USECASE 1

yashaswee@yashaswee-VirtualBox:~$ ssh -i Demo.pem ec2-user@ec2-3-84-232-18.compute-1.amazonaws.com

Last login: Sun Apr 28 06:44:50 2019 from 49.32.223.189

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\_| ( / Amazon Linux AMI

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https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/

[ec2-user@ip-172-31-94-245 ~]$ cd docker1

[ec2-user@ip-172-31-94-245 docker1]$ vim Dockerfile

[ec2-user@ip-172-31-94-245 docker1]$ vim app.html

[ec2-user@ip-172-31-94-245 docker1]$ vim Dockerfile

[ec2-user@ip-172-31-94-245 docker1]$ vim index.html

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker run --name my\_first\_apache\_instance -i -t clever

Unable to find image 'clever:latest' locally

docker: Error response from daemon: pull access denied for clever, repository does not exist or may require 'docker login'.

See 'docker run --help'.

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker build -t usecase1 .

Sending build context to Docker daemon 7.68kB

Step 1/16 : FROM ubuntu:18.04

18.04: Pulling from library/ubuntu

Digest: sha256:d26d529daa4d8567167181d9d569f2a85da3c5ecaf539cace2c6223355d69981

Status: Downloaded newer image for ubuntu:18.04

---> d131e0fa2585

Step 2/16 : MAINTAINER Faithful <faithful@infused.io>

---> Running in c81cd23ffbe5

Removing intermediate container c81cd23ffbe5

---> 9ebda5dc8029

Step 3/16 : RUN apt-get update && apt-get install -y apache2 && apt-get clean && rm -rf /var/lib/apt/lists/\*

---> Running in 33119f2d28be

Get:1 http://archive.ubuntu.com/ubuntu bionic InRelease [242 kB]

Get:2 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]

Get:3 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [5436 B]

Get:4 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]

Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [416 kB]

Get:6 http://archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]

Get:7 http://archive.ubuntu.com/ubuntu bionic/main amd64 Packages [1344 kB]

Get:8 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 Packages [4171 B]

Get:9 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [304 kB]

Get:10 http://archive.ubuntu.com/ubuntu bionic/restricted amd64 Packages [13.5 kB]

Get:11 http://archive.ubuntu.com/ubuntu bionic/multiverse amd64 Packages [186 kB]

Get:12 http://archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [11.3 MB]

Get:13 http://archive.ubuntu.com/ubuntu bionic-updates/restricted amd64 Packages [10.8 kB]

Get:14 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [774 kB]

Get:15 http://archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1106 kB]

Get:16 http://archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 Packages [7238 B]

Get:17 http://archive.ubuntu.com/ubuntu bionic-backports/universe amd64 Packages [3659 B]

Get:18 http://archive.ubuntu.com/ubuntu bionic-backports/main amd64 Packages [942 B]

Fetched 16.0 MB in 3s (6063 kB/s)

Reading package lists...

Reading package lists...

Building dependency tree...

Reading state information...

The following additional packages will be installed:

apache2-bin apache2-data apache2-utils file libapr1 libaprutil1

libaprutil1-dbd-sqlite3 libaprutil1-ldap libasn1-8-heimdal libexpat1

libgdbm-compat4 libgdbm5 libgssapi3-heimdal libhcrypto4-heimdal

libheimbase1-heimdal libheimntlm0-heimdal libhx509-5-heimdal libicu60

libkrb5-26-heimdal libldap-2.4-2 libldap-common liblua5.2-0 libmagic-mgc

libmagic1 libnghttp2-14 libperl5.26 libroken18-heimdal libsasl2-2

libsasl2-modules libsasl2-modules-db libsqlite3-0 libssl1.1 libwind0-heimdal

libxml2 mime-support netbase openssl perl perl-modules-5.26 ssl-cert

xz-utils

Suggested packages:

www-browser apache2-doc apache2-suexec-pristine | apache2-suexec-custom ufw

gdbm-l10n libsasl2-modules-gssapi-mit | libsasl2-modules-gssapi-heimdal

libsasl2-modules-ldap libsasl2-modules-otp libsasl2-modules-sql

ca-certificates perl-doc libterm-readline-gnu-perl

| libterm-readline-perl-perl make openssl-blacklist

The following NEW packages will be installed:

