**yum update –y**

**wget -O /etc/yum.repos.d/jenkins.repo \**

**https://pkg.jenkins.io/redhat-stable/jenkins.repo**

**rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key**

**yum upgrade**

**dnf install java-17-amazon-corretto -y**

**yum install jenkins -y**

**systemctl enable jenkins**

**systemctl start jenkins**

FROM amazonlinux

RUN yum install java-17-amazon-corretto –y

RUN yum install wget zip gzip tar –y

WORKDIR /opt/

RUN wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo && \ rpm --import <https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key>

RUN yum update –y

RUN yum install -y Jenkins

EXPOSE 8080

RUN systemctl start Jenkins

Main file

{

FROM amazonlinux

RUN dnf install java-17-amazon-corretto -y

RUN yum install -y rpm wget zip gzip tar

WORKDIR /opt/

# Add Jenkins repository and key

RUN wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo && \

rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key

RUN yum update -y

RUN yum install -y jenkins

# Download the Jenkins WAR file if not already present

RUN wget -O /usr/share/jenkins/jenkins.war https://get.jenkins.io/war/latest/jenkins.war

EXPOSE 8080

# Set the entry point to run Jenkins directly

ENTRYPOINT ["java", "-jar", "/usr/share/jenkins/jenkins.war"]

}

docker build -t --name jenkins -p 8080:8080 jenkinsimg:latest

docker run -it --name jenkins1 -p 8080:8080 jenkinsimg