

Experiment: 2

AIM: Working with Docker(Basic Commands)

Steps to Complete:

1. Search a Redis Image on Docker Hub

```
C:\Users\Slayer>docker search redis
```

NAME	DESCRIPTION	STARS	OFFICIAL
redis	Redis is the world's fastest data platform f...	13064	[OK]
redis/redis-stack-server	redis-stack-server installs a Redis server w...	84	
redis/redis-stack	redis-stack installs a Redis server with add...	122	
redis/redisinsight	Redis Insight - our best official GUI for Re...	18	
bitnami/redis	Bitnami container image for Redis	306	
redis/rdi-monitor		0	
redis/rdi-api		0	
circleci/redis	CircleCI images for Redis	17	
redis/rdi-operator		0	
redis/rdi-processor		1	
redis/rdi-cli		0	
redis/rdi-collector-initializer	Init container for RDI Collector	0	
redislabs/redis	Clustered in-memory database engine compatib...	44	
bitnamicharts/redis	Bitnami Helm chart for Redis(R)	2	
redis/rdi-collector-api		0	
cimg/redis		2	
ubuntu/redis	Redis, an open source key-value store. Long...	22	
rapidfort/redis	RapidFort optimized, hardened image for Redi...	21	
elestio/redis	Redis, verified and packaged by Elestio	1	
jumpserver/redis	Redis is an open source key-value store that...	1	
chainguard/redis	Build, ship and run secure software with Cha...	1	
corpusops/redis	https://github.com/corpusops/docker-images/	0	
vulhub/redis		0	
hephy/redis		0	
uselagoon/redis		0	

2. Run Docker Container of Redis Image in background

3. Run Docker PS and Docker PS -a

4. Run Docker Container and take its console

```
C:\Users\Slayer>docker pull redis
Using default tag: latest
latest: Pulling from library/redis
a480a496ba95: Pull complete
89511e3ccef2: Pull complete
4ca428e0bb5e: Pull complete
41cc262fb5bb: Pull complete
228fc9e0b0ff: Pull complete
23d1d45ab415: Pull complete
4f4fb700ef54: Pull complete
6adf9ee29d6f: Pull complete
Digest: sha256:a06cea905344470eb49c972f3d030e22f28f632c1b4f43bbe4a26a4329dd6be5
Status: Downloaded newer image for redis:latest
docker.io/library/redis:latest

What's next:
  View a summary of image vulnerabilities and recommendations → docker scout quickview redis

C:\Users\Slayer>docker run -d --name my-redis redis
babb4da2909de5b58105b4241970d95a60989a6d258eba5d7b4039d27569ca09

C:\Users\Slayer>docker ps

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
babb4da2909d	redis	"docker-entrypoint.s..."	10 seconds ago	Up 10 seconds	6379/tcp	my-redis

```
C:\Users\Slayer>docker ps -a

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
babb4da2909d	redis	"docker-entrypoint.s..."	About a minute ago	Up About a minute	6379/tcp	my-redis
3832850c15ed	ubuntu:18.04	"/bin/bash"	7 weeks ago	Exited (127) 7 weeks ago		unruffled_mahavira
0bb700ffaf9	ubuntu	"/bin/bash"	7 weeks ago	Exited (1) 7 weeks ago		myubuntu