Simple Dev-Ops Project(Integrating Git-Github-Jenkins-Maven-Docker-Tomcat-Email)   
  
Requirements

Source code management

\*Git

\*Git-hub

Pipeline

\*Jenkins

Code Package

\*Maven

Image Creation

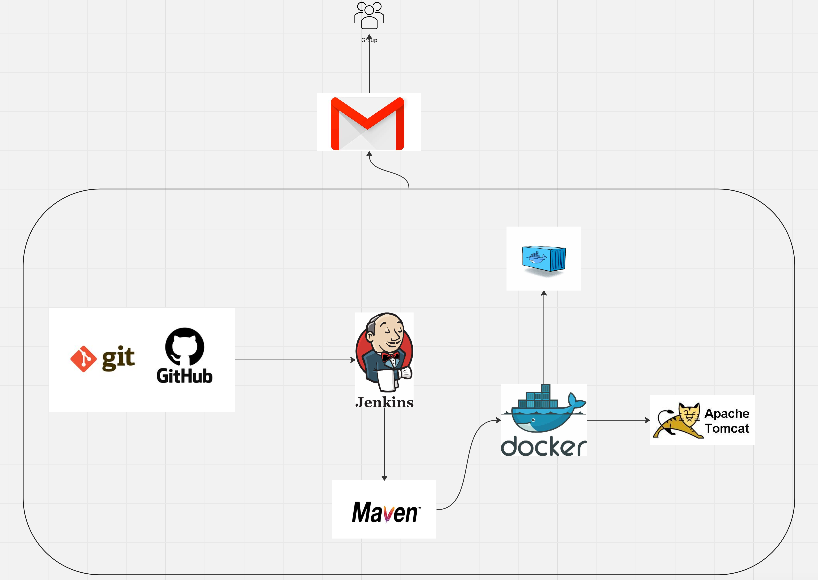
\*Docker

Application Host

\*Tom Cat

Alerts/Notification

\*Gmail

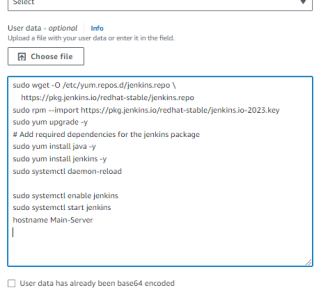


Procedure

1.Create 2 EC2 instances since we might get errors due to same port number

\*Create first EC2 instance and start Jenkins (using Amazon Linux)

Use below scrpit to launch Jenkins

  
  
#!/bin/bash

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

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

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

sudo yum upgrade -y

# Add required dependencies for the jenkins package

sudo yum install java -y

sudo yum install jenkins -y

sudo systemctl daemon-reload

sudo systemctl enable jenkins

sudo systemctl start jenkins

hostname Main-Server  
(use security group where required ports are enabled)  
  
**Launch Instance**

\*Launch another EC2 instance for Docker

#!/bin/bash

sudo yum install docker -y

sudo yum install git -y

sudo systemctl enable docker

sudo systemctl start docker

hostname Docker-Server

(use security group where required ports are enabled)

**Launch Instance**

Launch Jenkins Instance on terminal  
Change ec2 user as root  
Launch Jenkins with public IP and port number(8080)  
find the password by using cat <path>  
no need to install any plug-in

admin@desktop MINGW64 ~

$ cd downloads

admin@desktop MINGW64 ~/downloads

$ ssh -i "keyfordev.pem" ec2-user@ec2-34-227-103-36.compute-1.amazonaws.com

The authenticity of host 'ec2-34-227-103-36.compute-1.amazonaws.com (34.227.103.36)' can't be established.

ED25519 key fingerprint is SHA256:7JoqPI9scYbrXuUfAlDXt/iSAB/Lo/9NSkzMxmPdVL0.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added 'ec2-34-227-103-36.compute-1.amazonaws.com' (ED25519) to the list of known hosts.

, #\_

~\\_ ####\_ Amazon Linux 2

~~ \\_#####\

~~ \###| AL2 End of Life is 2025-06-30.

