

Open Source Cloud Strategies
and Solutions

Event by Sardina Systems

Benefits and Challenges of Kubernetes Deployment & Automation

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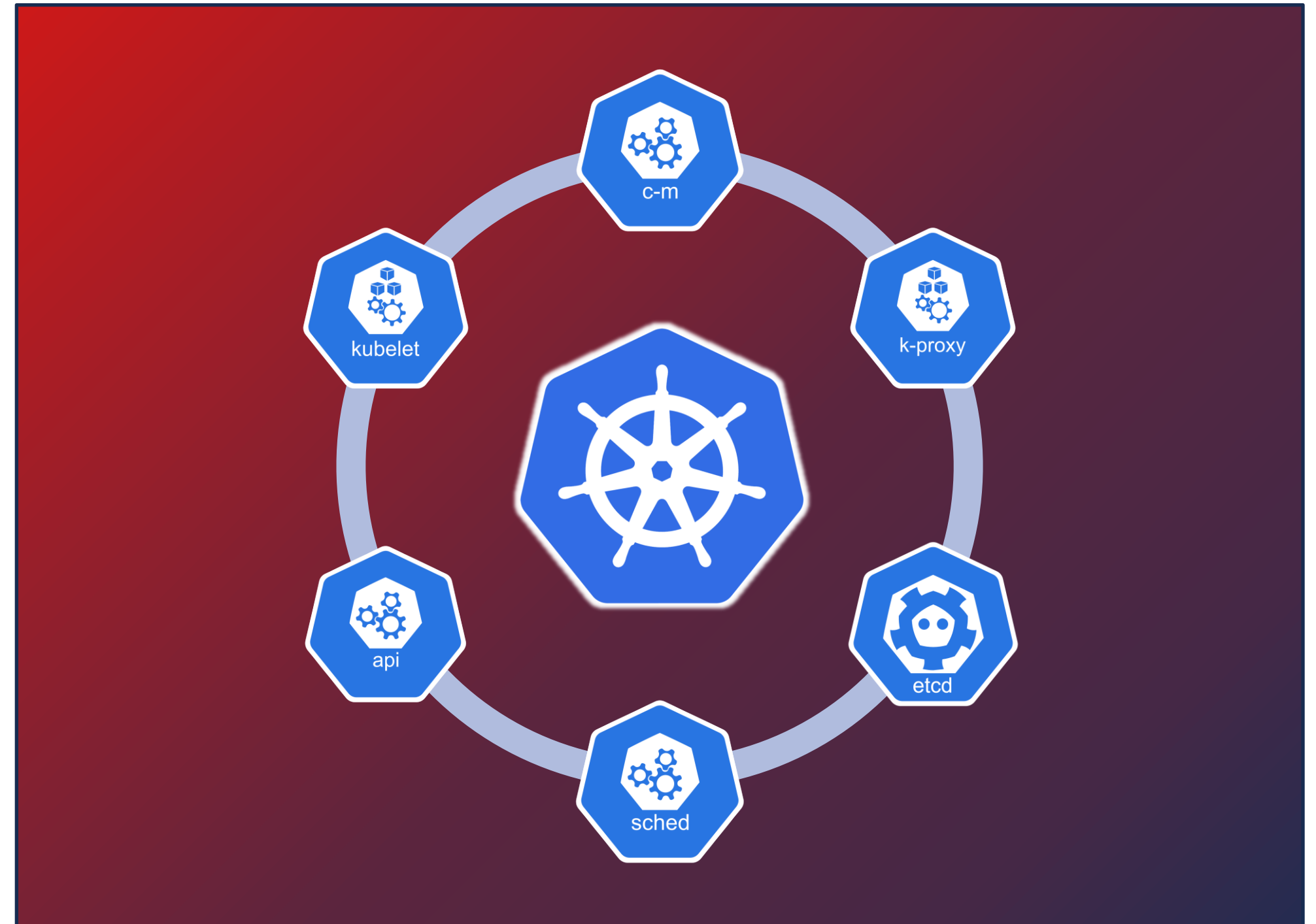


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What is Kubernetes?





Benefits of Kubernetes Deployment & Automation

High Availability

Pod Distribution

Node Redundancy

Load Balancing

Scalability

Pod Replication

Node Scaling

Auto Scaling

Portability

On-Premise
Deployment

Multi-Cloud Supports

Easy to Migrate

DevOps & GitOps

IaC & Version Control

Supports CI/CD

Desired State with
GitOps



Challenges of Kubernetes Deployment & Automation

Deployment Complexity

Packaging Tool



GitOps Tool



Security

Cluster Security



Container Security



Networking

Network Plugins



Service Mesh



Monitoring & Logging

Monitoring



Logging



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Thank you!

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