

Basic Docker commands

<code>docker --help</code>	Displays basic help options and commands
<code>docker <command> --help</code>	Display detailed help for a specific command
<code>docker ps</code>	List of live containers
<code>docker ps -a</code>	List of all containers
<code>docker version</code>	Display docker versioning

Container commands

<code>docker run <image></code>	Builds a new container using the image
<code>docker run [options] <image:tag@digest> <command> <arguments></code>	Full syntax of docker run command
<code>docker create <image>:<tag></code>	Creates a container using the image
<code>docker start <container></code>	Starts a container
<code>docker stop <container></code>	Stops a running container in an orderly manner
<code>docker kill <container></code>	Immediately stops a running container
<code>docker restart <container></code>	Restarts a container
<code>docker rm <container></code>	Removes a container

<container> can be replaced with the containers unique **ID** or unique **NAME**

Option Keywords

<code>-i, --interactive</code>	Keep STDIN open even if not attached
<code>-t, --tty</code>	Allocate a pseudo-TTY
<code>-it</code>	Combines the <code>-i</code> and the <code>-t</code> options (interactive response)
<code>-a</code>	attach
<code>exec</code>	Run a new command in a container

arguments

<code>--name=<name></code>	Assigns a name to a container: <code>docker run --name=<name> <image></code>
<code>-a, --all</code>	Adds the option of all to container list: <code>docker ps -a</code>
<code>sh</code>	Entrypoint command for a shell in a container: <code>docker run -it <image> sh</code> or <code>docker exec -it <container> sh</code>

Miscellaneous Commands

<code>docker exec -it <container> <entrypoint></code>	Executes the command or terminal of a running container
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