



Jab bhi production me kaam karenge, kaala dabba screen se hi kaam karna pdega.

1. Linux Computer kaha se aaega?

Task	Windows me kya kya kara?	Linux
Logged In User Dekhna	Windows button pr click karke, User dikhta hai	whoami
Present working directory	File Explorer me upr me dikh jaega	pwd
Back kaise jaenge?	Upr se Back button daba ke jaenge	?
Folder me kaise jaenge?	Double Click karke	cd
New folder banana	Right Click-> New Folder	?
File Download	Using Browser	?
Folder Delete	Right Click-> Delete	?

Command = Set of Instruction in English

English ka word jiske aage likha ha kuch kuch

dhondhu KUCH KUCH

Here's a comprehensive list of **open-source and trending tools** in both **DevOps** and **Security/DevSecOps** that are widely used by professionals in 2025–2026. I've grouped them by category so you can easily understand where each tool fits in your workflow.

.DevOps — Core Open Source Tools

Version Control & Code Hosting

- Git – Distributed version control (industry standard) (Toolworks)
- GitHub – Git hosting + CI/CD with Actions (Toolworks)
- GitLab – Complete DevOps platform with CI/CD & security (Toolworks)
- RhodeCode – Self-hosted code management (Git/Mercurial/SVN) (Wikipedia)

CI/CD (Continuous Integration / Delivery)

- Jenkins – Classic open-source automation server (DevOps.com)
- GitHub Actions – CI/CD workflows integrated with GitHub (DevOps.com)
- ArgoCD – GitOps deployment for Kubernetes (DevOps Training Institute)
- Flux CD – Lightweight GitOps controller (DevOps Training Institute)
- GoCD – Continuous delivery automation (Wikipedia)

Containerization & Orchestration

- Docker – Container platform (Data Stack Hub)
- Kubernetes – Container orchestration (DevOps Training Institute)

Configuration Management / IaC

- Ansible – Configuration automation (Data Stack Hub)
- Terraform – Infrastructure as Code (IaC)
- Pulumi – IaC with general-purpose languages

Monitoring & Observability

- Prometheus – Metrics & alerting (DevOps Training Institute)
- Grafana – Dashboards & visualizations (DevOps Training Institute)
- OpenTelemetry – Unified telemetry standards (DevOps Training Institute)

Secrets & Config Management

- HashiCorp Vault – Secrets management
- Keycloak – IAM/SSO for authentication & access control (Upwind)

Automation / Orchestration

- StackStorm – Event-driven automation (Wikipedia)

Security & DevSecOps — Open Source & Trending Tools

Security tools integrate into DevOps pipelines to **shift security left** — catching issues earlier in development.

Static / Source Code Security

- Semgrep – Static code analysis + customizable rules (wiz.io)
- SonarQube – Static analysis for bugs & vulnerabilities (Wikipedia)

Web & App Security Scanning

- OWASP ZAP – Web app vulnerability scanner (Codaint Software Technologies)
- Burp Suite (Community) – Web security testing (partly open) (Codaint Software Technologies)

Image & Runtime Security

- Trivy – Vulnerability scanner for containers/IaC (DevOps Training Institute)
- Anchore – Container image scanning (Jit)
- Falco – Runtime threat detection for Kubernetes (DevOps Training Institute)

Infrastructure & IaC Security

- Checkov – IaC security scanner (Terraform, CloudFormation, etc.) (Upwind)
- Kitterrunner – API fuzzing for hidden vulnerabilities (Upwind)

DevSecOps Policy / Git Security

- Legitify – Git security scanning (repo policies) (Upwind)
- npm audit – Node.js dependency security checks (Jit)

Network / Threat Detection

- Security Onion – Network monitoring & IDS distro (Wikipedia)
- Zeek & Suricata – Network traffic analysis (under Security Onion) (Wikipedia)

Bonus – Trending Emerging Tools / Concepts

These aren't strictly standard yet but are gaining traction:

- Software Bill of Materials (SBOM) tools (e.g., Syft / UniBOM concepts) for supply chain visibility (arXiv)
- OpenTelemetry (OTel) for unified observability (DevOps Training Institute)
- AI-assisted security analysis (e.g., CodeMender concept in news) (TechRadar)

How to Choose Tools (Quick Guide)

Category	Tool Examples	Use Case
Versioning	Git, GitHub, GitLab	Track & manage code
CI/CD	Jenkins, ArgoCD	Automate build & deployment
Container	Docker, Kubernetes	Run scalable apps
IaC	Terraform, Ansible	Provision infra as code
Monitoring	Prometheus, Grafana	Observe app performance
Code Security	Semgrep, SonarQube	Find vulnerabilities early
Container Sec	Trivy, Anchore	Scan images before deploy
Policy & Git Sec	Legitify, Checkov	Enforce security policies

If you want a **study path or curated toolchain** for a specific goal (like Kubernetes DevOps stack, DevSecOps pipeline, cloud-native security, etc.), tell me your current skill level and focus area!