

Practice Project:

Selenium Grid

Screenshots:

```
Command Prompt - java -jar selenium-server-standalone-3.141.59.jar -role hub
Microsoft Windows [Version 10.0.22000.2057]
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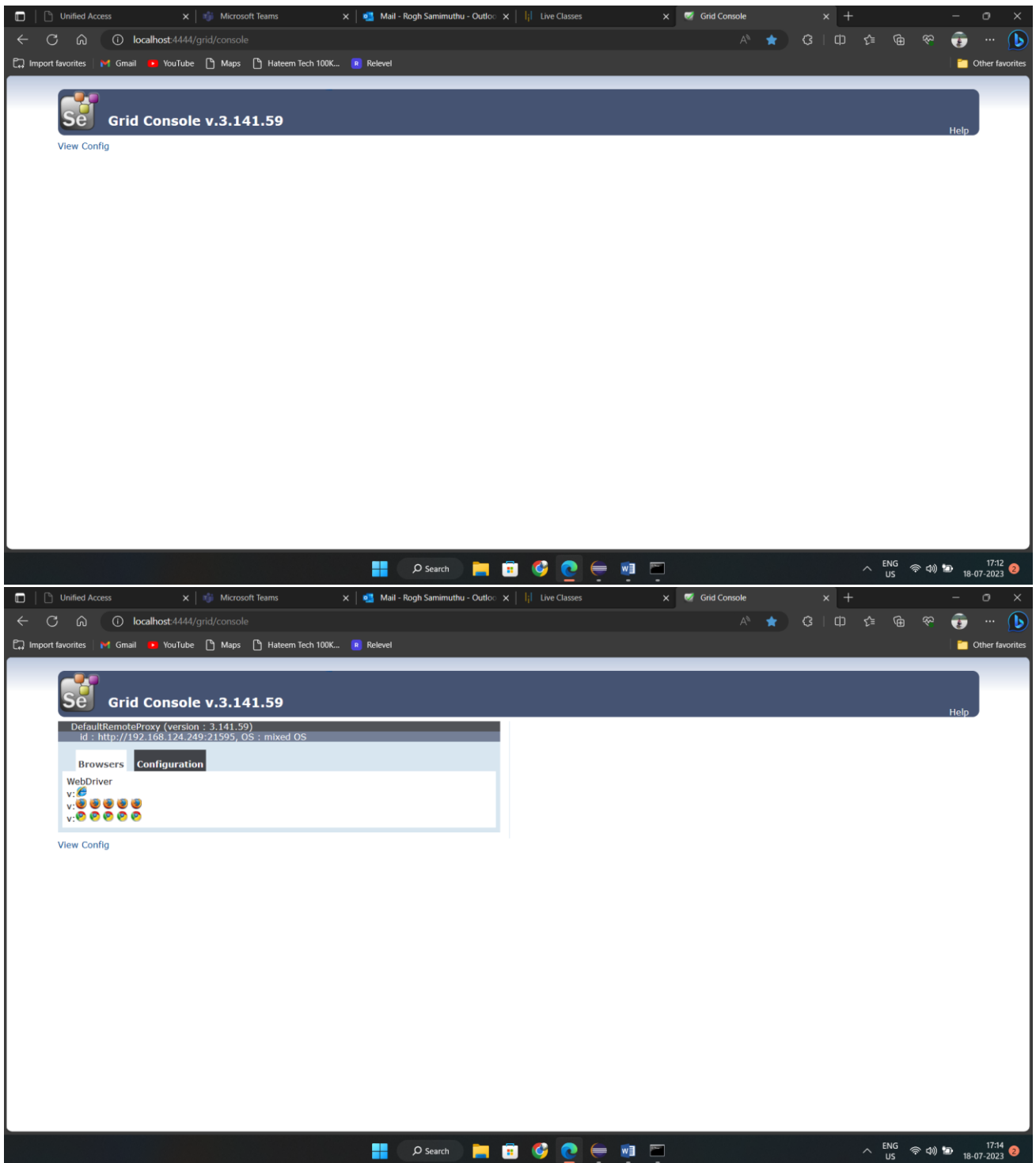
C:\Users\roghie>

E:\>java -jar selenium-server-standalone-3.141.59.jar -role hub
16:54:30.911 INFO [GridLauncherV3.parse] - Selenium server version: 3.141.59, revision: e82be7d358
16:54:31.098 INFO [GridLauncherV3.lambda$buildLaunchers$55] - Launching Selenium Grid hub on port 4444
2023-07-18 16:54:31.844:INFO:main: Logging initialized @2973ms to org.seleniumhq.jetty9.util.log.StdErrLog
16:54:34.421 INFO [Hub.start] - Selenium Grid hub is up and running
16:54:34.421 INFO [Hub.start] - Nodes should register to http://192.168.124.249:4444/grid/register/
16:54:34.421 INFO [Hub.start] - Clients should connect to http://192.168.124.249:4444/wd/hub

Command Prompt - java -Dwebdriver.chrome.driver=E:\chromedriver_win32\chromedriver.exe -jar selenium-server-standalone-3.141.59.jar -role node -hub http://localhost:4444/grid/register
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E:\>java -Dwebdriver.chrome.driver=E:\chromedriver_win32\chromedriver.exe -jar selenium-server-standalone-3.141.59.jar -role node -hub http://localhost:4444/grid/register
16:58:25.836 INFO [GridLauncherV3.parse] - Selenium server version: 3.141.59, revision: e82be7d358
16:58:26.023 INFO [GridLauncherV3.lambda$buildLaunchers$57] - Launching a Selenium Grid node on port 38060
2023-07-18 16:58:26.179:INFO:main: Logging initialized @515ms to org.seleniumhq.jetty9.util.log.StdErrLog
16:58:26.554 INFO [WebDriverServlet.<init>] - Initialising WebDriverServlet
16:58:26.695 INFO [SeleniumServer.boot] - Selenium Server is up and running on port 38060
16:58:26.695 INFO [GridLauncherV3.lambda$buildLaunchers$57] - Selenium Grid node is up and ready to register to the hub
16:58:26.838 INFO [SelfRegisteringRemote.$1.run] - Starting auto registration thread. Will try to register every 5000 ms.
16:58:27.750 INFO [SelfRegisteringRemote.registerToHub] - Registering the node to the hub: http://localhost:4444/grid/register
16:58:27.781 INFO [SelfRegisteringRemote.registerToHub] - The node is registered to the hub and ready to use
```



