**DOCKER INSTALLATION AND (PULL AND PUSH THE IMAGE TO GCR)**

**INSTALLATION METHOD:**

sudo apt-get update

sudo apt-get install \

ca-certificates \

curl \

gnupg \

lsb-release

**Add Docker’s official GPG key:(BASED ON OS)**

sudo mkdir -m 0755 -p /etc/apt/keyrings

curl -fsSL <https://download.docker.com/linux/debian/gpg> | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg

**Use the following command to set up the repository:**

echo \

"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg] <https://download.docker.com/linux/debian> \

$(lsb\_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

**INSTALLATION:**

STEP 1:sudo apt-get update

STEP 2:sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

**FOR VERIFY DOCKER:**

**USE:**sudo docker run hello-world

**SOME OF THE DOCKER COMMANDS:**

**RUNNING COMMAND(EXAMPLES):** SUDO DOCKER RUN HELLO-WORLD

SUDO DOCKER RUN BUSY BOX

SUDO DOCKER RUN HTTPD#WEB SERVER

SUDO DOCKER RUN UBANTU

**CONTAINER LIST :** SUDO DOCKER PS

SUDO DOCKER PS -A

SUDO DOCKER CONTAINERS LS

**RUN COMMAND SPECIFICATION :**SUDO DOCKER RUN HELLO-WORLD

ACTION: PULL IMAGE + CONTAINER CREATE+START

**PULL XOMMAND SPECIFICATION :**SUDO DOCKER PULL HELLOW-WORLD

ACTION:PULL IMAGE

**CREATE COMMAND SPECIFICATION:**SUDO DOCKER CONTAINER CREATE HTTPD

ACTION:PULL IMAGE +CREATE CONTAINER

NOTE: SUDO DOCKER CONTAINER START CONTAINER ID ( START THE CONTAINER)

**DOCKER IMAGE PULL AND PUSH TO GCR:(busybox) (**

sudo docker pull busybox

sudo docker tag busybox gcr.io/my-project/busybox

sudo docker push gcr.io/my-project/busybox

(gcloud builds submit -t gcr.io/my-project/busybox:tag

sudo docker push gcr.io/project-id/busybox)