**anamika@PraticeMachine:~$ sudo apt-get update**

Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease

Get:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]

Get:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]

Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]

Get:5 http://azure.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]

Get:6 http://azure.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]

Get:7 http://azure.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]

Get:8 http://azure.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [14 4 kB]

Get:9 http://azure.archive.ubuntu.com/ubuntu focal/multiverse Translation-en [10 4 kB]

Get:10 http://azure.archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metad ata [9136 B]

Get:11 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1086 kB]

Get:12 http://azure.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [239 kB]

Get:13 http://azure.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Met adata [13.7 kB]

Get:14 http://azure.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Pac kages [318 kB]

Get:15 http://azure.archive.ubuntu.com/ubuntu focal-updates/restricted Translati on-en [46.1 kB]

Get:16 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packa ges [840 kB]

Get:17 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe Translation -en [175 kB]

Get:18 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [18.3 kB]

Get:19 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Pac kages [23.6 kB]

Get:20 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse Translati on-en [6472 B]

Get:21 http://azure.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n -f Metadata [648 B]

Get:22 http://azure.archive.ubuntu.com/ubuntu focal-backports/main amd64 Package s [2568 B]

Get:23 http://azure.archive.ubuntu.com/ubuntu focal-backports/main Translation-e n [1120 B]

Get:24 http://azure.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f M etadata [400 B]

Get:25 http://azure.archive.ubuntu.com/ubuntu focal-backports/restricted amd64 c -n-f Metadata [116 B]

Get:26 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Pac kages [5788 B]

Get:27 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe Translati on-en [2060 B]

Get:28 http://azure.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n -f Metadata [288 B]

Get:29 http://azure.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c -n-f Metadata [116 B]

Get:30 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [745 kB]

Get:31 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [148 kB]

Get:32 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadat a [8036 B]

Get:33 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Package s [282 kB]

Get:34 http://security.ubuntu.com/ubuntu focal-security/restricted Translation-e n [40.9 kB]

Get:35 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [629 kB]

Get:36 http://security.ubuntu.com/ubuntu focal-security/universe Translation-en [96.2 kB]

Get:37 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Met adata [11.6 kB]

Get:38 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Package s [19.9 kB]

Get:39 http://security.ubuntu.com/ubuntu focal-security/multiverse Translation-e n [4316 B]

Get:40 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 c-n-f M etadata [528 B]

Fetched 19.4 MB in 3s (6360 kB/s)

Reading package lists... Done

**anamika@PraticeMachine:~$ sudo apt-get install \**

**> apt-transport-https \**

**> ca-certificates \**

**> curl \**

**> gnupg \**

**> lsb-release**

Reading package lists... Done

Building dependency tree

Reading state information... Done

lsb-release is already the newest version (11.1.0ubuntu2).

lsb-release set to manually installed.

ca-certificates is already the newest version (20210119~20.04.1).

ca-certificates set to manually installed.

curl is already the newest version (7.68.0-1ubuntu2.5).

curl set to manually installed.

gnupg is already the newest version (2.2.19-3ubuntu2.1).

gnupg set to manually installed.

The following NEW packages will be installed:

apt-transport-https

0 upgraded, 1 newly installed, 0 to remove and 12 not upgraded.

Need to get 4680 B of archives.

After this operation, 162 kB of additional disk space will be used.

Do you want to continue? [Y/n] Y

Get:1 http://azure.archive.ubuntu.com/ubuntu focal-updates/universe amd64 apt-transport-https all 2.0.6 [4680 B]

Fetched 4680 B in 0s (201 kB/s)

Selecting previously unselected package apt-transport-https.

(Reading database ... 59511 files and directories currently installed.)

Preparing to unpack .../apt-transport-https\_2.0.6\_all.deb ...

Unpacking apt-transport-https (2.0.6) ...

Setting up apt-transport-https (2.0.6) ...

