**Module-3: Docker – I Assignment - 1**

You have been asked to:

● Pull ubuntu container

● Run this container, and map port 80 on the local

● Install apache2 on this container

● Check if you are able to access the apache page on your browser

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

[ec2-user@ip-172-31-22-207 ~]$ sudo su

[root@ip-172-31-22-207 ec2-user]# yum update -y

Last metadata expiration check: 0:00:44 ago on Wed Apr 24 04:20:21 2024.

Dependencies resolved.

Nothing to do.

Complete!

[root@ip-172-31-22-207 ec2-user]# yum install docker.io

Last metadata expiration check: 0:01:21 ago on Wed Apr 24 04:20:21 2024.

No match for argument: docker.io

Error: Unable to find a match: docker.io

[root@ip-172-31-22-207 ec2-user]# sudo yum install docker -y

Last metadata expiration check: 0:02:05 ago on Wed Apr 24 04:20:21 2024.

Dependencies resolved.

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

Package Architecture Version Repository Size

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

Installing:

docker x86\_64 25.0.3-1.amzn2023.0.1 amazonlinux 44 M

Installing dependencies:

containerd x86\_64 1.7.11-1.amzn2023.0.1 amazonlinux 35 M

iptables-libs x86\_64 1.8.8-3.amzn2023.0.2 amazonlinux 401 k

iptables-nft x86\_64 1.8.8-3.amzn2023.0.2 amazonlinux 183 k

libcgroup x86\_64 3.0-1.amzn2023.0.1 amazonlinux 75 k

libnetfilter\_conntrack x86\_64 1.0.8-2.amzn2023.0.2 amazonlinux 58 k

libnfnetlink x86\_64 1.0.1-19.amzn2023.0.2 amazonlinux 30 k

libnftnl x86\_64 1.2.2-2.amzn2023.0.2 amazonlinux 84 k

pigz x86\_64 2.5-1.amzn2023.0.3 amazonlinux 83 k

runc x86\_64 1.1.11-1.amzn2023.0.1 amazonlinux 3.0 M

Transaction Summary

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

Install 10 Packages

Total download size: 83 M

Installed size: 313 M

Downloading Packages:

(1/10): iptables-libs-1.8.8-3.amzn2023.0.2.x86\_64.rpm 4.8 MB/s | 401 kB 00:00

(2/10): iptables-nft-1.8.8-3.amzn2023.0.2.x86\_64.rpm 6.1 MB/s | 183 kB 00:00

(3/10): libcgroup-3.0-1.amzn2023.0.1.x86\_64.rpm 3.7 MB/s | 75 kB 00:00

(4/10): libnetfilter\_conntrack-1.0.8-2.amzn2023.0.2.x86\_64.rpm 1.5 MB/s | 58 kB 00:00

(5/10): libnfnetlink-1.0.1-19.amzn2023.0.2.x86\_64.rpm 1.5 MB/s | 30 kB 00:00

(6/10): libnftnl-1.2.2-2.amzn2023.0.2.x86\_64.rpm 3.2 MB/s | 84 kB 00:00

(7/10): pigz-2.5-1.amzn2023.0.3.x86\_64.rpm 2.6 MB/s | 83 kB 00:00

(8/10): runc-1.1.11-1.amzn2023.0.1.x86\_64.rpm 18 MB/s | 3.0 MB 00:00

(9/10): docker-25.0.3-1.amzn2023.0.1.x86\_64.rpm 44 MB/s | 44 MB 00:00

(10/10): containerd-1.7.11-1.amzn2023.0.1.x86\_64.rpm 27 MB/s | 35 MB 00:01

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

Total 61 MB/s | 83 MB 00:01

Running transaction check

Transaction check succeeded.

Running transaction test

Transaction test succeeded.

