Docker Commands

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Docker Version

```
docker version
```

List the running containers

```
docker ps
```

Listing both running and stopped Containers

```
docker ps -a
```

Pulling the Docker image

```
docker pull <image-name>
```

Run the Docker Image

```
docker run -itd <image-name:tag>
```

Docker Attach

```
docker attach <image-id>
```

Docker Build Command

```
docker build -t .
```

Open image Bash

```
docker run -itd <imagename> bash
```

Inspect the Image

```
docker inspect <image-id>
```

Remove the Image

```
docker rmi <Image-id>
```

Remove the Container

```
docker rm <container-Id>
```

Docker commits

```
docker commit <ImageID> name:tag
```

Docker Export

```
docker export <Container-id> > File.tar
```

Docker Import

```
docker import [OPTIONS] file|URL|- [REPOSITORY[:TAG]]
```

> ✏️ **Note**
>
> - `file|URL|-`: Specifies the file or URL to import as a Docker image. This can be a local file path, a remote URL, or a hyphen (`-`) to indicate that the input should be read from STDIN.
>
> - `REPOSITORY[:TAG]`: Specifies the name and optional tag to give to the new Docker image. If the tag is not specified, it defaults to `latest`.

- `OPTIONS`: Specifies any additional options to use when creating the image. Some common options include:

  - `--change`: Applies Dockerfile instructions to the image after importing.
  - `--message`: Adds a commit message to the image's metadata.
  - `--platform`: Sets the platform of the image (e.g., `linux/amd64`, `linux/arm/v7`, etc.).
  - `--quiet`: Suppresses output except for the image ID.

Docker Save

```
docker save imagename:tagname > filename.tar
```

Docker Load

```
docker load < file.tar
```

Docker run with Volume

```
docker run -v <Host-folder>:<Image-folder> --name <Name> -e<env-key>=<env-value> -d <image>
```

Docker kill commands

```
docker kill <imageid/ContainerID/Name>
```