ASSISTED PRACTICE PROJECT

Set Up Selenium Grid

Step 1: Setting up Selenium Grid hub

- a. Download Selenium standalone Server jar file.
- b. Go to command prompt
- c. Navigate to folder structure where you have saved the Selenium standalone Server jar file
- d. Type the below command in command prompt

Java -jar selenium-server-standalone-3.5.1.jar -role hub and click on Enter button

```
C:\Users\admin\Downloads>Java -jar selenium-server-standalone-3.5.1.jar -role hub
12:09:35.372 INFO - Selenium build info: version: '3.5.1', revision: '9c21bb67ef'
12:09:35.373 INFO - Launching Selenium Grid hub
20:22-10-01 12:09:36.743:INFO::main: Logging initialized @61972ms to org.seleniumhq.jetty9.util.log.StdErrLog
12:09:36.764 INFO - Will listen on 4444
20:22-10-01 12:09:36.833:INFO:osjs.Server:main: jetty-9.4.5.v20170502
20:22-10-01 12:09:36.879:INFO:osjs.session:main: DefaultSessionIdManager workerName=node0
20:22-10-01 12:09:36.879:INFO:osjs.session:main: No SessionScavenger set, using defaults
20:22-10-01 12:09:36.891:INFO:osjs.session:main: Scavenging every 600000ms
20:22-10-01 12:09:36.903:INFO:osjs.AbstractConnector:main: Started o.s.j.s.ServletContextHandler@3cce5371{/,null,AVAILABLE}}
20:22-10-01 12:09:36.991:INFO:osjs.AbstractConnector:main: Started ServerConnector@465232e9{HTTP/1.1,[http/1.1]}{0.0.0.0:4444}
20:22-10-01 12:09:36.992:INFO:osjs.Server:main: Started @62222ms
12:09:36.994 INFO - Nodes should register to http://192.168.1.34:4444/grid/register/
12:09:36.995 INFO - Selenium Grid hub is up and running
```

- e. Open the Chrome browser
- f. Enter URL as http://localhost:4444/grid/console and click on Enter
- g. Grid console page is loaded as below



Step 2: Setting up the Selenium Grid Nodes

- a. Once the Selenium Grid Hub is set up, the next step is to set up Selenium Grid nodes.
- b. Open the new command prompt
- c. Navigate to the folder structure where you have saved the Selenium standalone server jar file
- d. Type the below command in command prompt

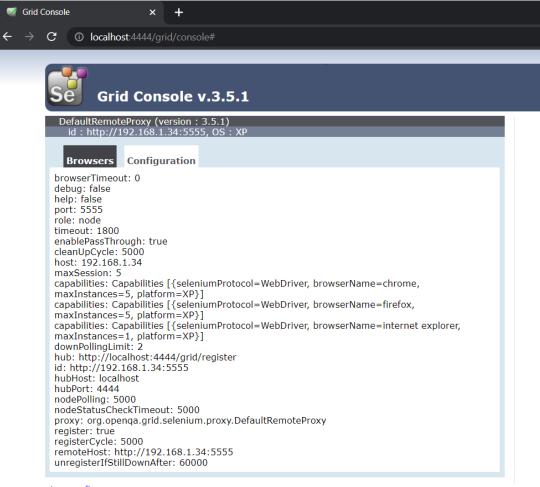
java -jar selenium-server-standalone-3.5.1.jar -role node -hub http://localhost:4444/grid/register and click on Enter button, which looks like

```
C:\Users\admin\Downloads>java -jar selenium-server-standalone-3.5.1.jar -role node -hub http://localhost:4444/grid/register
12:13:15.269 INFO - Selenium build info: version: '3.5.1', revision: '9c2lbb67ef'
12:13:15.271 INFO - Launching a Selenium Grid node
2022-10-01 12:13:16.741:INFO::main: logging initialized @1809ms to org.seleniumhq.jetty9.util.log.StdErrlog
12:13:16.822 INFO - Driver class not found: com.opera.core.systems.OperaDriver
12:13:16.850 INFO - Driver provider class org.openqa.selenium.safari.SafariDriver registration is skipped:
registration capabilities (apabilities [Aposto NoverNamessafari, version=, platform=MAC] does not match the current platform XP
12:13:16.891 INFO - Using the passthrough mode handler
2022-10-01 12:13:16.924:INFO:osjs.Server:main: jetty-9.4.5.v20170502
2022-10-01 12:13:16.954:MARN:osjs.SecurityHandler:main: ServletContext@0.s.j.s.ServletContextHandler@7776ab{/,null,STARTING} has uncovered http methods for path: /
2022-10-01 12:13:16.996:INFO:osjs.Server:main: started o.s.j.s.ServletContextHandler@7776ab{/,null,AVAILABLE}
2022-10-01 12:13:17.099:INFO:osjs.AbstractConnector:main: started ServerConnector@18031cbf[HTTP/1.1,[http/1.1]]{0.0.0.0:5555}
2022-10-01 12:13:17.099:INFO:osjs.Server:main: Started @2078ms
12:13:17.031 INFO - Selenium Grid node is up and ready to register to the hub
12:13:17.032 INFO - Starting auto registration thread. Will try to register every 5000 ms.
12:13:17.033 INFO - Registering the node to the hub: http://localhost:4444/grid/register
2022-10-01 12:13:13.3.140:INFO:osjshC.ROOT:qtp1371376476-15: org.openqa.selenium.remote.server.WebDriverServlet-6ccdb29f: Initialising WebDriverServlet
12:13:23.173 INFO - /status: Executing GET on /status (handler: Status)
```

- e. Open the browser
- f. Enter URL as http://localhost:4444/grid/console and click on Enter
- g. Grid console page is loaded below, which shows Browsers by default



Click on Configuration, which shows Configuration details



view config