

CNCF Landscape

Trail Map By  KodeKloud

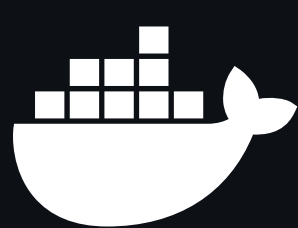
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Containerization

OBJECTIVE:

Encapsulate applications and their dependencies.

TOOLS:



docker



podman



buildah

2

Container Registries & Runtimes

OBJECTIVE:

Store and manage container images; execute containers.

REGISTRY TOOLS:



docker H U B



Red Hat
Quay.io



HARBOR

RUNTIME TOOLS:

containerd



RUNC



gVisor

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Continuous Integration & Continuous Deployment (CI/CD):

OBJECTIVE:

Automate the build, test, and deployment processes.

TOOLS:



Jenkins

GITLAB

CI CD



GitHub Actions



circleci

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Service Proxy, Discovery, and Mesh:

OBJECTIVE:

Manage service-to-service communication, discover services, and ensure resilient communication.

TOOLS:



Istio



LINKERD



Consul

5

Networking, Policy, and Security:

OBJECTIVE:

Manage network communication, enforce policies, and secure applications.

NETWORKING TOOLS:



CALICO



cilium



weave

SECURITY TOOLS:



Falco



Open Policy Agent

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Distributed Databases & Storage:

OBJECTIVE:

Store data in distributed environments ensuring high availability and fault tolerance.

DATABASE TOOLS:



CockroachDB



etcd

STORAGE TOOLS:



ceph



ROOK



GLUSTER



portworx



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Streaming & Messaging:

OBJECTIVE:

Handle real-time data streams and inter-service communication.

TOOLS:



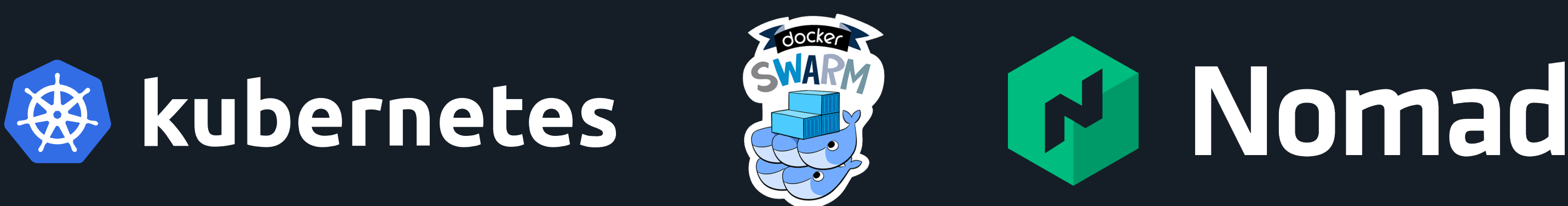
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Orchestration:

OBJECTIVE:

Manage, scale, and maintain containerized applications.

TOOLS:



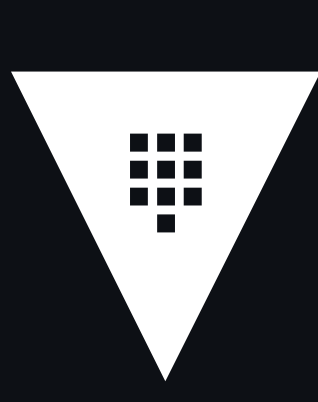
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Configuration & Secret Management:

OBJECTIVE:

Manage application configurations and secrets securely.

CONFIGURATION TOOL: SECRET MANAGEMENT TOOL:



HashiCorp
Vault

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Serverless Frameworks:

OBJECTIVE:

Execute code in response to events without provisioning or managing servers.

TOOLS:



Knative



OPENFAAS



aws Lambda



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Software Distribution:

OBJECTIVE:

Distribute and manage software across various environments.

TOOLS:



Spinnaker



argo



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65+

COURSES



1,000,000+

STUDENTS



4.8

RATING

<https://kode.wiki/3RZa7qE>