~~ \#/ \_\_\_

~~ V~' '->

~~~ / A newer version of Amazon Linux is available!

~~.\_. \_/

\_/ \_/ Amazon Linux 2023, GA and supported until 2028-03-15.

\_/m/' https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@Main-Server ~]$ sudo su - root

Last login: Fri Feb 9 14:31:59 UTC 2024 from ec2-18-206-107-29.compute-1.amazonaws.com on pts/0

[root@Main-Server ~]# cat /var/lib/jenkins/secrets/initialAdminPassword

635b29277dcc4f3aad72bef24c896fba

[root@Main-Server ~]# sudo yum install git -y

[root@Main-Server ~]#

[root@Main-Server ~]# cd /opt/

[root@Main-Server opt]# ls

aws rh

[root@Main-Server opt]# wget https://dlcdn.apache.org/maven/maven-3/3.9.6/binaries/apache-maven-3.9.6-bin.tar.gz

[root@Main-Server opt]# ls

apache-maven-3.9.6-bin.tar.gz aws rh

[root@Main-Server opt]# tar -xvf apache-maven-3.9.6-bin.tar.gz

***installing Maven  
.***

***.***

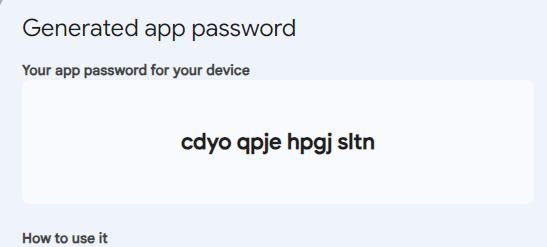
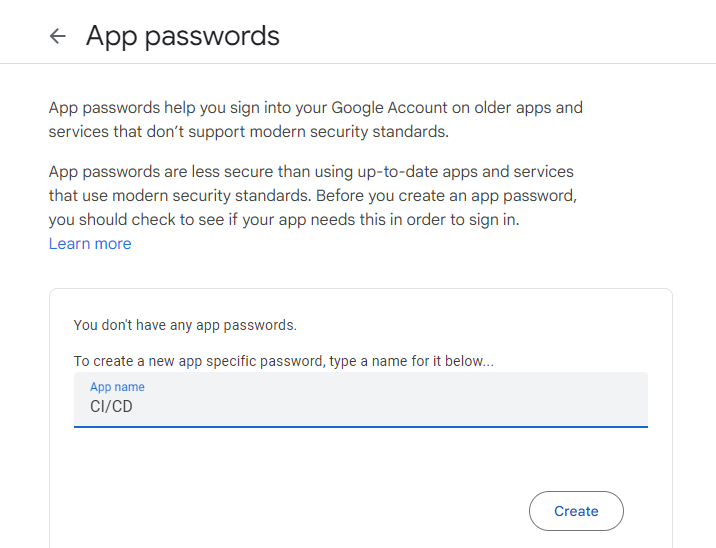
***.***

***.***

***.***

***.***

***.***

**Open gmail and enable 2 step Verification**Go to App Passwords  
To create a new app specific password, type a name for it ****

cdyo qpje hpgj sltn

apache-maven-3.9.6 apache-maven-3.9.6-bin.tar.gz aws rh

[root@Main-Server opt]# mv apache-maven-3.9.6 maven

[root@Main-Server opt]# mvn -v

-bash: mvn: command not found

admin@desktop MINGW64 ~

$ cd downloads

admin@desktop MINGW64 ~/downloads

$ ssh -i "keyfordev.pem" ec2-user@ec2-34-227-103-36.compute-1.amazonaws.com

The authenticity of host 'ec2-34-227-103-36.compute-1.amazonaws.com (34.227.103.36)' can't be established.

ED25519 key fingerprint is SHA256:7JoqPI9scYbrXuUfAlDXt/iSAB/Lo/9NSkzMxmPdVL0.

This key is not known by any other names.

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~~ V~' '->

~~~ / A newer version of Amazon Linux is available!

~~.\_. \_/

\_/ \_/ Amazon Linux 2023, GA and supported until 2028-03-15.

\_/m/' https://aws.amazon.com/linux/amazon-linux-2023/

[ec2-user@Main-Server ~]$ sudo su - root

Last login: Fri Feb 9 14:31:59 UTC 2024 from ec2-18-206-107-29.compute-1.amazonaws.com on pts/0

[root@Main-Server ~]# cat /var/lib/jenkins/secrets/initialAdminPassword

635b29277dcc4f3aad72bef24c896fba

[root@Main-Server ~]# ^C

[root@Main-Server ~]# ^C

[root@Main-Server ~]#

[root@Main-Server ~]# sudo yum install git -y

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

amzn2-core | 3.6 kB 00:00

Resolving Dependencies

--> Running transaction check

---> Package git.x86\_64 0:2.40.1-1.amzn2.0.1 will be installed

--> Processing Dependency: git-core = 2.40.1-1.amzn2.0.1 for package: git-2.40.1-1.amzn2.0.1.x86\_64

--> Processing Dependency: git-core-doc = 2.40.1-1.amzn2.0.1 for package: git-2.40.1-1.amzn2.0.1.x86\_64

--> Processing Dependency: perl-Git = 2.40.1-1.amzn2.0.1 for package: git-2.40.1-1.amzn2.0.1.x86\_64

--> Processing Dependency: perl(Git) for package: git-2.40.1-1.amzn2.0.1.x86\_64

--> Processing Dependency: perl(Term::ReadKey) for package: git-2.40.1-1.amzn2.0.1.x86\_64

--> Running transaction check

---> Package git-core.x86\_64 0:2.40.1-1.amzn2.0.1 will be installed

---> Package git-core-doc.noarch 0:2.40.1-1.amzn2.0.1 will be installed

---> Package perl-Git.noarch 0:2.40.1-1.amzn2.0.1 will be installed

--> Processing Dependency: perl(Error) for package: perl-Git-2.40.1-1.amzn2.0.1.noarch

---> Package perl-TermReadKey.x86\_64 0:2.30-20.amzn2.0.2 will be installed

--> Running transaction check

---> Package perl-Error.noarch 1:0.17020-2.amzn2 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

