

# Unit-1 Docker Practice

## 1 Check Docker Version:

Windows PowerShell

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

```
PS C:\Users\sr302> docker --version
```

```
Docker version 29.1.3, build f52814d
```

```
PS C:\Users\sr302>
```

## 2 Docker Info:

```
PS C:\Users\sr302> docker info
```

Client:

Version: 29.1.3

Context: desktop-linux

Debug Mode: false

Plugins:

ai: Docker AI Agent - Ask Gordon (Docker Inc.)

Version: v1.17.1

Path: C:\Program Files\Docker\cli-plugins\docker-ai.exe

buildx: Docker Buildx (Docker Inc.)

Version: v0.30.1-desktop.1

Path: C:\Program Files\Docker\cli-plugins\docker-buildx.exe

compose: Docker Compose (Docker Inc.)

Version: v5.0.1

Path: C:\Program Files\Docker\cli-plugins\docker-compose.exe

debug: Get a shell into any image or container (Docker Inc.)

**Version: 0.0.47**

**Path: C:\Program Files\Docker\cli-plugins\docker-debug.exe**

**desktop: Docker Desktop commands (Docker Inc.)**

**Version: v0.2.0**

**Path: C:\Program Files\Docker\cli-plugins\docker-desktop.exe**

**extension: Manages Docker extensions (Docker Inc.)**

**Version: v0.2.31**

**Path: C:\Program Files\Docker\cli-plugins\docker-extension.exe**

**init: Creates Docker-related starter files for your project (Docker Inc.)**

**Version: v1.4.0**

**Path: C:\Program Files\Docker\cli-plugins\docker-init.exe**

**mcp: Docker MCP Plugin (Docker Inc.)**

**Version: v0.35.0**

**Path: C:\Program Files\Docker\cli-plugins\docker-mcp.exe**

**model: Docker Model Runner (Docker Inc.)**

**Version: v1.0.6**

**Path: C:\Program Files\Docker\cli-plugins\docker-model.exe**

**offload: Docker Offload (Docker Inc.)**

**Version: v0.5.40**

**Path: C:\Program Files\Docker\cli-plugins\docker-offload.exe**

**pass: Docker Pass Secrets Manager Plugin (beta) (Docker Inc.)**

**Version: v0.0.22**

**Path: C:\Program Files\Docker\cli-plugins\docker-pass.exe**

**sandbox: Docker Sandbox (Docker Inc.)**

**Version: v0.6.0**

**Path: C:\Program Files\Docker\cli-plugins\docker-sandbox.exe**

**sbom: View the packaged-based Software Bill Of Materials (SBOM) for an image (Anchore Inc.)**

**Version: 0.6.0**

**Path: C:\Program Files\Docker\cli-plugins\docker-sbom.exe**

**scout: Docker Scout (Docker Inc.)**

**Version: v1.19.0**

**Path:** C:\Program Files\Docker\cli-plugins\docker-scout.exe

**Server:**

**Containers:** 18

**Running:** 2

**Paused:** 0

**Stopped:** 16

**Images:** 9

**Server Version:** 29.1.3

**Storage Driver:** overlayfs

**driver-type:** io.containerd.snapshotter.v1

**Logging Driver:** json-file

**Cgroup Driver:** cgroupfs

**Cgroup Version:** 2

**Plugins:**

**Volume:** local

**Network:** bridge host ipvlan macvlan null overlay

**Log:** awslogs fluentd gcplogs gelf journald json-file local splunk syslog

**CDI spec directories:**

/etc/cdi

/var/run/cdi

**Discovered Devices:**

**cdi:** docker.com/gpu=webgpu

**Swarm:** inactive

**Runtimes:** runc io.containerd.runc.v2 nvidia

**Default Runtime:** runc

**Init Binary:** docker-init

**containerd version:** dea7da592f5d1d2b7755e3a161be07f43fad8f75

**runc version:** v1.3.4-0-gd6d73eb8

**init version:** de40ad0

**Security Options:**

**seccomp**

**Profile: builtin**

**cgroupns**

**Kernel Version: 6.6.87.2-microsoft-standard-WSL2**

**Operating System: Docker Desktop**

**OSType: linux**

**Architecture: x86\_64**

**CPUs: 8**

**Total Memory: 3.672GiB**

**Name: docker-desktop**

**ID: b5aaa478-657a-43aa-bc3f-817b8f594e2e**

**Docker Root Dir: /var/lib/docker**

**Debug Mode: false**

**HTTP Proxy: http.docker.internal:3128**

**HTTPS Proxy: http.docker.internal:3128**

**No Proxy: hubproxy.docker.internal**

**Labels:**

**com.docker.desktop.address=npipe://\\.\pipe\docker\_cli**

**Experimental: false**

**Insecure Registries:**

**hubproxy.docker.internal:5555**

**::1/128**

**127.0.0.0/8**

**Live Restore Enabled: false**

**Firewall Backend: iptables**

**PS C:\Users\sr302>**