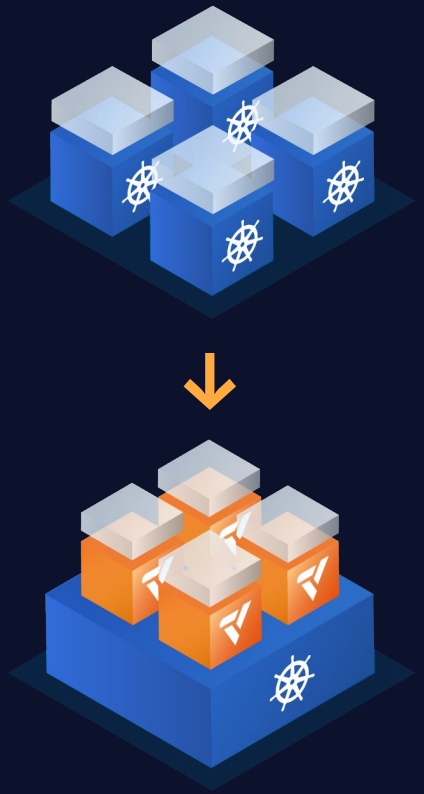
vCluster

Virtual Kubernetes Clusters

Next-Gen Kubernetes Architecture for Maximum Efficiency & Cost Savings

40 Million+
Virtual Clusters

5,000+
GitHub Stars



We all love K8s, but 10 years later, it still has its challenges..

Extremely inefficient

- ✕ Huge fleets of clusters
- ✕ Lots of tools to manage
- ✕ Security concerns
- ✕ Resource wastage

70% of organizations identified **overprovisioned Kubernetes** as the leading cause for their surge in spend.

2023 Cloud Native & K8s Finops Microsurvey

Inefficient & overprovisioned K8s is killing your budget.