Running transaction

Preparing : 1/1

Installing : runc-1.1.11-1.amzn2023.0.1.x86\_64 1/10

Installing : containerd-1.7.11-1.amzn2023.0.1.x86\_64 2/10

Running scriptlet: containerd-1.7.11-1.amzn2023.0.1.x86\_64 2/10

Installing : pigz-2.5-1.amzn2023.0.3.x86\_64 3/10

Installing : libnftnl-1.2.2-2.amzn2023.0.2.x86\_64 4/10

Installing : libnfnetlink-1.0.1-19.amzn2023.0.2.x86\_64 5/10

Installing : libnetfilter\_conntrack-1.0.8-2.amzn2023.0.2.x86\_64 6/10

Installing : iptables-libs-1.8.8-3.amzn2023.0.2.x86\_64 7/10

Installing : iptables-nft-1.8.8-3.amzn2023.0.2.x86\_64 8/10

Running scriptlet: iptables-nft-1.8.8-3.amzn2023.0.2.x86\_64 8/10

Installing : libcgroup-3.0-1.amzn2023.0.1.x86\_64 9/10

Running scriptlet: docker-25.0.3-1.amzn2023.0.1.x86\_64 10/10

Installing : docker-25.0.3-1.amzn2023.0.1.x86\_64 10/10

Running scriptlet: docker-25.0.3-1.amzn2023.0.1.x86\_64 10/10

Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /usr/lib/systemd/system/docker.socket.

Verifying : containerd-1.7.11-1.amzn2023.0.1.x86\_64 1/10

Verifying : docker-25.0.3-1.amzn2023.0.1.x86\_64 2/10

Verifying : iptables-libs-1.8.8-3.amzn2023.0.2.x86\_64 3/10

Verifying : iptables-nft-1.8.8-3.amzn2023.0.2.x86\_64 4/10

Verifying : libcgroup-3.0-1.amzn2023.0.1.x86\_64 5/10

Verifying : libnetfilter\_conntrack-1.0.8-2.amzn2023.0.2.x86\_64 6/10

Verifying : libnfnetlink-1.0.1-19.amzn2023.0.2.x86\_64 7/10

Verifying : libnftnl-1.2.2-2.amzn2023.0.2.x86\_64 8/10

Verifying : pigz-2.5-1.amzn2023.0.3.x86\_64 9/10

Verifying : runc-1.1.11-1.amzn2023.0.1.x86\_64 10/10

Installed:

containerd-1.7.11-1.amzn2023.0.1.x86\_64 docker-25.0.3-1.amzn2023.0.1.x86\_64 iptables-libs-1.8.8-3.amzn2023.0.2.x86\_64

iptables-nft-1.8.8-3.amzn2023.0.2.x86\_64 libcgroup-3.0-1.amzn2023.0.1.x86\_64 libnetfilter\_conntrack-1.0.8-2.amzn2023.0.2.x86\_64

libnfnetlink-1.0.1-19.amzn2023.0.2.x86\_64 libnftnl-1.2.2-2.amzn2023.0.2.x86\_64 pigz-2.5-1.amzn2023.0.3.x86\_64

runc-1.1.11-1.amzn2023.0.1.x86\_64

Complete!

[root@ip-172-31-22-207 ec2-user]# sudo service docker start

Redirecting to /bin/systemctl start docker.service

[root@ip-172-31-22-207 ec2-user]# docker --version

Docker version 25.0.3, build 4debf41

[root@ip-172-31-22-207 ec2-user]# docker pull ubuntu

Using default tag: latest

latest: Pulling from library/ubuntu

3c645031de29: Pull complete

Digest: sha256:1b8d8ff4777f36f19bfe73ee4df61e3a0b789caeff29caa019539ec7c9a57f95

Status: Downloaded newer image for ubuntu:latest

docker.io/library/ubuntu:latest

[root@ip-172-31-22-207 ec2-user]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 7af9ba4f0a47 13 days ago 77.9MB

[root@ip-172-31-22-207 ec2-user]# docker run -d -p 80:80 --name my-apache-container ubuntu

3eea0531de879b2b01653bb725b55dd0e68f1be88e618688c73a785abe422c89

[root@ip-172-31-22-207 ec2-user]# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

[root@ip-172-31-22-207 ec2-user]# docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

3eea0531de87 ubuntu "/bin/bash" 16 seconds ago Exited (0) 15 seconds ago my-apache-container

[root@ip-172-31-22-207 ec2-user]# docker exec -it my-apache-container /bin/bash

Error response from daemon: container 3eea0531de879b2b01653bb725b55dd0e68f1be88e618688c73a785abe422c89 is not running

[root@ip-172-31-22-207 ec2-user]# docker rm 3eea0531de87

3eea0531de87

[root@ip-172-31-22-207 ec2-user]# docker run -it -p 80:80 --name my-apache-container ubuntu /bin/bash

root@a9df3d19dd53:/# apt-get update

Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]

Get:2 http://archive.ubuntu.com/ubuntu jammy InRelease [270 kB]

Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]

Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]

Get:5 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [1077 kB]

Get:6 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2259 kB]

Get:7 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [44.7 kB]

Get:8 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1753 kB]

Get:9 http://archive.ubuntu.com/ubuntu jammy/restricted amd64 Packages [164 kB]

Get:10 http://archive.ubuntu.com/ubuntu jammy/main amd64 Packages [1792 kB]

Get:11 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [17.5 MB]

Get:12 http://archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [266 kB]

Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [2035 kB]

Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [2339 kB]

Get:15 http://archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [51.1 kB]

Get:16 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1369 kB]

Get:17 http://archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [80.9 kB]

Get:18 http://archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [33.3 kB]

Fetched 31.3 MB in 3s (12.5 MB/s)

Reading package lists... Done

root@a9df3d19dd53:/# apt-get install apache2 -y

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following additional packages will be installed:

apache2-bin apache2-data apache2-utils bzip2 ca-certificates file libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap

libbrotli1 libcurl4 libexpat1 libgdbm-compat4 libgdbm6 libicu70 libjansson4 libldap-2.5-0 libldap-common liblua5.3-0 libmagic-mgc

libmagic1 libnghttp2-14 libperl5.34 libpsl5 librtmp1 libsasl2-2 libsasl2-modules libsasl2-modules-db libsqlite3-0 libssh-4 libxml2

mailcap media-types mime-support netbase openssl perl perl-modules-5.34 publicsuffix ssl-cert xz-utils

Suggested packages:

apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser ufw bzip2-doc gdbm-l10n libsasl2-modules-gssapi-mit

| libsasl2-modules-gssapi-heimdal libsasl2-modules-ldap libsasl2-modules-otp libsasl2-modules-sql perl-doc libterm-readline-gnu-perl

| libterm-readline-perl-perl make libtap-harness-archive-perl

The following NEW packages will be installed:

apache2 apache2-bin apache2-data apache2-utils bzip2 ca-certificates file libapr1 libaprutil1 libaprutil1-dbd-sqlite3

libaprutil1-ldap libbrotli1 libcurl4 libexpat1 libgdbm-compat4 libgdbm6 libicu70 libjansson4 libldap-2.5-0 libldap-common

liblua5.3-0 libmagic-mgc libmagic1 libnghttp2-14 libperl5.34 libpsl5 librtmp1 libsasl2-2 libsasl2-modules libsasl2-modules-db

libsqlite3-0 libssh-4 libxml2 mailcap media-types mime-support netbase openssl perl perl-modules-5.34 publicsuffix ssl-cert xz-utils

0 upgraded, 43 newly installed, 0 to remove and 3 not upgraded.

Need to get 25.6 MB of archives.

After this operation, 111 MB of additional disk space will be used.

Get:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl-modules-5.34 all 5.34.0-3ubuntu1.3 [2976 kB]

Get:2 http://archive.ubuntu.com/ubuntu jammy/main amd64 libgdbm6 amd64 1.23-1 [33.9 kB]

Get:3 http://archive.ubuntu.com/ubuntu jammy/main amd64 libgdbm-compat4 amd64 1.23-1 [6606 B]

Get:4 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libperl5.34 amd64 5.34.0-3ubuntu1.3 [4820 kB]

Get:5 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 perl amd64 5.34.0-3ubuntu1.3 [232 kB]

Get:6 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libapr1 amd64 1.7.0-8ubuntu0.22.04.1 [108 kB]

Get:7 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libexpat1 amd64 2.4.7-1ubuntu0.3 [91.0 kB]

Get:8 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1 amd64 1.6.1-5ubuntu4.22.04.2 [92.8 kB]

Get:9 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libsqlite3-0 amd64 3.37.2-2ubuntu0.3 [641 kB]

Get:10 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-5ubuntu4.22.04.2 [11.3 kB]

Get:11 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libsasl2-modules-db amd64 2.1.27+dfsg2-3ubuntu1.2 [20.5 kB]

Get:12 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libsasl2-2 amd64 2.1.27+dfsg2-3ubuntu1.2 [53.8 kB]

Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libldap-2.5-0 amd64 2.5.17+dfsg-0ubuntu0.22.04.1 [183 kB]

Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libaprutil1-ldap amd64 1.6.1-5ubuntu4.22.04.2 [9170 B]