================================================================================

Package Arch Version Repository Size

================================================================================

Installing:

git x86\_64 2.40.1-1.amzn2.0.1 amzn2-core 54 k

Installing for dependencies:

git-core x86\_64 2.40.1-1.amzn2.0.1 amzn2-core 10 M

git-core-doc noarch 2.40.1-1.amzn2.0.1 amzn2-core 3.0 M

perl-Error noarch 1:0.17020-2.amzn2 amzn2-core 32 k

perl-Git noarch 2.40.1-1.amzn2.0.1 amzn2-core 41 k

perl-TermReadKey x86\_64 2.30-20.amzn2.0.2 amzn2-core 31 k

Transaction Summary

================================================================================

Install 1 Package (+5 Dependent packages)

Total download size: 13 M

Installed size: 44 M

Downloading packages:

(1/6): git-2.40.1-1.amzn2.0.1.x86\_64.rpm | 54 kB 00:00

(2/6): git-core-doc-2.40.1-1.amzn2.0.1.noarch.rpm | 3.0 MB 00:00

(3/6): perl-Error-0.17020-2.amzn2.noarch.rpm | 32 kB 00:00

(4/6): git-core-2.40.1-1.amzn2.0.1.x86\_64.rpm | 10 MB 00:00

(5/6): perl-Git-2.40.1-1.amzn2.0.1.noarch.rpm | 41 kB 00:00

(6/6): perl-TermReadKey-2.30-20.amzn2.0.2.x86\_64.rpm | 31 kB 00:00

--------------------------------------------------------------------------------

Total 41 MB/s | 13 MB 00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : git-core-2.40.1-1.amzn2.0.1.x86\_64 1/6

Installing : git-core-doc-2.40.1-1.amzn2.0.1.noarch 2/6

Installing : 1:perl-Error-0.17020-2.amzn2.noarch 3/6

Installing : perl-TermReadKey-2.30-20.amzn2.0.2.x86\_64 4/6

Installing : perl-Git-2.40.1-1.amzn2.0.1.noarch 5/6

Installing : git-2.40.1-1.amzn2.0.1.x86\_64 6/6

Verifying : perl-TermReadKey-2.30-20.amzn2.0.2.x86\_64 1/6

Verifying : git-core-2.40.1-1.amzn2.0.1.x86\_64 2/6

Verifying : git-core-doc-2.40.1-1.amzn2.0.1.noarch 3/6

Verifying : perl-Git-2.40.1-1.amzn2.0.1.noarch 4/6

Verifying : 1:perl-Error-0.17020-2.amzn2.noarch 5/6

Verifying : git-2.40.1-1.amzn2.0.1.x86\_64 6/6

Installed:

git.x86\_64 0:2.40.1-1.amzn2.0.1

Dependency Installed:

git-core.x86\_64 0:2.40.1-1.amzn2.0.1

git-core-doc.noarch 0:2.40.1-1.amzn2.0.1

perl-Error.noarch 1:0.17020-2.amzn2

perl-Git.noarch 0:2.40.1-1.amzn2.0.1

perl-TermReadKey.x86\_64 0:2.30-20.amzn2.0.2

Complete!

[root@Main-Server ~]# git status

fatal: not a git repository (or any of the parent directories): .git

[root@Main-Server ~]# sudo git status

fatal: not a git repository (or any of the parent directories): .git

[root@Main-Server ~]# git

usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]

[--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]

[-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]

[--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]

[--config-env=<name>=<envvar>] <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)

clone Clone a repository into a new directory

init Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)

add Add file contents to the index

mv Move or rename a file, a directory, or a symlink

restore Restore working tree files

rm Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)

bisect Use binary search to find the commit that introduced a bug

diff Show changes between commits, commit and working tree, etc

grep Print lines matching a pattern

log Show commit logs

show Show various types of objects

status Show the working tree status

grow, mark and tweak your common history

branch List, create, or delete branches

commit Record changes to the repository

merge Join two or more development histories together

rebase Reapply commits on top of another base tip

reset Reset current HEAD to the specified state

switch Switch branches

tag Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)

fetch Download objects and refs from another repository

pull Fetch from and integrate with another repository or a local branch

push Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some

concept guides. See 'git help <command>' or 'git help <concept>'

to read about a specific subcommand or concept.

See 'git help git' for an overview of the system.

[root@Main-Server ~]#

[root@Main-Server ~]# cd /opt/

[root@Main-Server opt]# ls

aws rh

[root@Main-Server opt]# ^C

[root@Main-Server opt]# wget https://dlcdn.apache.org/maven/maven-3/3.9.6/binaries/apache-maven-3.9.6-bin.tar.gz

--2024-02-09 16:08:40-- https://dlcdn.apache.org/maven/maven-3/3.9.6/binaries/apache-maven-3.9.6-bin.tar.gz

Resolving dlcdn.apache.org (dlcdn.apache.org)... 151.101.2.132, 2a04:4e42::644

Connecting to dlcdn.apache.org (dlcdn.apache.org)|151.101.2.132|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 9410508 (9.0M) [application/x-gzip]

Saving to: ‘apache-maven-3.9.6-bin.tar.gz’

100%[==========================================================================================================================================>] 9,410,508 --.-K/s in 0.06s

2024-02-09 16:08:40 (156 MB/s) - ‘apache-maven-3.9.6-bin.tar.gz’ saved [9410508/9410508]