**anamika@PraticeMachine:~$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg**

**------------------------------------------------------**

**anamika@PraticeMachine:~$ 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**

**------------------------------------------------------**

**anamika@PraticeMachine:~$ sudo apt-get update**

Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease

Get:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]

Get:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]

Get:4 https://download.docker.com/linux/ubuntu focal InRelease [52.1 kB]

Hit:5 http://security.ubuntu.com/ubuntu focal-security InRelease

Get:6 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages [9960 B]

Fetched 276 kB in 0s (659 kB/s)

Reading package lists... Done

**anamika@PraticeMachine:~$ sudo apt-get install docker-ce docker-ce-cli containerd.io**

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following additional packages will be installed:

docker-ce-rootless-extras docker-scan-plugin pigz slirp4netns

Suggested packages:

aufs-tools cgroupfs-mount | cgroup-lite

The following NEW packages will be installed:

containerd.io docker-ce docker-ce-cli docker-ce-rootless-extras docker-scan-plugin pigz

slirp4netns

0 upgraded, 7 newly installed, 0 to remove and 12 not upgraded.

Need to get 108 MB of archives.

After this operation, 466 MB of additional disk space will be used.

Do you want to continue? [Y/n] Y

Get:1 http://azure.archive.ubuntu.com/ubuntu focal/universe amd64 pigz amd64 2.4-1 [57.4 kB]

Get:2 http://azure.archive.ubuntu.com/ubuntu focal/universe amd64 slirp4netns amd64 0.4.3-1 [74.3 kB]

Get:3 https://download.docker.com/linux/ubuntu focal/stable amd64 containerd.io amd64 1.4.6-1 [28.3 MB]

Get:4 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-cli amd64 5:20.10.7~3-0~ubuntu-focal [41.4 MB]

Get:5 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce amd64 5:20.10.7~3-0~ubuntu-focal [24.8 MB]

Get:6 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-rootless-extras amd64 5:20.10.7~3-0~ubuntu-focal [9063 kB]

Get:7 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-scan-plugin amd64 0.8.0~ubuntu-focal [3889 kB]

Fetched 108 MB in 1s (74.6 MB/s)

Selecting previously unselected package pigz.

(Reading database ... 59515 files and directories currently installed.)

Preparing to unpack .../0-pigz\_2.4-1\_amd64.deb ...

Unpacking pigz (2.4-1) ...

Selecting previously unselected package containerd.io.

Preparing to unpack .../1-containerd.io\_1.4.6-1\_amd64.deb ...

Unpacking containerd.io (1.4.6-1) ...

Selecting previously unselected package docker-ce-cli.

Preparing to unpack .../2-docker-ce-cli\_5%3a20.10.7~3-0~ubuntu-focal\_amd64.deb ...

Unpacking docker-ce-cli (5:20.10.7~3-0~ubuntu-focal) ...

Selecting previously unselected package docker-ce.

Preparing to unpack .../3-docker-ce\_5%3a20.10.7~3-0~ubuntu-focal\_amd64.deb ...

Unpacking docker-ce (5:20.10.7~3-0~ubuntu-focal) ...

Selecting previously unselected package docker-ce-rootless-extras.

Preparing to unpack .../4-docker-ce-rootless-extras\_5%3a20.10.7~3-0~ubuntu-focal\_amd64.deb ...

Unpacking docker-ce-rootless-extras (5:20.10.7~3-0~ubuntu-focal) ...

Selecting previously unselected package docker-scan-plugin.

Preparing to unpack .../5-docker-scan-plugin\_0.8.0~ubuntu-focal\_amd64.deb ...

Unpacking docker-scan-plugin (0.8.0~ubuntu-focal) ...

Selecting previously unselected package slirp4netns.

Preparing to unpack .../6-slirp4netns\_0.4.3-1\_amd64.deb ...

Unpacking slirp4netns (0.4.3-1) ...

Setting up slirp4netns (0.4.3-1) ...

Setting up docker-scan-plugin (0.8.0~ubuntu-focal) ...

Setting up containerd.io (1.4.6-1) ...

Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.

Setting up docker-ce-cli (5:20.10.7~3-0~ubuntu-focal) ...

Setting up pigz (2.4-1) ...

Setting up docker-ce-rootless-extras (5:20.10.7~3-0~ubuntu-focal) ...