apache2 apache2-bin apache2-data apache2-utils file libapr1 libaprutil1

libaprutil1-dbd-sqlite3 libaprutil1-ldap libasn1-8-heimdal libexpat1

libgdbm-compat4 libgdbm5 libgssapi3-heimdal libhcrypto4-heimdal

libheimbase1-heimdal libheimntlm0-heimdal libhx509-5-heimdal libicu60

libkrb5-26-heimdal libldap-2.4-2 libldap-common liblua5.2-0 libmagic-mgc

libmagic1 libnghttp2-14 libperl5.26 libroken18-heimdal libsasl2-2

libsasl2-modules libsasl2-modules-db libsqlite3-0 libssl1.1 libwind0-heimdal

libxml2 mime-support netbase openssl perl perl-modules-5.26 ssl-cert

xz-utils

0 upgraded, 42 newly installed, 0 to remove and 2 not upgraded.

Need to get 20.8 MB of archives.

After this operation, 98.7 MB of additional disk space will be used.

Get:1 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 perl-modules-5.26 all 5.26.1-6ubuntu0.3 [2763 kB]

Get:2 http://archive.ubuntu.com/ubuntu bionic/main amd64 libgdbm5 amd64 1.14.1-6 [26.0 kB]

Get:3 http://archive.ubuntu.com/ubuntu bionic/main amd64 libgdbm-compat4 amd64 1.14.1-6 [6084 B]

Get:4 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libperl5.26 amd64 5.26.1-6ubuntu0.3 [3527 kB]

Get:5 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 perl amd64 5.26.1-6ubuntu0.3 [201 kB]

Get:6 http://archive.ubuntu.com/ubuntu bionic/main amd64 mime-support all 3.60ubuntu1 [30.1 kB]

Get:7 http://archive.ubuntu.com/ubuntu bionic/main amd64 libapr1 amd64 1.6.3-2 [90.9 kB]

Get:8 http://archive.ubuntu.com/ubuntu bionic/main amd64 libexpat1 amd64 2.2.5-3 [80.2 kB]

Get:9 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libssl1.1 amd64 1.1.0g-2ubuntu4.3 [1130 kB]

Get:10 http://archive.ubuntu.com/ubuntu bionic/main amd64 libaprutil1 amd64 1.6.1-2 [84.4 kB]

Get:11 http://archive.ubuntu.com/ubuntu bionic/main amd64 libsqlite3-0 amd64 3.22.0-1 [496 kB]

Get:12 http://archive.ubuntu.com/ubuntu bionic/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-2 [10.6 kB]

Get:13 http://archive.ubuntu.com/ubuntu bionic/main amd64 libroken18-heimdal amd64 7.5.0+dfsg-1 [41.3 kB]

Get:14 http://archive.ubuntu.com/ubuntu bionic/main amd64 libasn1-8-heimdal amd64 7.5.0+dfsg-1 [175 kB]

Get:15 http://archive.ubuntu.com/ubuntu bionic/main amd64 libheimbase1-heimdal amd64 7.5.0+dfsg-1 [29.3 kB]

Get:16 http://archive.ubuntu.com/ubuntu bionic/main amd64 libhcrypto4-heimdal amd64 7.5.0+dfsg-1 [85.9 kB]

Get:17 http://archive.ubuntu.com/ubuntu bionic/main amd64 libwind0-heimdal amd64 7.5.0+dfsg-1 [47.8 kB]

Get:18 http://archive.ubuntu.com/ubuntu bionic/main amd64 libhx509-5-heimdal amd64 7.5.0+dfsg-1 [107 kB]

Get:19 http://archive.ubuntu.com/ubuntu bionic/main amd64 libkrb5-26-heimdal amd64 7.5.0+dfsg-1 [206 kB]

Get:20 http://archive.ubuntu.com/ubuntu bionic/main amd64 libheimntlm0-heimdal amd64 7.5.0+dfsg-1 [14.8 kB]

Get:21 http://archive.ubuntu.com/ubuntu bionic/main amd64 libgssapi3-heimdal amd64 7.5.0+dfsg-1 [96.5 kB]