Get:15 http://archive.ubuntu.com/ubuntu jammy/main amd64 libbrotli1 amd64 1.0.9-2build6 [315 kB]

Get:16 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnghttp2-14 amd64 1.43.0-1ubuntu0.1 [76.7 kB]

Get:17 http://archive.ubuntu.com/ubuntu jammy/main amd64 libpsl5 amd64 0.21.0-1.2build2 [58.4 kB]

Get:18 http://archive.ubuntu.com/ubuntu jammy/main amd64 librtmp1 amd64 2.4+20151223.gitfa8646d.1-2build4 [58.2 kB]

Get:19 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libssh-4 amd64 0.9.6-2ubuntu0.22.04.3 [186 kB]

Get:20 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libcurl4 amd64 7.81.0-1ubuntu1.16 [290 kB]

Get:21 http://archive.ubuntu.com/ubuntu jammy/main amd64 libjansson4 amd64 2.13.1-1.1build3 [32.4 kB]

Get:22 http://archive.ubuntu.com/ubuntu jammy/main amd64 liblua5.3-0 amd64 5.3.6-1build1 [140 kB]

Get:23 http://archive.ubuntu.com/ubuntu jammy/main amd64 libicu70 amd64 70.1-2 [10.6 MB]

Get:24 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libxml2 amd64 2.9.13+dfsg-1ubuntu0.4 [763 kB]

Get:25 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-bin amd64 2.4.52-1ubuntu4.9 [1347 kB]

Get:26 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-data all 2.4.52-1ubuntu4.9 [165 kB]

Get:27 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2-utils amd64 2.4.52-1ubuntu4.9 [88.7 kB]

Get:28 http://archive.ubuntu.com/ubuntu jammy/main amd64 media-types all 7.0.0 [25.5 kB]

Get:29 http://archive.ubuntu.com/ubuntu jammy/main amd64 mailcap all 3.70+nmu1ubuntu1 [23.8 kB]

Get:30 http://archive.ubuntu.com/ubuntu jammy/main amd64 mime-support all 3.66 [3696 B]

Get:31 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apache2 amd64 2.4.52-1ubuntu4.9 [97.9 kB]

Get:32 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 openssl amd64 3.0.2-0ubuntu1.15 [1186 kB]

Get:33 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 ca-certificates all 20230311ubuntu0.22.04.1 [155 kB]

Get:34 http://archive.ubuntu.com/ubuntu jammy/main amd64 netbase all 6.3 [12.9 kB]

Get:35 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libmagic-mgc amd64 1:5.41-3ubuntu0.1 [257 kB]

Get:36 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libmagic1 amd64 1:5.41-3ubuntu0.1 [87.2 kB]

Get:37 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 file amd64 1:5.41-3ubuntu0.1 [21.5 kB]

Get:38 http://archive.ubuntu.com/ubuntu jammy/main amd64 publicsuffix all 20211207.1025-1 [129 kB]

Get:39 http://archive.ubuntu.com/ubuntu jammy/main amd64 xz-utils amd64 5.2.5-2ubuntu1 [84.8 kB]

Get:40 http://archive.ubuntu.com/ubuntu jammy/main amd64 bzip2 amd64 1.0.8-5build1 [34.8 kB]

Get:41 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libldap-common all 2.5.17+dfsg-0ubuntu0.22.04.1 [15.8 kB]

Get:42 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libsasl2-modules amd64 2.1.27+dfsg2-3ubuntu1.2 [68.8 kB]

Get:43 http://archive.ubuntu.com/ubuntu jammy/main amd64 ssl-cert all 1.1.2 [17.4 kB]

Fetched 25.6 MB in 2s (10.6 MB/s)

debconf: delaying package configuration, since apt-utils is not installed

Selecting previously unselected package perl-modules-5.34.

(Reading database ... 4393 files and directories currently installed.)

Preparing to unpack .../00-perl-modules-5.34\_5.34.0-3ubuntu1.3\_all.deb ...

Unpacking perl-modules-5.34 (5.34.0-3ubuntu1.3) ...

Selecting previously unselected package libgdbm6:amd64.

Preparing to unpack .../01-libgdbm6\_1.23-1\_amd64.deb ...

Unpacking libgdbm6:amd64 (1.23-1) ...

Selecting previously unselected package libgdbm-compat4:amd64.

Preparing to unpack .../02-libgdbm-compat4\_1.23-1\_amd64.deb ...

