



Download Roadmap

1. Prerequisites

- Basic Linux Commands
- Networking Fundamentals
- Basic Scripting (Bash or Python)
- Version Control with Git & GitHub

OS & System Administration

- Linux Administration
- File Permissions, Users & Groups
- Package Managers (apt, yum, brew)
- Process Management
- System Monitoring Tools (top, htop, netstat, etc.)

3. Networking & Security

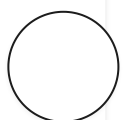
- DNS, HTTP, HTTPS, FTP, SSH
- Firewalls & Ports
- SSL/TLS Basics
- Authentication, Authorization

Infrastructure as Code (IaC)

- Terraform
- Ansible
- CloudFormation (AWS)
- Basic YAML Syntax

5. CI/CD

- Jenkins
- GitHub Actions
- GitLab CI/CD
- CircleCI, Travis CI
- Pipeline as Code Concepts



Containers & Orchestration

- Docker
- Docker Compose
- Kubernetes (k8s)
- Helm
- Kustomize

7. Cloud Platforms

- AWS (EC2, S3, IAM, Lambda, ECS)
- Azure (VMs, Blob Storage, Functions)
- Google Cloud Platform (GCP)
- Cloud CLI Tools
- Pricing & Billing Basics

8. Monitoring & Logging

- Prometheus
- Grafana
- ELK Stack (Elasticsearch, Logstash, Kibana)
- Datadog, New Relic
- Alerting and Notification Systems

9. DevSecOps & Best Practices

- Security Scanning Tools (Trivy, Snyk)
- Secrets Management (Vault, AWS Secrets Manager)
- Backup & Disaster Recovery
- Infrastructure Monitoring & Auto-healing
- Compliance & Audit Logging