Get:22 http://archive.ubuntu.com/ubuntu bionic/main amd64 libsasl2-modules-db amd64 2.1.27~101-g0780600+dfsg-3ubuntu2 [14.8 kB]

Get:23 http://archive.ubuntu.com/ubuntu bionic/main amd64 libsasl2-2 amd64 2.1.27~101-g0780600+dfsg-3ubuntu2 [49.2 kB]

Get:24 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libldap-common all 2.4.45+dfsg-1ubuntu1.1 [16.6 kB]

Get:25 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libldap-2.4-2 amd64 2.4.45+dfsg-1ubuntu1.1 [155 kB]

Get:26 http://archive.ubuntu.com/ubuntu bionic/main amd64 libaprutil1-ldap amd64 1.6.1-2 [8764 B]

Get:27 http://archive.ubuntu.com/ubuntu bionic/main amd64 liblua5.2-0 amd64 5.2.4-1.1build1 [108 kB]

Get:28 http://archive.ubuntu.com/ubuntu bionic/main amd64 libnghttp2-14 amd64 1.30.0-1ubuntu1 [77.8 kB]

Get:29 http://archive.ubuntu.com/ubuntu bionic/main amd64 libicu60 amd64 60.2-3ubuntu3 [8054 kB]

Get:30 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libxml2 amd64 2.9.4+dfsg1-6.1ubuntu1.2 [663 kB]

Get:31 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2-bin amd64 2.4.29-1ubuntu4.6 [1072 kB]

Get:32 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2-utils amd64 2.4.29-1ubuntu4.6 [83.5 kB]

Get:33 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2-data all 2.4.29-1ubuntu4.6 [160 kB]

Get:34 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2 amd64 2.4.29-1ubuntu4.6 [95.1 kB]

Get:35 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libmagic-mgc amd64 1:5.32-2ubuntu0.2 [184 kB]

Get:36 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 libmagic1 amd64 1:5.32-2ubuntu0.2 [68.5 kB]

Get:37 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 file amd64 1:5.32-2ubuntu0.2 [22.1 kB]

Get:38 http://archive.ubuntu.com/ubuntu bionic/main amd64 netbase all 5.4 [12.7 kB]

Get:39 http://archive.ubuntu.com/ubuntu bionic-updates/main amd64 openssl amd64 1.1.0g-2ubuntu4.3 [532 kB]

Get:40 http://archive.ubuntu.com/ubuntu bionic/main amd64 xz-utils amd64 5.2.2-1.3 [83.8 kB]

Get:41 http://archive.ubuntu.com/ubuntu bionic/main amd64 libsasl2-modules amd64 2.1.27~101-g0780600+dfsg-3ubuntu2 [48.7 kB]

Get:42 http://archive.ubuntu.com/ubuntu bionic/main amd64 ssl-cert all 1.0.39 [17.0 kB]

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

Fetched 20.8 MB in 2s (10.0 MB/s)

Selecting previously unselected package perl-modules-5.26.

(Reading database ... 4040 files and directories currently installed.)

Preparing to unpack .../00-perl-modules-5.26\_5.26.1-6ubuntu0.3\_all.deb ...

Unpacking perl-modules-5.26 (5.26.1-6ubuntu0.3) ...

Selecting previously unselected package libgdbm5:amd64.

Preparing to unpack .../01-libgdbm5\_1.14.1-6\_amd64.deb ...

Unpacking libgdbm5:amd64 (1.14.1-6) ...

Selecting previously unselected package libgdbm-compat4:amd64.

Preparing to unpack .../02-libgdbm-compat4\_1.14.1-6\_amd64.deb ...

Unpacking libgdbm-compat4:amd64 (1.14.1-6) ...

Selecting previously unselected package libperl5.26:amd64.

Preparing to unpack .../03-libperl5.26\_5.26.1-6ubuntu0.3\_amd64.deb ...

Unpacking libperl5.26:amd64 (5.26.1-6ubuntu0.3) ...

Selecting previously unselected package perl.

Preparing to unpack .../04-perl\_5.26.1-6ubuntu0.3\_amd64.deb ...