Unpacking libgdbm-compat4:amd64 (1.23-1) ...

Selecting previously unselected package libperl5.34:amd64.

Preparing to unpack .../03-libperl5.34\_5.34.0-3ubuntu1.3\_amd64.deb ...

Unpacking libperl5.34:amd64 (5.34.0-3ubuntu1.3) ...

Selecting previously unselected package perl.

Preparing to unpack .../04-perl\_5.34.0-3ubuntu1.3\_amd64.deb ...

Unpacking perl (5.34.0-3ubuntu1.3) ...

Selecting previously unselected package libapr1:amd64.

Preparing to unpack .../05-libapr1\_1.7.0-8ubuntu0.22.04.1\_amd64.deb ...

Unpacking libapr1:amd64 (1.7.0-8ubuntu0.22.04.1) ...

Selecting previously unselected package libexpat1:amd64.

Preparing to unpack .../06-libexpat1\_2.4.7-1ubuntu0.3\_amd64.deb ...

Unpacking libexpat1:amd64 (2.4.7-1ubuntu0.3) ...

Selecting previously unselected package libaprutil1:amd64.

Preparing to unpack .../07-libaprutil1\_1.6.1-5ubuntu4.22.04.2\_amd64.deb ...

Unpacking libaprutil1:amd64 (1.6.1-5ubuntu4.22.04.2) ...

Selecting previously unselected package libsqlite3-0:amd64.

Preparing to unpack .../08-libsqlite3-0\_3.37.2-2ubuntu0.3\_amd64.deb ...

Unpacking libsqlite3-0:amd64 (3.37.2-2ubuntu0.3) ...

Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.

Preparing to unpack .../09-libaprutil1-dbd-sqlite3\_1.6.1-5ubuntu4.22.04.2\_amd64.deb ...

Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-5ubuntu4.22.04.2) ...

Selecting previously unselected package libsasl2-modules-db:amd64.

Preparing to unpack .../10-libsasl2-modules-db\_2.1.27+dfsg2-3ubuntu1.2\_amd64.deb ...

Unpacking libsasl2-modules-db:amd64 (2.1.27+dfsg2-3ubuntu1.2) ...

Selecting previously unselected package libsasl2-2:amd64.

Preparing to unpack .../11-libsasl2-2\_2.1.27+dfsg2-3ubuntu1.2\_amd64.deb ...

Unpacking libsasl2-2:amd64 (2.1.27+dfsg2-3ubuntu1.2) ...

Selecting previously unselected package libldap-2.5-0:amd64.

Preparing to unpack .../12-libldap-2.5-0\_2.5.17+dfsg-0ubuntu0.22.04.1\_amd64.deb ...

Unpacking libldap-2.5-0:amd64 (2.5.17+dfsg-0ubuntu0.22.04.1) ...

Selecting previously unselected package libaprutil1-ldap:amd64.

Preparing to unpack .../13-libaprutil1-ldap\_1.6.1-5ubuntu4.22.04.2\_amd64.deb ...

Unpacking libaprutil1-ldap:amd64 (1.6.1-5ubuntu4.22.04.2) ...

Selecting previously unselected package libbrotli1:amd64.

Preparing to unpack .../14-libbrotli1\_1.0.9-2build6\_amd64.deb ...

Unpacking libbrotli1:amd64 (1.0.9-2build6) ...

Selecting previously unselected package libnghttp2-14:amd64.

Preparing to unpack .../15-libnghttp2-14\_1.43.0-1ubuntu0.1\_amd64.deb ...

Unpacking libnghttp2-14:amd64 (1.43.0-1ubuntu0.1) ...

Selecting previously unselected package libpsl5:amd64.

Preparing to unpack .../16-libpsl5\_0.21.0-1.2build2\_amd64.deb ...

Unpacking libpsl5:amd64 (0.21.0-1.2build2) ...

Selecting previously unselected package librtmp1:amd64.

Preparing to unpack .../17-librtmp1\_2.4+20151223.gitfa8646d.1-2build4\_amd64.deb ...

Unpacking librtmp1:amd64 (2.4+20151223.gitfa8646d.1-2build4) ...

Selecting previously unselected package libssh-4:amd64.

Preparing to unpack .../18-libssh-4\_0.9.6-2ubuntu0.22.04.3\_amd64.deb ...

Unpacking libssh-4:amd64 (0.9.6-2ubuntu0.22.04.3) ...

