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# Create an Instance on AWS EC2?

- ▶ Sign in to
- ▶ <https://aws.amazon.com/console/>
- ▶ Select
- ▶ Services
- ▶ EC2
- ▶ Launch Instance

# Create an Instance on AWS EC2?

- ▶ Select Amazon Linux machine
- ▶ **Ubuntu Server 20.04 LTS (HVM), SSD Volume Type**
- ▶ Next: Configure Instance Details
- ▶ Next: Add Storage
- ▶ Next: Add tags

# Create an Instance on AWS EC2?

- ▶ Next: Configure your security group
- ▶ Add rule
- ▶ Port Range 8080
- ▶ Source anywhere
- ▶ Launch

# Create an Instance on AWS EC2?

- ▶ Create a new key pair
- ▶ Name key pair
- ▶ Download key pair

# Open EC2 Console on your Terminal / CMD

- ▶ Navigate to key pair location on Terminal / Command Prompt
- ▶ If you are using Mac: (chmod 400 fileName.pem)
- ▶ `ssh -i Jenkins-Selenium.pem ec2-user@18.117.83.178`
- ▶ yes

# 1. Update and get ready all tools and packages on Ubuntu Server

- ▶ `sudo apt-get update`
- ▶ `sudo apt-get upgrade`



# 1. Install latest Chrome Binary on Ubuntu Server

- ▶ `sudo apt-get install -y libappindicator1 fonts-liberation`
- ▶ `wget https://dl.google.com/linux/direct/google-chrome-stable_current_amd64.deb`
- ▶ `sudo dpkg -i google-chrome*.deb`
- ▶ `sudo apt-get install -f`
- ▶ `sudo cat /var/lib/jenkins/secrets/initialAdminPassword`

## 2. Install latest Chrome Driver on Ubuntu Server

- ▶ `sudo apt install unzip`
- ▶ `wget`  
`https://chromedriver.storage.googleapis.com/98.0.4758.102/chromedriver\_linux64.zip`
- ▶ `unzip chromedriver_linux64.zip`
- ▶ `sudo mv chromedriver /usr/bin/chromedriver`

# Main tool installations

- ▶ `sudo apt-get install default-jdk`
- ▶ `sudo apt install maven`
- ▶ `sudo apt install git`

# Jenkins installation

- ▶ `wget -q -O - https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo apt-key add -`
- ▶ `sudo sh -c 'echo deb https://pkg.jenkins.io/debian-stable binary/ > \`
- ▶ `/etc/apt/sources.list.d/jenkins.list'`
- ▶ `sudo apt-get update`
- ▶ `sudo apt-get install jenkins`

# Necessary Paths for Jenkins Config

- ▶ `/usr/lib/git-core/git`
- ▶ `/usr/share/maven`
- ▶ `/usr/lib/jvm/java-11-openjdk-amd64`