Unpacking perl (5.26.1-6ubuntu0.3) ...

Selecting previously unselected package mime-support.

Preparing to unpack .../05-mime-support\_3.60ubuntu1\_all.deb ...

Unpacking mime-support (3.60ubuntu1) ...

Selecting previously unselected package libapr1:amd64.

Preparing to unpack .../06-libapr1\_1.6.3-2\_amd64.deb ...

Unpacking libapr1:amd64 (1.6.3-2) ...

Selecting previously unselected package libexpat1:amd64.

Preparing to unpack .../07-libexpat1\_2.2.5-3\_amd64.deb ...

Unpacking libexpat1:amd64 (2.2.5-3) ...

Selecting previously unselected package libssl1.1:amd64.

Preparing to unpack .../08-libssl1.1\_1.1.0g-2ubuntu4.3\_amd64.deb ...

Unpacking libssl1.1:amd64 (1.1.0g-2ubuntu4.3) ...

Selecting previously unselected package libaprutil1:amd64.

Preparing to unpack .../09-libaprutil1\_1.6.1-2\_amd64.deb ...

Unpacking libaprutil1:amd64 (1.6.1-2) ...

Selecting previously unselected package libsqlite3-0:amd64.

Preparing to unpack .../10-libsqlite3-0\_3.22.0-1\_amd64.deb ...

Unpacking libsqlite3-0:amd64 (3.22.0-1) ...

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

Preparing to unpack .../11-libaprutil1-dbd-sqlite3\_1.6.1-2\_amd64.deb ...

Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-2) ...

Selecting previously unselected package libroken18-heimdal:amd64.

Preparing to unpack .../12-libroken18-heimdal\_7.5.0+dfsg-1\_amd64.deb ...

Unpacking libroken18-heimdal:amd64 (7.5.0+dfsg-1) ...

Selecting previously unselected package libasn1-8-heimdal:amd64.

Preparing to unpack .../13-libasn1-8-heimdal\_7.5.0+dfsg-1\_amd64.deb ...

Unpacking libasn1-8-heimdal:amd64 (7.5.0+dfsg-1) ...

Selecting previously unselected package libheimbase1-heimdal:amd64.

Preparing to unpack .../14-libheimbase1-heimdal\_7.5.0+dfsg-1\_amd64.deb ...

Unpacking libheimbase1-heimdal:amd64 (7.5.0+dfsg-1) ...

Selecting previously unselected package libhcrypto4-heimdal:amd64.

Preparing to unpack .../15-libhcrypto4-heimdal\_7.5.0+dfsg-1\_amd64.deb ...

Unpacking libhcrypto4-heimdal:amd64 (7.5.0+dfsg-1) ...

Selecting previously unselected package libwind0-heimdal:amd64.

Preparing to unpack .../16-libwind0-heimdal\_7.5.0+dfsg-1\_amd64.deb ...

Unpacking libwind0-heimdal:amd64 (7.5.0+dfsg-1) ...

Selecting previously unselected package libhx509-5-heimdal:amd64.

Preparing to unpack .../17-libhx509-5-heimdal\_7.5.0+dfsg-1\_amd64.deb ...

Unpacking libhx509-5-heimdal:amd64 (7.5.0+dfsg-1) ...

Selecting previously unselected package libkrb5-26-heimdal:amd64.

Preparing to unpack .../18-libkrb5-26-heimdal\_7.5.0+dfsg-1\_amd64.deb ...

Unpacking libkrb5-26-heimdal:amd64 (7.5.0+dfsg-1) ...

Selecting previously unselected package libheimntlm0-heimdal:amd64.

Preparing to unpack .../19-libheimntlm0-heimdal\_7.5.0+dfsg-1\_amd64.deb ...

Unpacking libheimntlm0-heimdal:amd64 (7.5.0+dfsg-1) ...

Selecting previously unselected package libgssapi3-heimdal:amd64.

Preparing to unpack .../20-libgssapi3-heimdal\_7.5.0+dfsg-1\_amd64.deb ...

Unpacking libgssapi3-heimdal:amd64 (7.5.0+dfsg-1) ...