[root@Main-Server opt]# ^C

[root@Main-Server opt]# ls

apache-maven-3.9.6-bin.tar.gz aws rh

[root@Main-Server opt]# tar -xvf apache-maven-3.9.6-bin.tar.gz

apache-maven-3.9.6/README.txt

apache-maven-3.9.6/LICENSE

apache-maven-3.9.6/NOTICE

apache-maven-3.9.6/lib/

apache-maven-3.9.6/lib/aopalliance.license

apache-maven-3.9.6/lib/commons-cli.license

apache-maven-3.9.6/lib/commons-codec.license

apache-maven-3.9.6/lib/commons-lang3.license

apache-maven-3.9.6/lib/failureaccess.license

apache-maven-3.9.6/lib/guava.license

apache-maven-3.9.6/lib/guice.license

apache-maven-3.9.6/lib/httpclient.license

apache-maven-3.9.6/lib/httpcore.license

apache-maven-3.9.6/lib/jansi.license

apache-maven-3.9.6/lib/javax.annotation-api.license

apache-maven-3.9.6/lib/javax.inject.license

apache-maven-3.9.6/lib/jcl-over-slf4j.license

apache-maven-3.9.6/lib/org.eclipse.sisu.inject.license

apache-maven-3.9.6/lib/org.eclipse.sisu.plexus.license

apache-maven-3.9.6/lib/plexus-cipher.license

apache-maven-3.9.6/lib/plexus-component-annotations.license

apache-maven-3.9.6/lib/plexus-interpolation.license

apache-maven-3.9.6/lib/plexus-sec-dispatcher.license

apache-maven-3.9.6/lib/plexus-utils.license

apache-maven-3.9.6/lib/slf4j-api.license

apache-maven-3.9.6/boot/

apache-maven-3.9.6/boot/plexus-classworlds.license

apache-maven-3.9.6/lib/jansi-native/

apache-maven-3.9.6/lib/jansi-native/Windows/

apache-maven-3.9.6/lib/jansi-native/Windows/x86/

apache-maven-3.9.6/lib/jansi-native/Windows/x86\_64/

apache-maven-3.9.6/lib/jansi-native/Windows/x86/jansi.dll

apache-maven-3.9.6/lib/jansi-native/Windows/x86\_64/jansi.dll

apache-maven-3.9.6/bin/m2.conf

apache-maven-3.9.6/bin/mvn.cmd

apache-maven-3.9.6/bin/mvnDebug.cmd

apache-maven-3.9.6/bin/mvn

apache-maven-3.9.6/bin/mvnDebug

apache-maven-3.9.6/bin/mvnyjp

apache-maven-3.9.6/conf/

apache-maven-3.9.6/conf/logging/

apache-maven-3.9.6/conf/logging/simplelogger.properties

apache-maven-3.9.6/conf/settings.xml

apache-maven-3.9.6/conf/toolchains.xml

apache-maven-3.9.6/lib/ext/

apache-maven-3.9.6/lib/ext/hazelcast/

apache-maven-3.9.6/lib/ext/redisson/

apache-maven-3.9.6/lib/jansi-native/

apache-maven-3.9.6/lib/ext/README.txt

apache-maven-3.9.6/lib/ext/hazelcast/README.txt

apache-maven-3.9.6/lib/ext/redisson/README.txt

apache-maven-3.9.6/lib/jansi-native/README.txt

apache-maven-3.9.6/boot/plexus-classworlds-2.7.0.jar

apache-maven-3.9.6/lib/maven-embedder-3.9.6.jar

apache-maven-3.9.6/lib/maven-settings-3.9.6.jar

apache-maven-3.9.6/lib/maven-settings-builder-3.9.6.jar

apache-maven-3.9.6/lib/maven-plugin-api-3.9.6.jar

apache-maven-3.9.6/lib/maven-model-3.9.6.jar

apache-maven-3.9.6/lib/maven-model-builder-3.9.6.jar

apache-maven-3.9.6/lib/maven-builder-support-3.9.6.jar

apache-maven-3.9.6/lib/maven-resolver-api-1.9.18.jar

apache-maven-3.9.6/lib/maven-resolver-util-1.9.18.jar

apache-maven-3.9.6/lib/maven-shared-utils-3.3.4.jar

apache-maven-3.9.6/lib/guice-5.1.0.jar

apache-maven-3.9.6/lib/aopalliance-1.0.jar

apache-maven-3.9.6/lib/guava-32.0.1-jre.jar

apache-maven-3.9.6/lib/failureaccess-1.0.1.jar

apache-maven-3.9.6/lib/javax.inject-1.jar

apache-maven-3.9.6/lib/javax.annotation-api-1.3.2.jar

apache-maven-3.9.6/lib/plexus-utils-3.5.1.jar

apache-maven-3.9.6/lib/plexus-sec-dispatcher-2.0.jar

apache-maven-3.9.6/lib/plexus-cipher-2.0.jar

apache-maven-3.9.6/lib/plexus-interpolation-1.26.jar

apache-maven-3.9.6/lib/slf4j-api-1.7.36.jar

apache-maven-3.9.6/lib/commons-lang3-3.12.0.jar

apache-maven-3.9.6/lib/maven-core-3.9.6.jar

apache-maven-3.9.6/lib/maven-repository-metadata-3.9.6.jar

apache-maven-3.9.6/lib/maven-artifact-3.9.6.jar

apache-maven-3.9.6/lib/maven-resolver-provider-3.9.6.jar

apache-maven-3.9.6/lib/maven-resolver-impl-1.9.18.jar

apache-maven-3.9.6/lib/maven-resolver-named-locks-1.9.18.jar

apache-maven-3.9.6/lib/maven-resolver-spi-1.9.18.jar

