INSTALL DOCKER UBUNT

INSTALL : Ubuntu

Unix username:saikumar302

Password:sai

Install docker on ubuntu -------

Run commands:

**Step 1: Verify Docker Installation**

1. **Check if Docker is installed:**

sh

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docker --version

If Docker is installed, this command will return the Docker version. If not, it will indicate that the command is not found.

1. **Install Docker:** If Docker is not installed, follow these steps to install it on Ubuntu:

sh

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sudo apt update

sudo apt install apt-transport-https ca-certificates curl software-properties-common

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg

echo "deb [arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker.com/linux/ubuntu $(lsb\_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

sudo apt update

sudo apt install docker-ce

1. **Start Docker Service:**

sh

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sudo systemctl start docker

sudo systemctl enable docker

**Step 2: Verify Docker Installation in Jenkins**

If Docker is installed but Jenkins cannot find it, make sure Jenkins has the correct environment and permissions:

1. **Check Jenkins User:** Ensure the Jenkins user is added to the docker group:

sh

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sudo usermod -aG docker jenkins

1. **Restart Jenkins:**

sh

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sudo systemctl restart jenkins

1. **Check Jenkins Path:** Ensure the Docker executable is in the Jenkins PATH:
   * Open the Jenkins web interface.
   * Go to **Manage Jenkins** > **Configure System**.
   * Add the Docker installation path (usually /usr/bin/docker) to the PATH environment variable if necessary.

**Step 3: Correct the Docker Run Command**

Ensure the Docker run command is correct. Your command has an extra -d:

sh

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docker run -d -p 80:80 httpd:2.4-alpine

**Example Jenkins Pipeline Script**

Here's an example of a Jenkins pipeline script that runs a Docker container:

groovy

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pipeline {

agent any

stages {

stage('Run Docker Container') {

steps {

script {

sh 'docker run -d -p 80:80 httpd:2.4-alpine'

}

}

}

}

}