Selecting previously unselected package libcurl4:amd64.

Preparing to unpack .../19-libcurl4\_7.81.0-1ubuntu1.16\_amd64.deb ...

Unpacking libcurl4:amd64 (7.81.0-1ubuntu1.16) ...

Selecting previously unselected package libjansson4:amd64.

Preparing to unpack .../20-libjansson4\_2.13.1-1.1build3\_amd64.deb ...

Unpacking libjansson4:amd64 (2.13.1-1.1build3) ...

Selecting previously unselected package liblua5.3-0:amd64.

Preparing to unpack .../21-liblua5.3-0\_5.3.6-1build1\_amd64.deb ...

Unpacking liblua5.3-0:amd64 (5.3.6-1build1) ...

Selecting previously unselected package libicu70:amd64.

Preparing to unpack .../22-libicu70\_70.1-2\_amd64.deb ...

Unpacking libicu70:amd64 (70.1-2) ...

Selecting previously unselected package libxml2:amd64.

Preparing to unpack .../23-libxml2\_2.9.13+dfsg-1ubuntu0.4\_amd64.deb ...

Unpacking libxml2:amd64 (2.9.13+dfsg-1ubuntu0.4) ...

Selecting previously unselected package apache2-bin.

Preparing to unpack .../24-apache2-bin\_2.4.52-1ubuntu4.9\_amd64.deb ...

Unpacking apache2-bin (2.4.52-1ubuntu4.9) ...

Selecting previously unselected package apache2-data.

Preparing to unpack .../25-apache2-data\_2.4.52-1ubuntu4.9\_all.deb ...

Unpacking apache2-data (2.4.52-1ubuntu4.9) ...

Selecting previously unselected package apache2-utils.

Preparing to unpack .../26-apache2-utils\_2.4.52-1ubuntu4.9\_amd64.deb ...

Unpacking apache2-utils (2.4.52-1ubuntu4.9) ...

Selecting previously unselected package media-types.

Preparing to unpack .../27-media-types\_7.0.0\_all.deb ...

Unpacking media-types (7.0.0) ...

Selecting previously unselected package mailcap.

Preparing to unpack .../28-mailcap\_3.70+nmu1ubuntu1\_all.deb ...

Unpacking mailcap (3.70+nmu1ubuntu1) ...

Selecting previously unselected package mime-support.

Preparing to unpack .../29-mime-support\_3.66\_all.deb ...

Unpacking mime-support (3.66) ...

Selecting previously unselected package apache2.

Preparing to unpack .../30-apache2\_2.4.52-1ubuntu4.9\_amd64.deb ...

Unpacking apache2 (2.4.52-1ubuntu4.9) ...

Selecting previously unselected package openssl.

Preparing to unpack .../31-openssl\_3.0.2-0ubuntu1.15\_amd64.deb ...

Unpacking openssl (3.0.2-0ubuntu1.15) ...

Selecting previously unselected package ca-certificates.

Preparing to unpack .../32-ca-certificates\_20230311ubuntu0.22.04.1\_all.deb ...

Unpacking ca-certificates (20230311ubuntu0.22.04.1) ...

Selecting previously unselected package netbase.

Preparing to unpack .../33-netbase\_6.3\_all.deb ...

Unpacking netbase (6.3) ...

Selecting previously unselected package libmagic-mgc.

Preparing to unpack .../34-libmagic-mgc\_1%3a5.41-3ubuntu0.1\_amd64.deb ...

Unpacking libmagic-mgc (1:5.41-3ubuntu0.1) ...

Selecting previously unselected package libmagic1:amd64.

Preparing to unpack .../35-libmagic1\_1%3a5.41-3ubuntu0.1\_amd64.deb ...

Unpacking libmagic1:amd64 (1:5.41-3ubuntu0.1) ...

Selecting previously unselected package file.

Preparing to unpack .../36-file\_1%3a5.41-3ubuntu0.1\_amd64.deb ...

Unpacking file (1:5.41-3ubuntu0.1) ...

Selecting previously unselected package publicsuffix.

Preparing to unpack .../37-publicsuffix\_20211207.1025-1\_all.deb ...

Unpacking publicsuffix (20211207.1025-1) ...

Selecting previously unselected package xz-utils.

Preparing to unpack .../38-xz-utils\_5.2.5-2ubuntu1\_amd64.deb ...

