

Running Tests on Selenium Grid on Multiple Browsers

```
package gridDemo;
import java.net.MalformedURLException;
import java.net.URL;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.remote.RemoteWebDriver;
import org.testng.annotations.Test;
public class GridDemoStandalone {

    public static WebDriver driver;

    @Test
    public void griddemo() throws
MalformedURLException
    {

        //execute code in chrome browser -- use
ChromeOptions class

        // to pass the control for exeuction of code
via the grid
        // class -> RemoteWebDriver

        ChromeOptions cap = new ChromeOptions();
        driver = new RemoteWebDriver(new
URL("http://localhost:4444/wd/hub"),cap);

        driver.get("https://www.selenium.dev/downloads/")
;
        System.out.println(driver.getTitle());

    }

}
```

Execute below command

```
C:\Windows\System32\cmd.e  ×  +  ∨  
Microsoft Windows [Version 10.0.22621.3007]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\griddemo>java -jar selenium-server-4.16.1.jar hub|
```

```
12:13:46.595 INFO [UnboundZmqEventBus.<init>] - Connecting to tcp://192.168.1.7:4442 and tcp://192.168.1.7:4443  
12:13:46.657 INFO [UnboundZmqEventBus.<init>] - Sockets created  
12:13:47.677 INFO [UnboundZmqEventBus.<init>] - Event bus ready  
12:13:50.665 INFO [Hub.execute] - Started Selenium Hub 4.16.1 (revision 9b4c83354e): http://192.168.1.7:4444
```