**WHAT IS DOCKET**

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docker is open source containeer contarization

developer to package application into container standarized executable components that combination app source all operating system

1.docker is a international is transport import and export

2.docker is container container means box

3,container means computer

**IMPORTANT ROLE FOR DOCKER**

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3types

1.os-level virtulazations---------- vm role and docker role

2.union files systems ------------ can't do anything share

3.layered architectures------------can do anthing share

**DOCKER BENEFITS**

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\*containerzation (os/level virtualazation) (need guest os)

\*no pre-allocation of ram

\*can replicate same enviroment

\*less weight and fast to fireup can ru on phycial virtual cloud

**DOCKER COMPONENT**

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docker image:container very small and allmost negligible software

docker container: container mechine which is create from docker image

docker file: describle stpes to create docker image

**DOCKER INSTALLATION**

yum install docker -y

service docket start

service docke status

docker --version

**COMMANDS**

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docker info -------- information all dockers content

docker image-------- all dockers images content

docker ps -------- dockers process list

docker ps -a dockers running and stop containers

**CONTAINET LIST CREATE**

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docker run -it ubuntu /etc/bash

docker run -it ubuntu /etc/bash

cat /etc/os -release creare ubuntu contaibner

cat /etc/os - release

docker run -it chef/chefdk /bin/bash---------- download chef

cat /etc/os -release

docker pull jenkins/jenkins

**DOCKER FILE RENAME----**

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docker rename (container name are contianer id)

docker rename recursing\_core "devops content"

**CONTAINER START AND STOP DELEATE**

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docker start container are and id

docker stop continer are and id

docker rm container id are name