Run custom command in docker container

Saturday, 3 August 2019   3:39 PM

```
njain50@ubuntu:~/dockerdemo$ docker run busybox
Unable to find image 'busybox:latest' locally
latest: Pulling from library/busybox
ee153a04d683: Pull complete
Digest: sha256:9f1003c480699be56815db0f8146ad2e22efea85129b5b5983d0e0fb52d9ab70
Status: Downloaded newer image for busybox:latest
njain50@ubuntu:~/dockerdemo$ []
```

Screen clipping taken: 3/8/2019 3:40 PM

When we just run busybox it runs default startup command

Now to run echo hello myra in container:

```
njain50@ubuntu:~/dockerdemo$ docker run busybox echo hellp myra
hellp myra
njain50@ubuntu:~/dockerdemo$ []
```

Screen clipping taken: 3/8/2019 3:41 PM

2- Docker run ==> docker create + docker start

```
njain50@ubuntu:~/dockerdemo$ docker create hello-world
07971f9aecf565ab6c0d32c3d85c22c58829589d49aad1c15464d93278c66469
njain50@ubuntu:~/dockerdemo$ docker start -a 07971f9aecf565ab6c0d32c3d85c22c58829589d49aad1c15464d93278c66469

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
    (amd64)
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
 https://hub.docker.com/

For more examples and ideas, visit:
 https://docs.docker.com/get-started/

njain50@ubuntu:~/dockerdemo$ []
```

Screen clipping taken: 3/8/2019 3:49 PM

-a : attach image to container and display output to terminal.

3- Docker run command directly in container in interactive mode.

```
root@ubuntu:~# docker run -d redis
82e676f458e0e2b9e387d9lbbf6c3d4d24b73317c07d2fa6667b7d8cde8fa19e
```

Screen clipping taken: 3/8/2019 11:02 PM

```
root@ubuntu:~# docker ps
CONTAINER ID    IMAGE         COMMAND              CREATED         STATUS          PORTS         NAMES
82e676f458e0    redis         "docker-entrypoint.s…"  7 seconds ago   Up 6 seconds    6379/tcp      pensive_clarke
root@ubuntu:~# docker exec -i -t 82e676f458e0 sh
# ls
# ls
# pws
sh: 3: pws: not found
# pwd
/data
# cd ..
# ls
bin  boot  data  dev  etc  home  lib  lib64  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
# []
```

-i interactive mode:

Option -i (--interactive) allows you to run a Docker without dropping inside the container.

-t gives output in pretty form.

To exit the container console, just type exit or press *Ctrl + D.*