apache-maven-3.9.6/lib/org.eclipse.sisu.inject-0.9.0.M2.jar

apache-maven-3.9.6/lib/plexus-component-annotations-2.1.0.jar

apache-maven-3.9.6/lib/maven-compat-3.9.6.jar

apache-maven-3.9.6/lib/wagon-provider-api-3.5.3.jar

apache-maven-3.9.6/lib/org.eclipse.sisu.plexus-0.9.0.M2.jar

apache-maven-3.9.6/lib/commons-cli-1.5.0.jar

apache-maven-3.9.6/lib/wagon-http-3.5.3.jar

apache-maven-3.9.6/lib/wagon-http-shared-3.5.3.jar

apache-maven-3.9.6/lib/httpclient-4.5.14.jar

apache-maven-3.9.6/lib/wagon-file-3.5.3.jar

apache-maven-3.9.6/lib/jcl-over-slf4j-1.7.36.jar

apache-maven-3.9.6/lib/maven-resolver-connector-basic-1.9.18.jar

apache-maven-3.9.6/lib/maven-resolver-transport-file-1.9.18.jar

apache-maven-3.9.6/lib/maven-resolver-transport-http-1.9.18.jar

apache-maven-3.9.6/lib/httpcore-4.4.16.jar

apache-maven-3.9.6/lib/commons-codec-1.16.0.jar

apache-maven-3.9.6/lib/maven-resolver-transport-wagon-1.9.18.jar

apache-maven-3.9.6/lib/maven-slf4j-provider-3.9.6.jar

apache-maven-3.9.6/lib/jansi-2.4.0.jar

[root@Main-Server opt]#

[root@Main-Server opt]# ls

apache-maven-3.9.6 apache-maven-3.9.6-bin.tar.gz aws rh

[root@Main-Server opt]# mv apache-maven-3.9.6 maven

[root@Main-Server opt]# mvn -v

-bash: mvn: command not found

[root@Main-Server opt]# pwd

/opt

[root@Main-Server opt]# cd

[root@Main-Server ~]# pwd

/root

[root@Main-Server ~]# amazon-linux-extras install java-openjdk11

Topic java-openjdk11 has end-of-support date of 2024-09-30

Installing java-11-openjdk

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-java-openjdk11

: amzn2extra-kernel-5.10 jenkins

19 metadata files removed

8 sqlite files removed

0 metadata files removed

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

amzn2-core | 3.6 kB 00:00

amzn2extra-docker | 2.9 kB 00:00

amzn2extra-java-openjdk11 | 3.0 kB 00:00

amzn2extra-kernel-5.10 | 3.0 kB 00:00

jenkins | 2.9 kB 00:00

(1/10): amzn2-core/2/x86\_64/group\_gz | 2.7 kB 00:00

(2/10): amzn2-core/2/x86\_64/updateinfo | 800 kB 00:00

(3/10): amzn2extra-java-openjdk11/2/x86\_64/primary\_db | 180 kB 00:00

(4/10): amzn2extra-kernel-5.10/2/x86\_64/updateinfo | 47 kB 00:00

(5/10): amzn2extra-docker/2/x86\_64/updateinfo | 14 kB 00:00

(6/10): amzn2extra-docker/2/x86\_64/primary\_db | 108 kB 00:00

(7/10): amzn2extra-java-openjdk11/2/x86\_64/updateinfo | 6.3 kB 00:00

(8/10): amzn2extra-kernel-5.10/2/x86\_64/primary\_db | 23 MB 00:00

(9/10): jenkins/primary\_db | 49 kB 00:00

(10/10): amzn2-core/2/x86\_64/primary\_db | 70 MB 00:01

Resolving Dependencies

--> Running transaction check

---> Package java-11-openjdk.x86\_64 1:11.0.22.0.7-1.amzn2.0.1 will be installed

--> Processing Dependency: java-11-openjdk-headless(x86-64) = 1:11.0.22.0.7-1.amzn2.0.1 for package: 1:java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

--> Processing Dependency: xorg-x11-fonts-Type1 for package: 1:java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

--> Processing Dependency: libjava.so()(64bit) for package: 1:java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

--> Processing Dependency: libjvm.so()(64bit) for package: 1:java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

--> Running transaction check

---> Package java-11-openjdk-headless.x86\_64 1:11.0.22.0.7-1.amzn2.0.1 will be installed

--> Processing Dependency: copy-jdk-configs >= 3.3 for package: 1:java-11-openjdk-headless-11.0.22.0.7-1.amzn2.0.1.x86\_64

--> Processing Dependency: tzdata-java >= 2023c for package: 1:java-11-openjdk-headless-11.0.22.0.7-1.amzn2.0.1.x86\_64

--> Processing Dependency: cups-libs(x86-64) for package: 1:java-11-openjdk-headless-11.0.22.0.7-1.amzn2.0.1.x86\_64

--> Processing Dependency: lksctp-tools(x86-64) for package: 1:java-11-openjdk-headless-11.0.22.0.7-1.amzn2.0.1.x86\_64

--> Processing Dependency: pcsc-lite-libs(x86-64) for package: 1:java-11-openjdk-headless-11.0.22.0.7-1.amzn2.0.1.x86\_64

