

■ DevOps Engineer Networking Ports Cheat Sheet

■ Core Networking & Remote Access

Service / Protocol	Port	Description
SSH	22	Secure remote login (Linux, Git, Ansible, etc.)
Telnet	23	Unsecured remote access (legacy)
DNS	53	Domain Name System (hostname ↔ IP)
DHCP	67, 68	Dynamic IP address assignment
HTTP	80	Web traffic (non-secure)
HTTPS	443	Secure web traffic (TLS/SSL)
ICMP	-	Network testing (ping, traceroute)

■ Common Linux & DevOps Services

Service	Port	Description
NTP	123	Network Time Protocol (time sync)
SNMP	161, 162	Network monitoring and management
Syslog	514	Log forwarding
FTP	20, 21	File transfer (unsecured)
SFTP / FTPS	22 / 990	Secure file transfer
SMTP	25	Mail transfer protocol
IMAP	143	Mail retrieval protocol
POP3	110	Mail retrieval protocol

■ DevOps Tools & Cloud Integrations

Tool / Service	Port	Description
Jenkins	8080	CI/CD automation server
SonarQube	9000	Code quality analysis
Docker Daemon API	2375 / 2376	Docker remote management
Kubernetes API Server	6443	Cluster control plane access
etcd	2379, 2380	Cluster key-value store
Prometheus	9090	Metrics collection
Grafana	3000	Monitoring dashboard
ElasticSearch	9200, 9300	Search and analytics engine
Logstash	5044	Log data collection
Kibana	5601	Elastic Stack visualization
Vault	8200	Secrets management (HashiCorp Vault)
Terraform Cloud	443	Secure cloud agent connection

■ Cloud, Load Balancers & Database Ports

Service	Port	Description
MySQL / RDS MySQL	3306	Database connections
PostgreSQL	5432	Database connections
MongoDB	27017	NoSQL database
Redis	6379	In-memory caching
Memcached	11211	Caching layer
NFS (EFS)	2049	Shared file system
SMB (Windows Share)	445	Windows file sharing
Load Balancer (HTTP/HTTPS)	80 / 443	Web traffic balancing
RDP	3389	Windows remote access

■ CI/CD & Version Control

Tool / Service	Port	Description
Git (SSH)	22	Code push/clone via SSH
Git (HTTPS)	443	Code push/clone via HTTPS
Nexus / Artifactory	8081	Artifact repository
Webhooks	443 / 80	Trigger builds securely (GitHub/GitLab → Jenkins)

■ Container & Orchestration

Component	Port	Description
Kubelet	10250	Node management and metrics
Kube-proxy / Metrics-server	10249 / 10255	Cluster metrics & proxy
Containerd / CRI-O	2375 / 2376	Container runtime communication
Flannel / Calico (CNI)	8285 / 8472	Pod networking overlay

■ Monitoring, Logging & Alerting

Tool / Service	Port	Description
Node Exporter	9100	Prometheus node metrics
Alertmanager	9093	Prometheus alert routing
Fluentd	24224	Log collector
Graylog	9000	Log management UI
Zabbix (Agent/Server)	10050 / 10051	Monitoring communication