Docker Commands

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| Command | Description |
| docker --version | To test docker installation |
| docker run hello-world | Pull the hello-world image from Docker Hub and run a container |
| docker build –t <image\_name> <dockerfile\_path>  docker build -t <image\_name>:TagName <dockerfile\_path>  docker build –t <image\_name> .  docker build –f <dockerfile\_path> -t <img\_name> .  **-t** − is to mention a tag to the image  . is placed when docker file is in present working directory | To create docker image from docker file. |
| docker run –d <img\_name>: tag  docker run –d <img\_name> or <img\_id>  docker run –d –p 8001:8001 –name <container\_name> <img\_name>  -d (detach mode)  -p(map the port number) 8001:8001 expose the container within 8001 | To run the container in the background. |
| docker ps | List all the running docker containers in local machine |
| docker ps –a | List all the docker containers in local machine |
| docker images or docker image ls | List all the images |
| docker images -q | List all the image IDs |
| docker stop container\_id/container\_name | To stop the running container |
| docker start container\_id/container\_name | To start the stopped container |
| docker rm container\_id/container\_name  docker container rm container\_id/container\_name | To remove the container |
| Docker image rm image\_id/image\_name | To remove image |
| docker pull <img\_name> | Pulls an image or a repository from a registry |
| docker push | Pushes an image or a repository to a registry |
| docker export | Exports a container’s file system as a tar archive |
| docker exec | Runs a command in a run-time container |
| docker search | Searches the Docker Hub for images |
| docker attach | Attaches to a running container |
| docker commit | Creates a new image from a container’s changes |
| docker inspect image/container\_id | Return some low level information in the json array form(Img\_id,IP address etc) or see the details of an image or container |
| Docker history image/id | how all the commands that were run against the image |
| docker --help  docker container –help  docker container ls –help  docker build --help  docker run --help | Help commands |
| docker top Container/ID | To see the top process with in the container |
| docker stats Container/ID | is used to provide the statistics of a running container. |
| docker pause ContainerID  docker unpause ContainerID | Pause and Un Pause the processes in the container. |
| docker kill ContainerID | To kill the process in the running container |
| service docker stop  service docker start | This command is used to stop the Docker daemon process.  This command is used to start the Docker daemon process. |

Note: **─it** is used run in **interactive mode**.

**/bin/bash** is used to run the bash shel

Docker Network Commands

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| Command | Description |
| docker network ls | Listing All Docker Networks |
| docker network inspect networkname(bridge/host/none) | Inspecting a Docker network  List all the containers attached to the Network. |
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