*Jenkins Installation on EC2-ubuntu:* http://localhost:8080/

* Launch ec2-instance as per your requirements then search on google Jenkins Installation.
* https://www.jenkins.io/doc/book/installing/linux/
* **Long term Support (**Recommended**)**
* ***Weekly Release (****produced weekly to deliver bug fixes and feature****)***

sudo apt update

sudo apt install fontconfig openjdk-21-jre

java -version

* openjdk version "21.0.3" 2024-04-16
* OpenJDK Runtime Environment **(**build 21.0.3+11-Debian-2**)**
* OpenJDK 64-Bit Server VM **(**build 21.0.3+11-Debian-2, mixed mode, sharing**)**

***Installing Jenkins:-***

sudo wget -O /etc/apt/keyrings/jenkins-keyring.asc \

https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key

echo "deb [signed-by=/etc/apt/keyrings/jenkins-keyring.asc]" \

https://pkg.jenkins.io/debian-stable binary/ | sudo tee \

/etc/apt/sources.list.d/jenkins.list **>** /dev/null

sudo apt-get update

sudo apt-get install jenkins

systemctl status jenkins

then Copy IP:8080 of ec2 server paste on browser.

* sudo vim /path/provided-by-jenkins [copy that password]

Demo: Freestyle project.

**Build:** - the process of creating executable artifacts from source code, like compiling code or packaging software into a distribution format.

sudo ssh-keyscan -H 65.0.27.181| sudo tee -a /var/lib/jenkins/.ssh/known\_hosts > /dev/null

sudo chmod 700 /var/lib/jenkins/.ssh

sudo chown jenkins:jenkins /var/lib/jenkins/.ssh/known\_hosts

sudo chmod 600 /var/lib/jenkins/.ssh/known\_hosts

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ssh-keyscan -p 65.0.27.181>> /var/lib/jenkins/.ssh/known\_hosts

sudo chown jenkins:jenkins /var/lib/jenkins/.ssh/known\_hosts

sudo chmod 700 /var/lib/jenkins/.ssh

sudo chmod 644 /var/lib/jenkins/.ssh/known\_hosts