

Run and exec command

Docker run

The docker run command first creates a writeable container layer over the specified image, and then starts it using the specified command. That is, docker run is equivalent to the API `/containers/create` then `/containers/(id)/start`. A stopped container can be restarted with all its previous changes intact using `docker start`. See `docker ps -a` to view a list of all containers. The docker run command can be used in combination with `docker commit` to change the command that a container runs.

Docker exec

The docker exec command runs a new command in a running container. The command started using `docker exec` only runs while the container's primary process (PID 1) is running, and it is not restarted if the container is restarted. `COMMAND` will run in the default directory of the container. If the underlying image has a custom directory specified with the `WORKDIR` directive in its Dockerfile, this will be used instead.