo icon).
- Sessions: 0
- Max. Concurrency: 4
- A progress bar showing 0% completion.

At the bottom of the page, a small footer reads: "Help - All rights reserved - Software Freedom Conservancy 2023".