Setting up docker-ce (5:20.10.7~3-0~ubuntu-focal) ...

Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.

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

Processing triggers for man-db (2.9.1-1) ...

**DOCKER INSTALLED**

**INSTALL AZURE CLI**

Processing triggers for systemd (245.4-4ubuntu3.7) ...

**anamika@PraticeMachine:~$ curl -sL https://aka.ms/InstallAzureCLIDeb | sudo bash**

Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease

Hit:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease

Hit:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease

Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease

Hit:5 https://download.docker.com/linux/ubuntu focal InRelease

Reading package lists... Done

Reading package lists... Done

Building dependency tree

Reading state information... Done

lsb-release is already the newest version (11.1.0ubuntu2).

curl is already the newest version (7.68.0-1ubuntu2.5).

gnupg is already the newest version (2.2.19-3ubuntu2.1).

apt-transport-https is already the newest version (2.0.6).

0 upgraded, 0 newly installed, 0 to remove and 12 not upgraded.

Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease

Hit:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease

Hit:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease

Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease

Get:5 https://packages.microsoft.com/repos/azure-cli focal InRelease [10.4 kB]

Hit:6 https://download.docker.com/linux/ubuntu focal InRelease

Get:7 https://packages.microsoft.com/repos/azure-cli focal/main amd64 Packages [6111 B]

Fetched 16.5 kB in 1s (33.0 kB/s)

Reading package lists... Done

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following NEW packages will be installed:

azure-cli

0 upgraded, 1 newly installed, 0 to remove and 12 not upgraded.

Need to get 64.6 MB of archives.

After this operation, 946 MB of additional disk space will be used.

Get:1 https://packages.microsoft.com/repos/azure-cli focal/main amd64 azure-cli all 2.26.0-1~focal [64.6 MB]

Fetched 64.6 MB in 1s (44.1 MB/s)

Selecting previously unselected package azure-cli.

(Reading database ... 59765 files and directories currently installed.)

Preparing to unpack .../azure-cli\_2.26.0-1~focal\_all.deb ...

Unpacking azure-cli (2.26.0-1~focal) ...

Setting up azure-cli (2.26.0-1~focal) ...

**anamika@PraticeMachine:~$ az login**

To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code A7BHXMAB6 to authenticate.

The following tenants require Multi-Factor Authentication (MFA). Use 'az login --tenant TENANT\_ID' to explicitly login to a tenant.

9632ce8f-f554-45b9-bea0-5ed943e30492 'Default Directory'

No subscriptions found.

**anamika@PraticeMachine:~$ az login --tenant 9632ce8f-f554-45b9-bea0-5ed943e30492**

To sign in, use a web browser to open the page https://microsoft.com/devicelogin and enter the code HSSBUHCMP to authenticate.

[

{

"cloudName": "AzureCloud",

"homeTenantId": "9632ce8f-f554-45b9-bea0-5ed943e30492",

"id": "4da668ff-21ba-4a01-bf4b-3a139e613d74",

"isDefault": true,

"managedByTenants": [],

"name": "Azure Pass - Sponsorship",

"state": "Enabled",

"tenantId": "9632ce8f-f554-45b9-bea0-5ed943e30492",

"user": {

"name": "t-anamika.sawhney@outlook.com",

"type": "user"

}

}

]

**anamika@PraticeMachine:~$ az acr login -n cr1anmaika --expose-token**

You can perform manual login using the provided access token below, for example: 'docker login loginServer -u 00000000-0000-0000-0000-000000000000 -p accessToken'

{

"accessToken": "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCIsImtpZCI6IkVERFE6SFVYWDpMQzQ3OlpCUk06T0k0WTpPUjY2OkFVWko6Qlk3RTo3N0pWOjU0UlI6UU1BSzpOTDI1In0..HUpH4XYRlOMRAoZBVAU5Jy5PEmJpdSIrhRU7Yocpkij4Z9Mfcuz2yZhozgwWkykFvcY65M6DtGhT6Q\_de7MeH-49H2uQNH0VdJwqapokQZoPK6xoSkEr996UPwon7CIpMw8VyEJF47Jfc\_OTSzA27zeXf3UgTm3KySm52\_antnB2tIzoBAaWX7qmWGXKHc3vIYKZbb2E32uJQF2rOn4r5zLgcMprbJc9QVLzw9DZpfAdDYxwu7cuuffuISDXNntwfEH0P3HwhqN2MEuk4OU6XXThaSZHs4misKs6pcFyJ8KhDIBYWvJzesJedG5-9pmCuRdrnCo7mEZsY2w7x942Ng",

