Essential Port Numbers for DevOps Engineers

🌐 Web, Proxy, and Application Services

🖥 HTTP – 80

🖥 HTTPS – 443

🖥 HTTP Alternative – 8080

🖥 HTTPS Alternative – 8443

🖥 NGINX Web Server – 80/443

🖥 Apache Web Server – 80/443

🖥 Tomcat – 8080

🖥 HAProxy – 1936

🖥 Varnish Cache – 6081/6082

🖥 Squid Proxy – 3128

🖥 WebSocket – 80

🖥 WebSocket Secure – 443

🔌 Remote Access & File Transfer

🖥 SSH – 22

🖥 FTP – 21

🖥 FTPS – 990

🖥 SFTP – 22

🖥 RDP – 3389

🖥 Telnet – 23

💻 SCP – 22

🗄️ Databases

💻 MySQL – 3306

💻 PostgreSQL – 5432

💻 Microsoft SQL Server – 1433

💻 Oracle – 1521

💻 MongoDB – 27017

💻 Redis – 6379

💻 MariaDB – 3306

💻 Cassandra – 9042

💻 Neo4j – 7474 / 7687

💻 Couchbase – 8091 / 8092

💻 CouchDB – 5984

💻 Memcached – 11211

💻 HBase – 60010 / 60020

🔭 Messaging & Queue Systems

💻 RabbitMQ – 5672

💻 Kafka – 9092

💻 ActiveMQ – 61616

💻 MQTT – 1883

💻 MQTT SSL – 8883

💻 NSQ – 4150 / 4151

🖥 Celery Flower – 5555

🔬 Email Protocols

🖥 SMTP – 25

🖥 SMTPS – 465

🖥 SMTP Alt – 587

🖥 POP3 – 110

🖥 POP3S – 995

🖥 IMAP – 143

🖥 IMAPS – 993

📊 Monitoring & Analytics

🖥 Prometheus – 9090

🖥 Grafana – 3000

🖥 Kibana – 5601

🖥 Elasticsearch – 9200 / 9300

🖥 StatsD – 8125

🖥 cAdvisor – 4194

🖥 Zabbix – 10050 / 10051

🖥 Splunk – 8000 / 9997

🖥 Nagios – 5666

🖥 Datadog – 8125 / 3838

🐳 Containerization & Orchestration

💻 Docker – 2375 / 2376

💻 Kubernetes API – 6443

💻 Kubelet – 10250 / 10255

💻 Metrics Server – 10251

💻 Controller Manager – 10257

🔐 Security & Authentication

💻 DNS – 53

💻 LDAP – 389

💻 LDAPS – 636

💻 RADIUS – 1812 / 1813

💻 OpenVPN – 1194

💻 IPSec NAT-T – 4500

⚙️ Version Control & CI/CD

💻 Git – 9418

💻 Jenkins – 8080 / 50000

💻 Nexus – 8081

💻 SonarQube – 9000

⚙️ Cloud & Automation Tools

💻 OpenStack – 5000

💻 Terraform Enterprise – 8800

🖥️ Ansible Tower – 8080 / 443

🖥️ Rundeck – 4440

📝 Appendix: Practical Usage Notes (Added)

• Use security groups and firewalls to restrict access

• Prefer encrypted ports in production

• Avoid exposing admin ports publicly

• Document any non-standard internal ports