

## Installing docker

```
curl -fsSL https://get.docker.com -o get-docker.sh
```

```
sudo sh ./get-docker.sh --dry-run
```

```
sudo service docker start
```

```
azureuser@poc-vm:~$ sudo service docker start
azureuser@poc-vm:~$ sudo service docker status
● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-09-05 04:42:53 UTC; 25s ago
TriggeredBy: ● docker.socket
   Docs: https://docs.docker.com
Main PID: 13360 (dockerd)
   Tasks: 9
     Memory: 24.1M (peak: 25.9M)
        CPU: 820ms
      CGroup: /system.slice/docker.service
              └─13360 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Sep 05 04:42:50 poc-vm dockerd[13360]: time="2025-09-05T04:42:50.777600351Z" level=info msg="Creating a containerd client" address=/run/containerd/containerd.sock
Sep 05 04:42:52 poc-vm dockerd[13360]: time="2025-09-05T04:42:52.763813004Z" level=info msg="Loading containers: start."
Sep 05 04:42:53 poc-vm dockerd[13360]: time="2025-09-05T04:42:53.590680501Z" level=info msg="Loading containers: done."
Sep 05 04:42:53 poc-vm dockerd[13360]: time="2025-09-05T04:42:53.635353796Z" level>warning msg="Not using native diff for overlay2, this may cause degraded performance"
Sep 05 04:42:53 poc-vm dockerd[13360]: time="2025-09-05T04:42:53.635469585Z" level=info msg="Docker daemon" commit=249d679 containerd-snapshotter=false storage-driver=overlay2
Sep 05 04:42:53 poc-vm dockerd[13360]: time="2025-09-05T04:42:53.739903576Z" level=info msg="Initializing buildkit"
Sep 05 04:42:53 poc-vm dockerd[13360]: time="2025-09-05T04:42:53.739903576Z" level=info msg="Completed buildkit initialization"
Sep 05 04:42:53 poc-vm dockerd[13360]: time="2025-09-05T04:42:53.749576990Z" level=info msg="Daemon has completed initialization"
Sep 05 04:42:53 poc-vm systemd[1]: Started docker.service - Docker Application Container Engine.
Sep 05 04:42:53 poc-vm dockerd[13360]: time="2025-09-05T04:42:53.750279550Z" level=info msg="API listen on /run/docker.sock"
```

```
azureuser@poc-vm:~$ sudo docker version
Client: Docker Engine - Community
  Version:           28.4.0
  API version:        1.51
  Go version:         go1.24.7
  Git commit:        d8eb465
  Built:             Wed Sep  3 20:57:32 2025
  OS/Arch:            linux/amd64
  Context:           default

Server: Docker Engine - Community
  Engine:
    Version:          28.4.0
    API version:       1.51 (minimum version 1.24)
    Go version:        go1.24.7
    Git commit:        249d679
    Built:             Wed Sep  3 20:57:32 2025
    OS/Arch:            linux/amd64
    Experimental:      false
  containerd:
    Version:          1.7.27
    GitCommit:        05044ec0a9a75232cad458027ca83437aae3f4da
  runc:
    Version:          1.2.5
    GitCommit:        v1.2.5-0-g59923ef
  docker-init:
    Version:          0.19.0
    GitCommit:        de40ad0
azureuser@poc-vm:~$
```

## **Nginx!!!!**

```
azureuser@poc-vm:~$ sudo docker run nginx
Unable to find image 'nginx:latest' locally
latest: Pulling from library/nginx
b1bacd6e5066: Pull complete
a2da0c0f2353: Pull complete
e5d9bb0b85cc: Pull complete
14a859b5ba24: Pull complete
716cdf61af59: Pull complete
14e422fd20a0: Pull complete
c3741b707ce6: Pull complete
Digest: sha256:33e0bbc7ca9ecf108140af6288c7c9d1ecc77548cbfd3952fd8466a75edefe57
Status: Downloaded newer image for nginx:latest
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-interfaces.sh
```

## **Hello-World!!!!**

```
root@poc-vm:~# sudo docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eec7bbc9d7: Pull complete
Digest: sha256:a0dfb02aac212703bfcb339d77d47ec32c8706ff250850ecc0e19c8737b18567
Status: Downloaded newer image for hello-world:latest

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