--> Processing Dependency: libharfbuzz.so.0()(64bit) for package: 1:java-11-openjdk-headless-11.0.22.0.7-1.amzn2.0.1.x86\_64

---> Package xorg-x11-fonts-Type1.noarch 0:7.5-9.amzn2 will be installed

--> Processing Dependency: mkfontdir for package: xorg-x11-fonts-Type1-7.5-9.amzn2.noarch

--> Processing Dependency: mkfontdir for package: xorg-x11-fonts-Type1-7.5-9.amzn2.noarch

--> Processing Dependency: ttmkfdir for package: xorg-x11-fonts-Type1-7.5-9.amzn2.noarch

--> Processing Dependency: ttmkfdir for package: xorg-x11-fonts-Type1-7.5-9.amzn2.noarch

--> Running transaction check

---> Package copy-jdk-configs.noarch 0:3.3-10.amzn2 will be installed

---> Package cups-libs.x86\_64 1:1.6.3-51.amzn2.0.4 will be installed

--> Processing Dependency: libavahi-client.so.3()(64bit) for package: 1:cups-libs-1.6.3-51.amzn2.0.4.x86\_64

--> Processing Dependency: libavahi-common.so.3()(64bit) for package: 1:cups-libs-1.6.3-51.amzn2.0.4.x86\_64

---> Package harfbuzz.x86\_64 0:1.7.5-2.amzn2 will be installed

--> Processing Dependency: libgraphite2.so.3()(64bit) for package: harfbuzz-1.7.5-2.amzn2.x86\_64

---> Package lksctp-tools.x86\_64 0:1.0.17-2.amzn2.0.2 will be installed

---> Package pcsc-lite-libs.x86\_64 0:1.8.8-7.amzn2 will be installed

---> Package ttmkfdir.x86\_64 0:3.0.9-42.amzn2.0.2 will be installed

---> Package tzdata-java.noarch 0:2023d-1.amzn2.0.1 will be installed

---> Package xorg-x11-font-utils.x86\_64 1:7.5-21.amzn2 will be installed

--> Processing Dependency: libfontenc.so.1()(64bit) for package: 1:xorg-x11-font-utils-7.5-21.amzn2.x86\_64

--> Running transaction check

---> Package avahi-libs.x86\_64 0:0.6.31-20.amzn2.0.5 will be installed

---> Package graphite2.x86\_64 0:1.3.10-1.amzn2.0.2 will be installed

---> Package libfontenc.x86\_64 0:1.1.3-3.amzn2.0.2 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

================================================================================

Package Arch Version Repository Size

================================================================================

Installing:

java-11-openjdk x86\_64 1:11.0.22.0.7-1.amzn2.0.1 amzn2extra-java-openjdk11

241 k

Installing for dependencies:

avahi-libs x86\_64 0.6.31-20.amzn2.0.5 amzn2-core 62 k

copy-jdk-configs noarch 3.3-10.amzn2 amzn2-core 21 k

cups-libs x86\_64 1:1.6.3-51.amzn2.0.4 amzn2-core 357 k

graphite2 x86\_64 1.3.10-1.amzn2.0.2 amzn2-core 115 k

harfbuzz x86\_64 1.7.5-2.amzn2 amzn2-core 279 k

java-11-openjdk-headless x86\_64 1:11.0.22.0.7-1.amzn2.0.1 amzn2extra-java-openjdk11

39 M

libfontenc x86\_64 1.1.3-3.amzn2.0.2 amzn2-core 31 k

lksctp-tools x86\_64 1.0.17-2.amzn2.0.2 amzn2-core 88 k

pcsc-lite-libs x86\_64 1.8.8-7.amzn2 amzn2-core 35 k

ttmkfdir x86\_64 3.0.9-42.amzn2.0.2 amzn2-core 50 k

tzdata-java noarch 2023d-1.amzn2.0.1 amzn2-core 185 k

xorg-x11-font-utils x86\_64 1:7.5-21.amzn2 amzn2-core 103 k

xorg-x11-fonts-Type1 noarch 7.5-9.amzn2 amzn2-core 521 k

Transaction Summary

================================================================================

Install 1 Package (+13 Dependent packages)

Total download size: 41 M

Installed size: 169 M

Is this ok [y/d/N]: y

Downloading packages:

(1/14): copy-jdk-configs-3.3-10.amzn2.noarch.rpm | 21 kB 00:00

(2/14): avahi-libs-0.6.31-20.amzn2.0.5.x86\_64.rpm | 62 kB 00:00

(3/14): graphite2-1.3.10-1.amzn2.0.2.x86\_64.rpm | 115 kB 00:00

(4/14): cups-libs-1.6.3-51.amzn2.0.4.x86\_64.rpm | 357 kB 00:00

(5/14): harfbuzz-1.7.5-2.amzn2.x86\_64.rpm | 279 kB 00:00

(6/14): libfontenc-1.1.3-3.amzn2.0.2.x86\_64.rpm | 31 kB 00:00

(7/14): pcsc-lite-libs-1.8.8-7.amzn2.x86\_64.rpm | 35 kB 00:00

(8/14): ttmkfdir-3.0.9-42.amzn2.0.2.x86\_64.rpm | 50 kB 00:00

(9/14): tzdata-java-2023d-1.amzn2.0.1.noarch.rpm | 185 kB 00:00

(10/14): xorg-x11-font-utils-7.5-21.amzn2.x86\_64.rpm | 103 kB 00:00

(11/14): xorg-x11-fonts-Type1-7.5-9.amzn2.noarch.rpm | 521 kB 00:00

(12/14): java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64.rp | 241 kB 00:00