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

Preparing to unpack .../21-libsasl2-modules-db\_2.1.27~101-g0780600+dfsg-3ubuntu2\_amd64.deb ...

Unpacking libsasl2-modules-db:amd64 (2.1.27~101-g0780600+dfsg-3ubuntu2) ...

Selecting previously unselected package libsasl2-2:amd64.

Preparing to unpack .../22-libsasl2-2\_2.1.27~101-g0780600+dfsg-3ubuntu2\_amd64.deb ...

Unpacking libsasl2-2:amd64 (2.1.27~101-g0780600+dfsg-3ubuntu2) ...

Selecting previously unselected package libldap-common.

Preparing to unpack .../23-libldap-common\_2.4.45+dfsg-1ubuntu1.1\_all.deb ...

Unpacking libldap-common (2.4.45+dfsg-1ubuntu1.1) ...

Selecting previously unselected package libldap-2.4-2:amd64.

Preparing to unpack .../24-libldap-2.4-2\_2.4.45+dfsg-1ubuntu1.1\_amd64.deb ...

Unpacking libldap-2.4-2:amd64 (2.4.45+dfsg-1ubuntu1.1) ...

Selecting previously unselected package libaprutil1-ldap:amd64.

Preparing to unpack .../25-libaprutil1-ldap\_1.6.1-2\_amd64.deb ...

Unpacking libaprutil1-ldap:amd64 (1.6.1-2) ...

Selecting previously unselected package liblua5.2-0:amd64.

Preparing to unpack .../26-liblua5.2-0\_5.2.4-1.1build1\_amd64.deb ...

Unpacking liblua5.2-0:amd64 (5.2.4-1.1build1) ...

Selecting previously unselected package libnghttp2-14:amd64.

Preparing to unpack .../27-libnghttp2-14\_1.30.0-1ubuntu1\_amd64.deb ...

Unpacking libnghttp2-14:amd64 (1.30.0-1ubuntu1) ...

Selecting previously unselected package libicu60:amd64.

Preparing to unpack .../28-libicu60\_60.2-3ubuntu3\_amd64.deb ...

Unpacking libicu60:amd64 (60.2-3ubuntu3) ...

Selecting previously unselected package libxml2:amd64.

Preparing to unpack .../29-libxml2\_2.9.4+dfsg1-6.1ubuntu1.2\_amd64.deb ...

Unpacking libxml2:amd64 (2.9.4+dfsg1-6.1ubuntu1.2) ...

Selecting previously unselected package apache2-bin.

Preparing to unpack .../30-apache2-bin\_2.4.29-1ubuntu4.6\_amd64.deb ...

Unpacking apache2-bin (2.4.29-1ubuntu4.6) ...

Selecting previously unselected package apache2-utils.

Preparing to unpack .../31-apache2-utils\_2.4.29-1ubuntu4.6\_amd64.deb ...

Unpacking apache2-utils (2.4.29-1ubuntu4.6) ...

Selecting previously unselected package apache2-data.

Preparing to unpack .../32-apache2-data\_2.4.29-1ubuntu4.6\_all.deb ...

Unpacking apache2-data (2.4.29-1ubuntu4.6) ...

Selecting previously unselected package apache2.

Preparing to unpack .../33-apache2\_2.4.29-1ubuntu4.6\_amd64.deb ...

Unpacking apache2 (2.4.29-1ubuntu4.6) ...

Selecting previously unselected package libmagic-mgc.

Preparing to unpack .../34-libmagic-mgc\_1%3a5.32-2ubuntu0.2\_amd64.deb ...

Unpacking libmagic-mgc (1:5.32-2ubuntu0.2) ...

Selecting previously unselected package libmagic1:amd64.

Preparing to unpack .../35-libmagic1\_1%3a5.32-2ubuntu0.2\_amd64.deb ...

Unpacking libmagic1:amd64 (1:5.32-2ubuntu0.2) ...

Selecting previously unselected package file.

Preparing to unpack .../36-file\_1%3a5.32-2ubuntu0.2\_amd64.deb ...

Unpacking file (1:5.32-2ubuntu0.2) ...

Selecting previously unselected package netbase.

Preparing to unpack .../37-netbase\_5.4\_all.deb ...

