

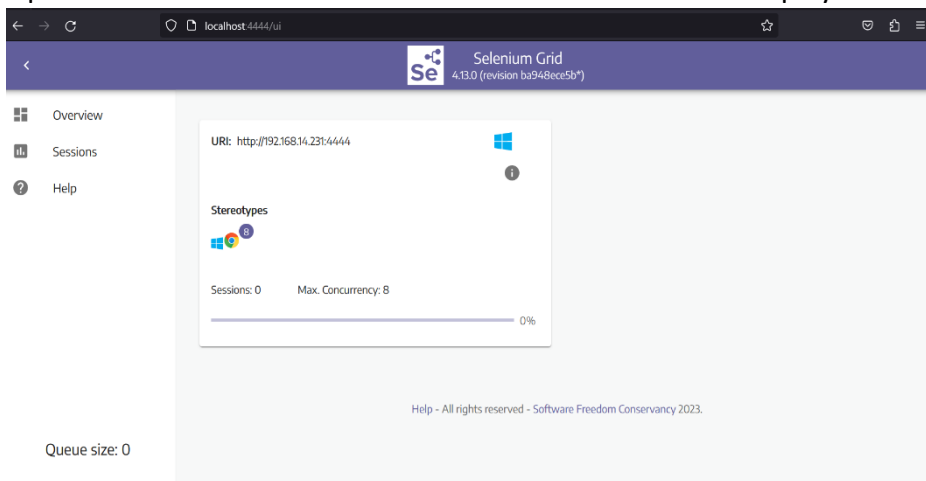
# Phase2-Practice Project: Assisted Practice

## 1.Grid Configuration Using JSON

- Download Standalone server from:

<https://github.com/seleniumHQ/selenium/releases>

- create a folder, place the standalone file jar in it
- open command prompt
- Enter this query  
java -jar selenium-server-4.13.0.jar standalone
- Open Browser and enter localhost:4444 --- Selenium Grid display



- Type this code in eclipse  
package seleniumScripts;

```
import java.net.MalformedURLException;  
import java.net.URL;
```

```
import org.openqa.selenium.Platform;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.chrome.ChromeOptions;  
import org.openqa.selenium.remote.DesiredCapabilities;  
import org.openqa.selenium.remote.RemoteWebDriver;
```

```
public class GridDemo {  
    static WebDriver driver;  
    public static void main(String[] args) throws MalformedURLException {  
        ChromeOptions cap = new ChromeOptions();  
        driver = new RemoteWebDriver(new URL("http://localhost:4444/wd/hub"),cap);  
        driver.get("https://www.selenium.dev/downloads/");  
    }  
}
```

→Set up GRID as a Node and Hub

- Open another cmd prompt in the same directory as that of grid demo, execute below command  
java -jar selenium-server-4.13.0.jar hub
- Open another cmd prompt in the same directory as that of grid demo  
java -jar selenium-server-4.13.0.jar node

OR

```
java -jar selenium-server-4.13.0.jar node --port 7777
```

- Execute the script. it will work

→TOML config:

- Create the hubconfig.toml file  
Add below data:

```
[server]
port = 4449
[sessionqueue]
session-request-timeout = 500
```

- Save the file as a .toml file
- Open command prompt ,go to the directory where grid server jar file is:  
java -jar selenium-server-4.13.0.jar hub --config C:\mygriddemo\hubconfig.toml

- Create a nodeconfig.toml file:  
Add below data:

```
[node]
drivers = ["chrome", "firefox"]
max-sessions = 3
```

- Open command prompt ,go to the directory where grid server jar file is:  
java -jar selenium-server-4.13.0.jar node --config C:\mygriddemo\node.toml