(13/14): lksctp-tools-1.0.17-2.amzn2.0.2.x86\_64.rpm | 88 kB 00:00

(14/14): java-11-openjdk-headless-11.0.22.0.7-1.amzn2.0.1. | 39 MB 00:00

--------------------------------------------------------------------------------

Total 35 MB/s | 41 MB 00:01

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : graphite2-1.3.10-1.amzn2.0.2.x86\_64 1/14

Installing : harfbuzz-1.7.5-2.amzn2.x86\_64 2/14

Installing : libfontenc-1.1.3-3.amzn2.0.2.x86\_64 3/14

Installing : 1:xorg-x11-font-utils-7.5-21.amzn2.x86\_64 4/14

Installing : tzdata-java-2023d-1.amzn2.0.1.noarch 5/14

Installing : copy-jdk-configs-3.3-10.amzn2.noarch 6/14

Installing : avahi-libs-0.6.31-20.amzn2.0.5.x86\_64 7/14

Installing : 1:cups-libs-1.6.3-51.amzn2.0.4.x86\_64 8/14

Installing : pcsc-lite-libs-1.8.8-7.amzn2.x86\_64 9/14

Installing : ttmkfdir-3.0.9-42.amzn2.0.2.x86\_64 10/14

Installing : xorg-x11-fonts-Type1-7.5-9.amzn2.noarch 11/14

Installing : lksctp-tools-1.0.17-2.amzn2.0.2.x86\_64 12/14

Installing : 1:java-11-openjdk-headless-11.0.22.0.7-1.amzn2.0.1.x86\_6 13/14

Installing : 1:java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64 14/14

Verifying : 1:java-11-openjdk-headless-11.0.22.0.7-1.amzn2.0.1.x86\_6 1/14

Verifying : xorg-x11-fonts-Type1-7.5-9.amzn2.noarch 2/14

Verifying : 1:xorg-x11-font-utils-7.5-21.amzn2.x86\_64 3/14

Verifying : lksctp-tools-1.0.17-2.amzn2.0.2.x86\_64 4/14

Verifying : 1:cups-libs-1.6.3-51.amzn2.0.4.x86\_64 5/14

Verifying : ttmkfdir-3.0.9-42.amzn2.0.2.x86\_64 6/14

Verifying : pcsc-lite-libs-1.8.8-7.amzn2.x86\_64 7/14

Verifying : avahi-libs-0.6.31-20.amzn2.0.5.x86\_64 8/14

Verifying : copy-jdk-configs-3.3-10.amzn2.noarch 9/14

Verifying : 1:java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64 10/14

Verifying : tzdata-java-2023d-1.amzn2.0.1.noarch 11/14

Verifying : harfbuzz-1.7.5-2.amzn2.x86\_64 12/14

Verifying : libfontenc-1.1.3-3.amzn2.0.2.x86\_64 13/14

Verifying : graphite2-1.3.10-1.amzn2.0.2.x86\_64 14/14

Installed:

java-11-openjdk.x86\_64 1:11.0.22.0.7-1.amzn2.0.1

Dependency Installed:

avahi-libs.x86\_64 0:0.6.31-20.amzn2.0.5

copy-jdk-configs.noarch 0:3.3-10.amzn2

cups-libs.x86\_64 1:1.6.3-51.amzn2.0.4

graphite2.x86\_64 0:1.3.10-1.amzn2.0.2

harfbuzz.x86\_64 0:1.7.5-2.amzn2

java-11-openjdk-headless.x86\_64 1:11.0.22.0.7-1.amzn2.0.1

libfontenc.x86\_64 0:1.1.3-3.amzn2.0.2

lksctp-tools.x86\_64 0:1.0.17-2.amzn2.0.2

pcsc-lite-libs.x86\_64 0:1.8.8-7.amzn2

ttmkfdir.x86\_64 0:3.0.9-42.amzn2.0.2

tzdata-java.noarch 0:2023d-1.amzn2.0.1

xorg-x11-font-utils.x86\_64 1:7.5-21.amzn2

xorg-x11-fonts-Type1.noarch 0:7.5-9.amzn2

Complete!