"loginServer": "cr1anmaika.azurecr.io"

}

**anamika@PraticeMachine:~$ az acr login -n cr1anmaika.azurecr.io -u cr1anmaika -p 65fzp0m5WNlhA+sxj6kXnW2O/xyfpX3N**

**anamika@PraticeMachine:~$ sudo az acr login -n cr1anmaika.azurecr.io -u cr1anmaika -p 65fzp0m5WNlhA+sxj6kXnW2O/xyfpX3N**

The login server endpoint suffix '.azurecr.io' is automatically omitted.

Login Succeeded

WARNING! Your password will be stored unencrypted in /root/.docker/config.json.

Configure a credential helper to remove this warning. See

https://docs.docker.com/engine/reference/commandline/login/#credentials-store

**anamika@PraticeMachine:~$ az acr list --resource-group Rg --query "[].{acrLoginServer:loginServer}" --output table AcrLoginServer**

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

cr1anmaika.azurecr.io

anamika@PraticeMachine:~$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

anamika@PraticeMachine:~$ sudo docker pull hello-world

Using default tag: latest

latest: Pulling from library/hello-world

b8dfde127a29: Pull complete

Digest: sha256:9f6ad537c5132bcce57f7a0a20e317228d382c3cd61edae14650eec68b2b345c

Status: Downloaded newer image for hello-world:latest

docker.io/library/hello-world:latest

**anamika@PraticeMachine:~$ sudo docker tag hello-world cr1anmaika.azurecr.io/hello-world:v1**

**anamika@PraticeMachine:~$ sudo docker push cr1anmaika.azurecr.io/hello-world:v1**

The push refers to repository [cr1anmaika.azurecr.io/hello-world]

f22b99068db9: Pushed

v1: digest: sha256:1b26826f602946860c279fce658f31050cff2c596583af237d971f4629b57792 size: 525

anamika@PraticeMachine:~$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

cr1anmaika.azurecr.io/hello-world v1 d1165f221234 4 months ago 13.3kB

hello-world latest d1165f221234 4 months ago 13.3kB

anamika@PraticeMachine:~$ sudo docker d1165f221234

docker: 'd1165f221234' is not a docker command.

See 'docker --help'

anamika@PraticeMachine:~$ sudo docker rmi d1165f221234

Error response from daemon: conflict: unable to delete d1165f221234 (must be forced) - image is referenced in multiple repositories

anamika@PraticeMachine:~$ sudo docker rmi -f d1165f221234

Untagged: cr1anmaika.azurecr.io/hello-world:v1

Untagged: cr1anmaika.azurecr.io/hello-world@sha256:1b26826f602946860c279fce658f31050cff2c596583af237d971f4629b57792

Untagged: hello-world:latest

Untagged: hello-world@sha256:9f6ad537c5132bcce57f7a0a20e317228d382c3cd61edae14650eec68b2b345c

Deleted: sha256:d1165f2212346b2bab48cb01c1e39ee8ad1be46b87873d9ca7a4e434980a7726

Deleted: sha256:f22b99068db93900abe17f7f5e09ec775c2826ecfe9db961fea68293744144bd

anamika@PraticeMachine:~$ sudo docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

anamika@PraticeMachine:~$ sudo docker pull cr1anmaika.azurecr.io/hello-world:v1

v1: Pulling from hello-world

b8dfde127a29: Pull complete

Digest: sha256:1b26826f602946860c279fce658f31050cff2c596583af237d971f4629b57792

Status: Downloaded newer image for cr1anmaika.azurecr.io/hello-world:v1

cr1anmaika.azurecr.io/hello-world:v1

anamika@PraticeMachine:~$