Docker or **Selenium Grid** (component of Selenium)

→ for //all Execution across various OS ← MAG
  ← Linux
  wnds 10
  7
  8

→ follows (Hub-Node) Archi.
  ↓   ↓
  Server - Client

→ Selenium Standalone Server } → (Cmds)

(2) cmds
LAN
(cmd Server) (M/c)
HUB (Server) → portNo 4444 (Busy)

→ Hub
→ Node
Node5 5339
(M/c)
C5

5558
Node4
(M/c)
Linux
Chrome

(Server)
Start

5555
1) Browser 5556 (Server)
5557 (Server)
Node3
(M/c)
C4
We

Node1
↓
Node2
C3
Wndo10
Chrome
↓
Edge

(Sel.
Standalone
Server)

(M/c)
(Client)
5Chrome
5 FF
↓IE
(Linux)
FF

(M/c)
(Client 2)
MAC
Safari

2 Ways →   1 M/c Hub ←———————— M/c 2 Node ✓

1 M/c Hub
↓

[Sel. Standlone Server'
  Run —— Scripts)project
  Hus   Start   cmd]

→ Std alone server
→ Browser
→ Browser driver

II Way :.   1 M/C { Hub
                      { Node1
                      { Node2

{ Server
  Code
  Browser
  Browser Driver }

Hub

1. Download Standalone Srever fom Selenium Website
2. Place that .jsr file in any folder
3. From that location (where server.jar file is placed), open cmd.

4. Create a HUb (Server)

   [java -jar selenium-server-standalone-3.141.59.jar -role hub]

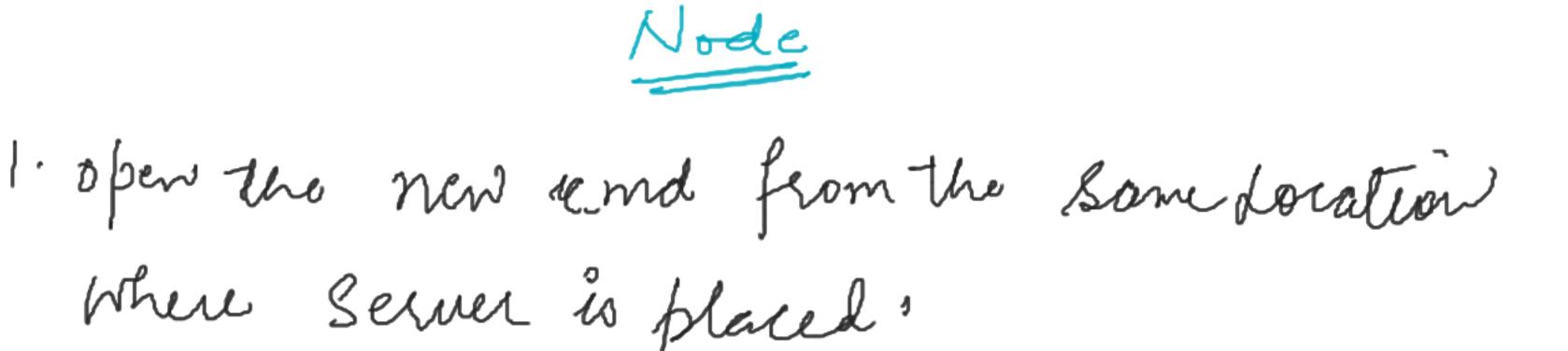   Selenium Hub is up and Running - Message

   { java -jar selenium-server-standalone-3.141.59.jar -role hub -port 5555 }

   only if port 4444 is busy

5. Open the Browser and enter url:
      http://localhost:<port-no>/grid/console

For Eg:
http://localhost:4444/grid/console

Node

1. open the new cmd from the same location where server is placed.

java -jar selenium-server-standalone-3.141.59.jar -role webdriver -hub http://localhost:4444/grid/register -port 5556

2. Regresh the page : http://localhost:4444/grid/console on Browser