

## EXPERIMENT 2

### AIM: Working with Docker (Basic Commands)

#### Steps to Complete:

1. Search a Redis image on DockerHub

```
C:\Users\an626>docker search redis
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
redis	Redis is the world's fastest data platform f...	12987	[OK]	
redis/redisinsight	Redis Insight - our best official GUI for Re...	14		
redis/redis-stack-server	redis-stack-server installs a Redis server w...	80		
redis/redis-stack	redis-stack installs a Redis server with add...	115		
redis/rdi-monitor		0		
redis/rdi-processor		0		
redis/rdi-api		0		

2. Run Docker Container of Redis Image in background

```
C:\Users\an626>docker pull redis
Using default tag: latest
latest: Pulling from library/redis
e4fff0779e6d: Pull complete
d1dde3db2ec5: Pull complete
1d321a003dde: Pull complete
d65aedb2f012: Pull complete
4018f93716a2: Pull complete
b0967b02e8cf: Pull complete
4f4fb700ef54: Pull complete
d288b86f5d06: Pull complete
Digest: sha256:878983f8f5045b28384fc300268cec62bca3b14d5e1a448bec21f28cfc7bf78
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\an626>docker run --name my-redis-container -d redis
d40bf8fa112e8b0717893de217a49c38ef1a667fac68e647b8b2aa1d5f0b0566
```

3. Run Docker PS and Docker PS -a

```
C:\Users\an626>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
d40bf8fa112e	redis	"docker-entrypoint.s..."	54 seconds ago	Up 53 seconds	6379/tcp	my-redis-container

```
C:\Users\an626>docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
d40bf8fa112e	redis	"docker-entrypoint.s..."	About a minute ago	Up About a minute	6379/tcp	my-redis-container

4. Run Docker Container and take its console

```
C:\Users\an626>docker exec -it d40bf8fa112e /bin/bash
root@d40bf8fa112e:/data# |
```