Unified Access x Microsoft Teams x Mail - Rogh Samimuthu - Outlo... x Live Classes x Grid Console

localhost:4444/grid/console

Grid Console v.3.141.59

DefaultRemoteProxy (version : 3.141.59)
id : http://192.168.124.249:21595, OS : mixed OS

Browsers Configuration

browserTimeout: 0
debug: false
host: 192.168.124.249
port: 21595
role: node
timeout: 1800
cleanUpCycle: 5000
maxSession: 5
capabilities: Capabilities {browserName: firefox, marionette: true, maxInstances: 5, platform: WIN10, platformName: WIN10, seleniumProtocol: WebDriver, server:CONFIG_UUID: 9740fc10-6cfc-4dd3-ad2c-8d5...}
capabilities: Capabilities {browserName: chrome, maxInstances: 5, platform: WIN10, platformName: WIN10, seleniumProtocol: WebDriver, server:CONFIG_UUID: cfd0f35-687b-4524-a1b2-89b...}
capabilities: Capabilities {browserName: internet explorer, maxInstances: 1, platform: WINDOWS, platformName: WINDOWS, seleniumProtocol: WebDriver, server:CONFIG_UUID: eb3482a6-77f8-43ac-a4c1-db1...}
downPollingLimit: 2
hub: http://localhost:4444/grid/register
id: http://192.168.124.249:21595
nodePolling: 5000
nodeStatusCheckTimeout: 5000
proxy: org.openqa.grid.selenium.proxy.DefaultRemoteProxy
register: true
registerCycle: 5000
remoteHost: http://192.168.124.249:21595
unregisterIfStillDownAfter: 60000

View Config

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16:58:27.781 INFO [DefaultGridRegistry.add] - Registered a node http://192.168.124.249:38060
16:58:54.597 INFO [RequestHandler.process] - Got a request to create a new session: Capabilities {browserName: chrome, platformName: windows}
16:58:54.600 INFO [TestSlot.getNewSession] - Trying to create a new session on test slot {server:CONFIG_UUID=e6ee0fad-f3ab-4cef-b8e3-4211c96989b4, seleniumProtocol=WebDriver, browserName=chrome, maxInstances=5, platformName=WIN10, platform=WIN10}

```
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16:58:54.692 INFO [ActiveSessionFactory.apply] - Capabilities are: {
  "browserName": "chrome",
  "platformName": "windows"
}
16:58:54.693 INFO [ActiveSessionFactory.lambda$apply$11] - Matched factory org.openqa.selenium.grid.session.remote.ServicedSession$Factory (provider: org.openqa.selenium.chrome.ChromeDriverService)
Starting ChromeDriver 114.0.5735.16 (7e1ff058633f5b79b1cd7479aca585ba385519d8-refs/branch-heads/5735@{#182}) on port 29209
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
16:59:10.695 INFO [ProtocolHandshake.createSession] - Detected dialect: W3C
16:59:10.882 INFO [RemoteSession$Factory.lambda$performHandshake$0] - Started new session eb1da9ece2bee9a65d204c1c427bd49f (org.openqa.selenium.chrome.ChromeDriverService)
16:59:14.904 INFO [ActiveSessions$1.onStop] - Removing session eb1da9ece2bee9a65d204c1c427bd49f (org.openqa.selenium.chrome.ChromeDriverService)
```