Unpacking netbase (5.4) ...

Selecting previously unselected package openssl.

Preparing to unpack .../38-openssl\_1.1.0g-2ubuntu4.3\_amd64.deb ...

Unpacking openssl (1.1.0g-2ubuntu4.3) ...

Selecting previously unselected package xz-utils.

Preparing to unpack .../39-xz-utils\_5.2.2-1.3\_amd64.deb ...

Unpacking xz-utils (5.2.2-1.3) ...

Selecting previously unselected package libsasl2-modules:amd64.

Preparing to unpack .../40-libsasl2-modules\_2.1.27~101-g0780600+dfsg-3ubuntu2\_amd64.deb ...

Unpacking libsasl2-modules:amd64 (2.1.27~101-g0780600+dfsg-3ubuntu2) ...

Selecting previously unselected package ssl-cert.

Preparing to unpack .../41-ssl-cert\_1.0.39\_all.deb ...

Unpacking ssl-cert (1.0.39) ...

Setting up libapr1:amd64 (1.6.3-2) ...

Setting up libexpat1:amd64 (2.2.5-3) ...

Setting up libicu60:amd64 (60.2-3ubuntu3) ...

Setting up libnghttp2-14:amd64 (1.30.0-1ubuntu1) ...

Setting up mime-support (3.60ubuntu1) ...

Setting up libldap-common (2.4.45+dfsg-1ubuntu1.1) ...

Setting up libsasl2-modules-db:amd64 (2.1.27~101-g0780600+dfsg-3ubuntu2) ...

Setting up libsasl2-2:amd64 (2.1.27~101-g0780600+dfsg-3ubuntu2) ...

Setting up apache2-data (2.4.29-1ubuntu4.6) ...

Setting up libroken18-heimdal:amd64 (7.5.0+dfsg-1) ...

Setting up perl-modules-5.26 (5.26.1-6ubuntu0.3) ...

Setting up libgdbm5:amd64 (1.14.1-6) ...

Setting up libxml2:amd64 (2.9.4+dfsg1-6.1ubuntu1.2) ...

Setting up libmagic-mgc (1:5.32-2ubuntu0.2) ...

Setting up libmagic1:amd64 (1:5.32-2ubuntu0.2) ...

Processing triggers for libc-bin (2.27-3ubuntu1) ...

Setting up libssl1.1:amd64 (1.1.0g-2ubuntu4.3) ...

debconf: unable to initialize frontend: Dialog

debconf: (TERM is not set, so the dialog frontend is not usable.)

debconf: falling back to frontend: Readline

Setting up xz-utils (5.2.2-1.3) ...

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 libaprutil1:amd64 (1.6.1-2) ...

Setting up libheimbase1-heimdal:amd64 (7.5.0+dfsg-1) ...

Setting up openssl (1.1.0g-2ubuntu4.3) ...

Setting up libsqlite3-0:amd64 (3.22.0-1) ...

Setting up liblua5.2-0:amd64 (5.2.4-1.1build1) ...

Setting up libgdbm-compat4:amd64 (1.14.1-6) ...

Setting up libsasl2-modules:amd64 (2.1.27~101-g0780600+dfsg-3ubuntu2) ...

Setting up netbase (5.4) ...

Setting up libwind0-heimdal:amd64 (7.5.0+dfsg-1) ...

Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.1-2) ...

Setting up apache2-utils (2.4.29-1ubuntu4.6) ...

Setting up libasn1-8-heimdal:amd64 (7.5.0+dfsg-1) ...

Setting up libhcrypto4-heimdal:amd64 (7.5.0+dfsg-1) ...

Setting up ssl-cert (1.0.39) ...

debconf: unable to initialize frontend: Dialog

debconf: (TERM is not set, so the dialog frontend is not usable.)

debconf: falling back to frontend: Readline

Setting up file (1:5.32-2ubuntu0.2) ...

Setting up libhx509-5-heimdal:amd64 (7.5.0+dfsg-1) ...

Setting up libperl5.26:amd64 (5.26.1-6ubuntu0.3) ...

Setting up libkrb5-26-heimdal:amd64 (7.5.0+dfsg-1) ...