Unpacking xz-utils (5.2.5-2ubuntu1) ...

Selecting previously unselected package bzip2.

Preparing to unpack .../39-bzip2\_1.0.8-5build1\_amd64.deb ...

Unpacking bzip2 (1.0.8-5build1) ...

Selecting previously unselected package libldap-common.

Preparing to unpack .../40-libldap-common\_2.5.17+dfsg-0ubuntu0.22.04.1\_all.deb ...

Unpacking libldap-common (2.5.17+dfsg-0ubuntu0.22.04.1) ...

Selecting previously unselected package libsasl2-modules:amd64.

Preparing to unpack .../41-libsasl2-modules\_2.1.27+dfsg2-3ubuntu1.2\_amd64.deb ...

Unpacking libsasl2-modules:amd64 (2.1.27+dfsg2-3ubuntu1.2) ...

Selecting previously unselected package ssl-cert.

Preparing to unpack .../42-ssl-cert\_1.1.2\_all.deb ...

Unpacking ssl-cert (1.1.2) ...

Setting up libexpat1:amd64 (2.4.7-1ubuntu0.3) ...

Setting up media-types (7.0.0) ...

Setting up libpsl5:amd64 (0.21.0-1.2build2) ...

Setting up libmagic-mgc (1:5.41-3ubuntu0.1) ...

Setting up libbrotli1:amd64 (1.0.9-2build6) ...

Setting up libsqlite3-0:amd64 (3.37.2-2ubuntu0.3) ...

Setting up libsasl2-modules:amd64 (2.1.27+dfsg2-3ubuntu1.2) ...

Setting up libnghttp2-14:amd64 (1.43.0-1ubuntu0.1) ...

Setting up libmagic1:amd64 (1:5.41-3ubuntu0.1) ...

Setting up libapr1:amd64 (1.7.0-8ubuntu0.22.04.1) ...

Setting up file (1:5.41-3ubuntu0.1) ...

Setting up perl-modules-5.34 (5.34.0-3ubuntu1.3) ...

Setting up bzip2 (1.0.8-5build1) ...

Setting up libldap-common (2.5.17+dfsg-0ubuntu0.22.04.1) ...

Setting up libjansson4:amd64 (2.13.1-1.1build3) ...

Setting up libsasl2-modules-db:amd64 (2.1.27+dfsg2-3ubuntu1.2) ...

Setting up librtmp1:amd64 (2.4+20151223.gitfa8646d.1-2build4) ...

Setting up xz-utils (5.2.5-2ubuntu1) ...

update-alternatives: using /usr/bin/xz to provide /usr/bin/lzma (lzma) in auto mode

update-alternatives: warning: skip creation of /usr/share/man/man1/lzma.1.gz because associated file /usr/share/man/man1/xz.1.gz (of link group lzma) doesn't exist

update-alternatives: warning: skip creation of /usr/share/man/man1/unlzma.1.gz because associated file /usr/share/man/man1/unxz.1.gz (of link group lzma) doesn't exist

update-alternatives: warning: skip creation of /usr/share/man/man1/lzcat.1.gz because associated file /usr/share/man/man1/xzcat.1.gz (of link group lzma) doesn't exist

update-alternatives: warning: skip creation of /usr/share/man/man1/lzmore.1.gz because associated file /usr/share/man/man1/xzmore.1.gz (of link group lzma) doesn't exist

update-alternatives: warning: skip creation of /usr/share/man/man1/lzless.1.gz because associated file /usr/share/man/man1/xzless.1.gz (of link group lzma) doesn't exist

update-alternatives: warning: skip creation of /usr/share/man/man1/lzdiff.1.gz because associated file /usr/share/man/man1/xzdiff.1.gz (of link group lzma) doesn't exist

update-alternatives: warning: skip creation of /usr/share/man/man1/lzcmp.1.gz because associated file /usr/share/man/man1/xzcmp.1.gz (of link group lzma) doesn't exist

update-alternatives: warning: skip creation of /usr/share/man/man1/lzgrep.1.gz because associated file /usr/share/man/man1/xzgrep.1.gz (of link group lzma) doesn't exist

update-alternatives: warning: skip creation of /usr/share/man/man1/lzegrep.1.gz because associated file /usr/share/man/man1/xzegrep.1.gz (of link group lzma) doesn't exist

update-alternatives: warning: skip creation of /usr/share/man/man1/lzfgrep.1.gz because associated file /usr/share/man/man1/xzfgrep.1.gz (of link group lzma) doesn't exist

Setting up libsasl2-2:amd64 (2.1.27+dfsg2-3ubuntu1.2) ...