2 httpd\_modules available [ =1.0 =stable ]

3 memcached1.5 available \

[ =1.5.1 =1.5.16 =1.5.17 ]

9 R3.4 available [ =3.4.3 =stable ]

10 rust1 available \

[ =1.22.1 =1.26.0 =1.26.1 =1.27.2 =1.31.0 =1.38.0

=stable ]

18 libreoffice available \

[ =5.0.6.2\_15 =5.3.6.1 =stable ]

19 gimp available [ =2.8.22 ]

20 †docker=latest enabled \

[ =17.12.1 =18.03.1 =18.06.1 =18.09.9 =stable ]

21 mate-desktop1.x available \

[ =1.19.0 =1.20.0 =stable ]

22 GraphicsMagick1.3 available \

[ =1.3.29 =1.3.32 =1.3.34 =stable ]

23 †tomcat8.5 available \

[ =8.5.31 =8.5.32 =8.5.38 =8.5.40 =8.5.42 =8.5.50

=stable ]

24 epel available [ =7.11 =stable ]

25 testing available [ =1.0 =stable ]

26 ecs available [ =stable ]

27 †corretto8 available \

[ =1.8.0\_192 =1.8.0\_202 =1.8.0\_212 =1.8.0\_222 =1.8.0\_232

=1.8.0\_242 =stable ]

32 lustre2.10 available \

[ =2.10.5 =2.10.8 =stable ]

33 †java-openjdk11=latest enabled [ =11 =stable ]

34 lynis available [ =stable ]

36 BCC available [ =0.x =stable ]

37 mono available [ =5.x =stable ]

38 nginx1 available [ =stable ]

40 mock available [ =stable ]

43 livepatch available [ =stable ]

44 †python3.8 available [ =stable ]

45 haproxy2 available [ =stable ]

46 collectd available [ =stable ]

47 aws-nitro-enclaves-cli available [ =stable ]

48 R4 available [ =stable ]

\_ kernel-5.4 available [ =stable ]

50 selinux-ng available [ =stable ]

52 tomcat9 available [ =stable ]

53 unbound1.13 available [ =stable ]

54 †mariadb10.5 available [ =stable ]

55 kernel-5.10=latest enabled [ =stable ]

56 redis6 available [ =stable ]

57 †ruby3.0 available [ =stable ]

58 †postgresql12 available [ =stable ]

59 †postgresql13 available [ =stable ]

60 mock2 available [ =stable ]

61 dnsmasq2.85 available [ =stable ]

62 kernel-5.15 available [ =stable ]

63 †postgresql14 available [ =stable ]

64 firefox available [ =stable ]

65 lustre available [ =stable ]

66 †php8.1 available [ =stable ]

67 awscli1 available [ =stable ]

68 †php8.2 available [ =stable ]

69 dnsmasq available [ =stable ]

70 unbound1.17 available [ =stable ]

72 collectd-python3 available [ =stable ]

† Note on end-of-support. Use 'info' subcommand.

[root@Main-Server ~]# ls -a

. .. .bash\_logout .bash\_profile .bashrc .cshrc .ssh .tcshrc

[root@Main-Server ~]# vi .bash\_profile

[root@Main-Server ~]# cd /user/lib/jvm

-bash: cd: /user/lib/jvm: No such file or directory

[root@Main-Server ~]# find / -name jam/etc/jvm

find: warning: Unix filenames usually don't contain slashes (though pathnames do). That means that '-name ‘jam/etc/jvm’' will probably evaluate to false all the time on this system. You might find the '-wholename' test more useful, or perhaps '-samefile'. Alternatively, if you are using GNU grep, you could use 'find ... -print0 | grep -FzZ ‘jam/etc/jvm’'.

find: ‘/proc/22541’: No such file or directory

[root@Main-Server ~]# find / -name jvm

/etc/jvm

/usr/lib/jvm

/usr/share/jvm

[root@Main-Server ~]# cd /usr/lib/jvm

[root@Main-Server jvm]# ls

java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

java-17-amazon-corretto

java-17-amazon-corretto.x86\_64

jre

jre-11

jre-11-openjdk

jre-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

jre-17

jre-17-openjdk

jre-openjdk

[root@Main-Server jvm]# realpath jre-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

/usr/lib/jvm/java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

[root@Main-Server jvm]# /usr/lib/jvm/java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

-bash: /usr/lib/jvm/java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64: Is a directory

[root@Main-Server jvm]#

[root@Main-Server jvm]# cd

[root@Main-Server ~]# vi .bash\_profile

[root@Main-Server ~]# cat .bash\_profile

# .bash\_profile

# Get the aliases and functions

if [ -f ~/.bashrc ]; then

. ~/.bashrc

fi

# User specific environment and startup programs

M2\_HOME=/opt/maven

M2=/opt/maven/bin

JAVA\_HOME=/usr/lib/jvm/java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

PATH=$PATH:$HOME/bin:$M2\_HOME:$M2:$JAVA\_HOME

export PATH

[root@Main-Server ~]# echo $PATH

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/root/bin

[root@Main-Server ~]# source .bash\_profile

[root@Main-Server ~]# echo $PATH

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/root/bin:/root/bin:/opt/maven:/opt/maven/bin:/usr/lib/jvm/java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

[root@Main-Server ~]# mvn -v

**Apache Maven 3.9.6 (bc0240f3c744dd6b6ec2920b3cd08dcc295161ae)**

Maven home: /opt/maven

Java version: 17.0.10, vendor: Amazon.com Inc., runtime: /usr/lib/jvm/java-17-amazon-corretto.x86\_64

Default locale: en\_US, platform encoding: UTF-8

OS name: "linux", version: "5.10.205-195.807.amzn2.x86\_64", arch: "amd64", family: "unix"

[root@Main-Server ~]# echo $PATH

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/root/bin:/root/bin:/opt/maven:/opt/maven/bin:/usr/lib/jvm/java-11-openjdk-11.0.22.0.7-1.amzn2.0.1.x86\_64

[root@Main-Server ~]# ^C

[root@Main-Server ~]#