Setting up libheimntlm0-heimdal:amd64 (7.5.0+dfsg-1) ...

Setting up perl (5.26.1-6ubuntu0.3) ...

Setting up libgssapi3-heimdal:amd64 (7.5.0+dfsg-1) ...

Setting up libldap-2.4-2:amd64 (2.4.45+dfsg-1ubuntu1.1) ...

Setting up libaprutil1-ldap:amd64 (1.6.1-2) ...

Setting up apache2-bin (2.4.29-1ubuntu4.6) ...

Setting up apache2 (2.4.29-1ubuntu4.6) ...

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 (2.27-3ubuntu1) ...

Removing intermediate container 33119f2d28be

---> ad1d046b9fd4

Step 4/16 : ENV APACHE\_RUN\_USER www-data

---> Running in 630e1fac7960

Removing intermediate container 630e1fac7960

---> c4f03024dd80

Step 5/16 : ENV APACHE\_RUN\_GROUP www-data

---> Running in d75bb7d78f37

Removing intermediate container d75bb7d78f37

---> 05d49be434f7

Step 6/16 : ENV APACHE\_LOG\_DIR /var/log/apache2

---> Running in b54dccd9a566

Removing intermediate container b54dccd9a566

---> feb8f4bc97ae

Step 7/16 : ENV APACHE\_PID\_FILE /var/run/apache2/apache2.pid

---> Running in b3bd4e21a6ab

Removing intermediate container b3bd4e21a6ab

---> e3e80073d7c2

Step 8/16 : ENV APACHE\_RUN\_DIR /var/run/apache2

---> Running in 7e5cf3baf95b

Removing intermediate container 7e5cf3baf95b

---> fe43f9040a4a

Step 9/16 : ENV APACHE\_LOCK\_DIR /var/lock/apache2

---> Running in 1530acc502dd

Removing intermediate container 1530acc502dd

---> 09cd3fd3a17c

Step 10/16 : ENV APACHE\_LOG\_DIR /var/log/apache2

---> Running in f60c23ff601e

Removing intermediate container f60c23ff601e

---> 77d3c6c40623

Step 11/16 : RUN mkdir -p $APACHE\_RUN\_DIR

---> Running in 9c64cae0c959

Removing intermediate container 9c64cae0c959

---> 9526d7ed284a

Step 12/16 : RUN mkdir -p $APACHE\_LOCK\_DIR

---> Running in 87ee00d41ac0

Removing intermediate container 87ee00d41ac0

---> e7996902adc3

Step 13/16 : RUN mkdir -p $APACHE\_LOG\_DIR

---> Running in f4df054b79d8

Removing intermediate container f4df054b79d8

---> ce017bcdbab3

Step 14/16 : COPY index.html /var/www/html

---> 0503b4023466

Step 15/16 : EXPOSE 80

---> Running in e99ebb03ff13

Removing intermediate container e99ebb03ff13

---> f4773881b063

Step 16/16 : CMD ["/usr/sbin/apache2", "-D", "FOREGROUND"]

---> Running in 49c006a5b4aa

Removing intermediate container 49c006a5b4aa

---> 685fac8ba97b

Successfully built 685fac8ba97b

Successfully tagged usecase1:latest

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker run --name apache\_instance -i -t usecase1

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

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker run --name apache\_instance -i -t usecase1

docker: Error response from daemon: Conflict. The container name "/apache\_instance" is already in use by container "e5394cd36864d9ccd19917b9079718c385eb1e5b3e3d332069e013804a9cf670". You have to remove (or rename) that container to be able to reuse that name.

See 'docker run --help'.

