Why Should we use Docker: Get Required Sofware · Find out the right sofware · Download the installer s run it Get Error · Connot install on this Throchine may be. · Installer require Python 36 Troubleshoot issue Re sur installer . Get another error.

Docker

Pocker is an open platform for developing, Shipping and running applications. Docker enables you to seprote your application from your infrastructure so you can deliver software quickly.

The Docker platform:

Docker provides the ability to package and run application in loosely isolated environment called a container. Container are light and can contain

lightweight and can contain everything needed to run application, so you do not neede to rely on what is currently installed on

the host.

Images: An image is a read-only template with instruction for creating docker container. For example you may build image ubuntu image, but install Apache web server and your application, as well as the configured details needed to make your image appli-Containers: A container is a runable instance of an image. you can create, Start, stop, move, or delete a container using docker client. A container is defined by its image as well as any configuration applic option provide to it when you create or startit.

The Docker daemon: The Docker dalmon listen for Dockel client request and manage Docker objects like images, container etc. The Docker client: The client is primary way that many Docker user interect with Docker. When you use commands like docker run the client send these command to Daker dagmon Docker registries: A Docker registry stores locker images. , containers, vetworks etc. Docker Hub is public registry that anyone com-use. When you use docker bull or docker run command

the sequired images are bulled from your configure registory. When you use docker push command the required images are bush from the configured registory.

Let Pocker architecture Docker uses client server orchitecture. The docker client talks to the docker daemon which does the heavy lifting of building, runing and distributing your Docker containers. The Docker client an deamon run the same system, or you can connect a docker dient with a remote Docker deamon client docker build docker pull docker sum Docker daemon Images Docker

Example "docker rum comm-The following command surs an abunta container, attack interectively to your command line \$ docker run -i -t about a /bin/bash when you run this command following happens: 1. if you don't have abanta image it pull it from Docker hub registory 2- Docker create a ne container, as though you had run "docker container create" command. 3. Docker allocated a read write file system to the container 4. Docker create a network interface to connect the container to default network.

5. Docker Start the container and execute bin bash, and attach to the terminal because of "-1" and "-t" flag.

6- When you type "exit"

to terminate the /bin/bosh command, the container Stops but not removed.