

Containerization & Orchestration Cheat Sheet

Containerization	Docker	Standard container engine
Containerization	Podman	Rootless Docker alternative
Containerization	Buildah	Daemonless image builder
Containerization	containerd	Low-level container runtime
Image Building	Dockerfile	Image build instructions
Image Building	BuildKit	Modern parallel builder
Image Building	Kaniko	Daemonless image builder for Kubernetes
Image Building	Jib	Java container image builder
Orchestration	Kubernetes	Full-featured container orchestrator
Orchestration	Docker Swarm	Simple container orchestrator
Orchestration	Nomad	Lightweight orchestrator for many workloads
Configuration	Helm	Kubernetes package manager
Configuration	Kustomize	YAML configuration overlay tool
Configuration	Scaffold	Dev tool for building and deploying apps
Networking	Istio	Advanced service mesh
Networking	Linkerd	Lightweight service mesh
Networking	Cilium	eBPF-powered networking and security
Observability	Prometheus	Metrics collection
Observability	Grafana	Dashboard visualization
Observability	Fluentd	Log collection
Observability	Jaeger	Distributed tracing
Security	Trivy	Container image scanner
Security	Falco	Runtime threat detection
Security	Anchore	Security policy scanner
Security	OPA	Policy enforcement in Kubernetes
CI/CD	ArgoCD	GitOps deployment manager
CI/CD	Tekton	CI/CD pipeline tool
CI/CD	Flux	GitOps-based continuous delivery