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

e5394cd36864 usecase1 "/usr/sbin/apache2 -…" 3 minutes ago Exited (0) 2 minutes ago apache\_instance

f3e1e47258cc flask-sample-one "python app.py" 2 hours ago Created cranky\_chatterjee

e3ad38176c1a flask-sample-one "python app.py" 2 hours ago Created amazing\_proskuriakova

b1517aead23f cd319b357eb7 "/bin/sh -c 'apt-get…" 2 hours ago Exited (100) 2 hours ago xenodochial\_easley

36657f11c1d0 flask-sample-one "python app.py" 20 hours ago Created infallible\_galileo

dfb281e004ef flask-sample-one "python app.py" 20 hours ago Exited (0) About an hour ago serene\_curran

9bd0cac86c40 22bf775b25da "python app.py" 20 hours ago Exited (1) 20 hours ago boring\_kepler

457a74dc4128 98b80974aa44 "/bin/sh -c 'pip ins…" 21 hours ago Exited (1) 21 hours ago nervous\_chebyshev

a5925d226389 cd319b357eb7 "/bin/sh -c 'apt-get…" 21 hours ago Exited (100) 21 hours ago serene\_mahavira

cc3efc98a8a2 hello-world "/hello" 22 hours ago Exited (0) 22 hours ago nostalgic\_khorana

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker run -d -p 80:5000 usecase1

cb6c83129ffaecefe5fa93bbab07fcb4da29bdeb605eb3cfba09f7d518aa3730

[ec2-user@ip-172-31-94-245 docker1]$ ^C

[ec2-user@ip-172-31-94-245 docker1]$

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker run -d \

> --name=container1 \

> -v ubuntu-volume:/home/docker1/index.html \

> ubuntu:latest

955cf7269442e311a98f8d001abf3c45cac8df4fc7d0b1367ec97007f62566a8

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker run -d --name=container2 -v ubuntu-volume:/home/docker1/index.html nginx:latest

2e6a2e82ea1da0e65ac76fc29b96189129d177d285d38a615644f6f60436349b

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

2e6a2e82ea1d nginx:latest "nginx -g 'daemon of…" 6 seconds ago Up 6 seconds 80/tcp container2

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker ps -a

[ec2-user@ip-172-31-94-245 docker1]$ sudo dockerd ps

"dockerd" accepts no argument(s).

See 'dockerd --help'.

Usage: dockerd [OPTIONS]

A self-sufficient runtime for containers.

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker info

Containers: 11

Running: 1

Paused: 0

Stopped: 10

Images: 36

Server Version: 18.06.1-ce

Storage Driver: overlay2

Backing Filesystem: extfs

Supports d\_type: true

Native Overlay Diff: true

Logging Driver: json-file

Cgroup Driver: cgroupfs

Plugins:

Volume: local

Network: bridge host macvlan null overlay

Log: awslogs fluentd gcplogs gelf journald json-file logentries splunk syslog

Swarm: inactive

Runtimes: runc

Default Runtime: runc

Init Binary: docker-init

containerd version: 468a545b9edcd5932818eb9de8e72413e616e86e

runc version: 69663f0bd4b60df09991c08812a60108003fa340

init version: fec3683

Security Options:

seccomp

Profile: default

Kernel Version: 4.14.77-70.59.amzn1.x86\_64

Operating System: Amazon Linux AMI 2018.03

OSType: linux

Architecture: x86\_64

CPUs: 1

Total Memory: 985.8MiB

Name: ip-172-31-94-245

ID: 2BTF:WVZS:5X7M:XIPX:BWLA:WQUJ:OAOO:6M23:BRZD:Q3WP:DFXS:4VNQ

Docker Root Dir: /var/lib/docker

Debug Mode (client): false

Debug Mode (server): false

Registry: https://index.docker.io/v1/

Labels:

Experimental: false

Insecure Registries:

127.0.0.0/8

Live Restore Enabled: false

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

a768d3e1b314 usecase1 "/usr/sbin/apache2 -…" 18 minutes ago Up 18 minutes 80/tcp, 0.0.0.0:80->5000/tcp serene\_galileo

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker stop a768d3e1b314

a768d3e1b314

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

[ec2-user@ip-172-31-94-245 docker1]$ sudo docker run -d -p 80:5000 usecase1

9a9d91126c18169f268e033d8a56fba241c65a0643d4bc280a5b0d496c0d524a

[ec2-user@ip-172-31-94-245 docker1]$ Connection to ec2-3-84-232-18.compute-1.amazonaws.com closed by remote host.

Connection to ec2-3-84-232-18.compute-1.amazonaws.com closed.

yashaswee@yashaswee-VirtualBox:~$