

Unit-1 Docker Practice

1 Check Docker Version:

Windows PowerShell

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```
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

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