Setting up libssh-4:amd64 (0.9.6-2ubuntu0.22.04.3) ...

Setting up liblua5.3-0:amd64 (5.3.6-1build1) ...

Setting up netbase (6.3) ...

Setting up apache2-data (2.4.52-1ubuntu4.9) ...

Setting up openssl (3.0.2-0ubuntu1.15) ...

Setting up publicsuffix (20211207.1025-1) ...

Setting up libgdbm6:amd64 (1.23-1) ...

Setting up libicu70:amd64 (70.1-2) ...

Setting up libaprutil1:amd64 (1.6.1-5ubuntu4.22.04.2) ...

Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.1-5ubuntu4.22.04.2) ...

Setting up libldap-2.5-0:amd64 (2.5.17+dfsg-0ubuntu0.22.04.1) ...

Setting up ca-certificates (20230311ubuntu0.22.04.1) ...

debconf: unable to initialize frontend: Dialog

debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)

debconf: falling back to frontend: Readline

Updating certificates in /etc/ssl/certs...

137 added, 0 removed; done.

Setting up ssl-cert (1.1.2) ...

debconf: unable to initialize frontend: Dialog

debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)

debconf: falling back to frontend: Readline

Setting up libgdbm-compat4:amd64 (1.23-1) ...

Setting up libcurl4:amd64 (7.81.0-1ubuntu1.16) ...

Setting up libxml2:amd64 (2.9.13+dfsg-1ubuntu0.4) ...

Setting up apache2-utils (2.4.52-1ubuntu4.9) ...

Setting up libperl5.34:amd64 (5.34.0-3ubuntu1.3) ...

Setting up libaprutil1-ldap:amd64 (1.6.1-5ubuntu4.22.04.2) ...

Setting up perl (5.34.0-3ubuntu1.3) ...

Setting up mailcap (3.70+nmu1ubuntu1) ...

Setting up mime-support (3.66) ...

Setting up apache2-bin (2.4.52-1ubuntu4.9) ...

Setting up apache2 (2.4.52-1ubuntu4.9) ...

Enabling module mpm\_event.

Enabling module authz\_core.

Enabling module authz\_host.

Enabling module authn\_core.

Enabling module auth\_basic.

Enabling module access\_compat.

Enabling module authn\_file.

Enabling module authz\_user.

Enabling module alias.

Enabling module dir.

Enabling module autoindex.

Enabling module env.

Enabling module mime.

Enabling module negotiation.

Enabling module setenvif.

Enabling module filter.

Enabling module deflate.

Enabling module status.

Enabling module reqtimeout.

Enabling conf charset.

Enabling conf localized-error-pages.

Enabling conf other-vhosts-access-log.

Enabling conf security.

Enabling conf serve-cgi-bin.

Enabling site 000-default.

invoke-rc.d: could not determine current runlevel

invoke-rc.d: policy-rc.d denied execution of start.

Processing triggers for libc-bin (2.35-0ubuntu3.6) ...

Processing triggers for ca-certificates (20230311ubuntu0.22.04.1) ...

Updating certificates in /etc/ssl/certs...

0 added, 0 removed; done.

Running hooks in /etc/ca-certificates/update.d...

done.

root@a9df3d19dd53:/# exit

exit

[root@ip-172-31-22-207 ec2-user]# docker start my-apache-container

my-apache-container

[root@ip-172-31-22-207 ec2-user]# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

a9df3d19dd53 ubuntu "/bin/bash" About a minute ago Up 4 seconds 0.0.0.0:80->80/tcp, :::80->80/tcp my-apache-container

[root@ip-172-31-22-207 ec2-user]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 7af9ba4f0a47 13 days ago 77.9MB

[root@ip-172-31-22-207 ec2-user]# docker exec -it my-apache-container /bin/bash

root@a9df3d19dd53:/# service apache2 status

\* apache2 is not running

root@a9df3d19dd53:/# service apache2 start

\* Starting Apache httpd web server apache2 AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive globally to suppress this message

\*

root@a9df3d19dd53:/# service apache2 status

\* apache2 is running

root@a9df3d19dd53:/# exit

exit

[root@ip-172-31-22-207 ec2-user]#