✕ Workloads run 24x7

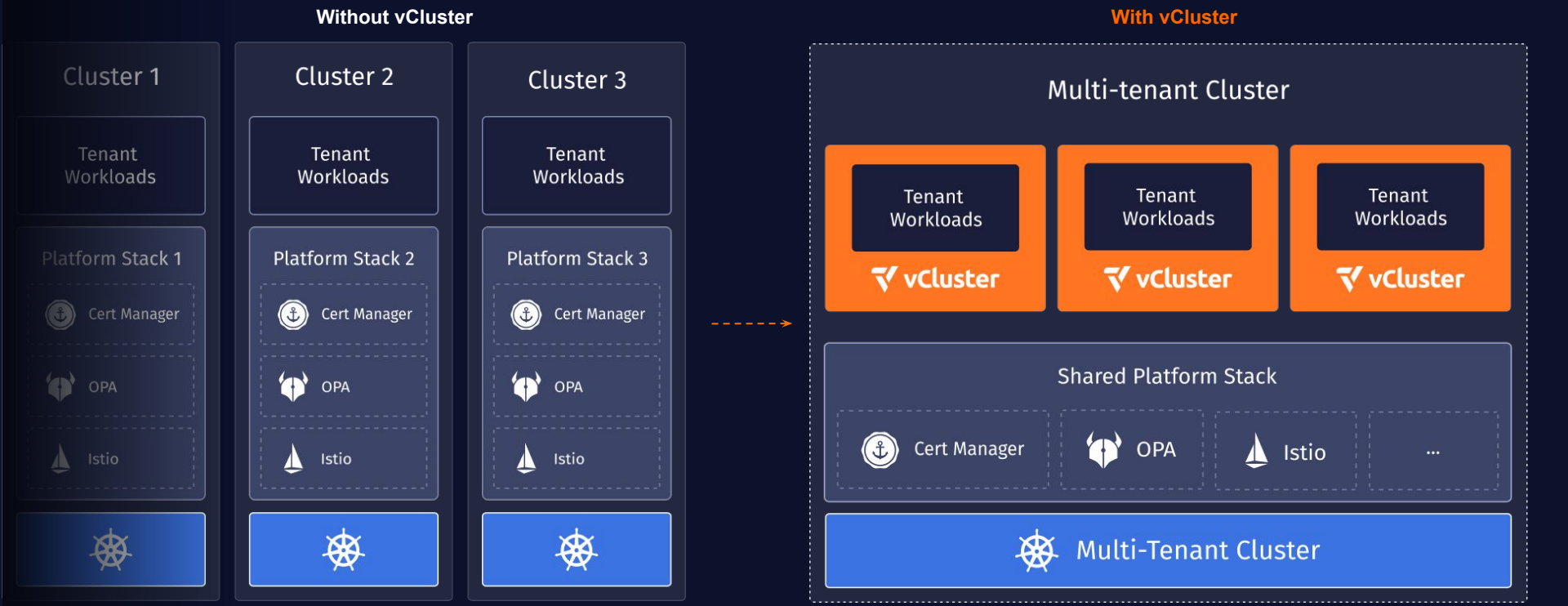
✕ Duplicated tools

A. How many clusters do you run today?
B. How expensive are these clusters?
C. How many are pre-production and how often do they run idle?

✕ Too many clusters

vCluster

Optimize your Kubernetes infra with virtual clusters



What are virtual clusters?

Virtual clusters are a Kubernetes concept that enables isolated clusters to be run within a single physical Kubernetes cluster.

Maximize K8s efficiency and performance

Tenant Isolation

Better security

Self-Service K8s

Faster provisioning

Developer Autonomy

Faster velocity

Cluster Sharding

Better scalability

Sleep Mode

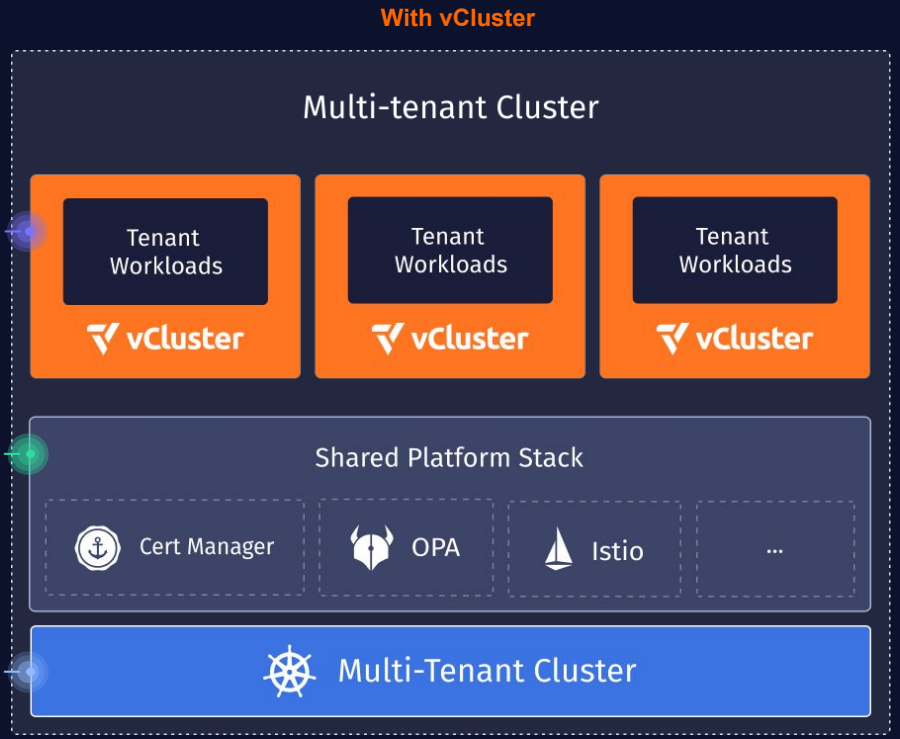
Reduce idle workloads cost by putting clusters to sleep when not in use.

Shared Platform Stack

Run fewer duplicates of tools like Istio, Cert Manager, OPA, Datadog and Vault.

Multi-Tenant Clusters

Run fewer clusters by isolating multiple tenant workloads within a single cluster.



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Maximize efficiency & cut cost with virtual clusters.

+50%
Cost Savings

Key Features

Sleep Mode

Reduce idle workloads cost by putting clusters to sleep when not in use.

Shared Platform Stack

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Multi-Tenant Clusters

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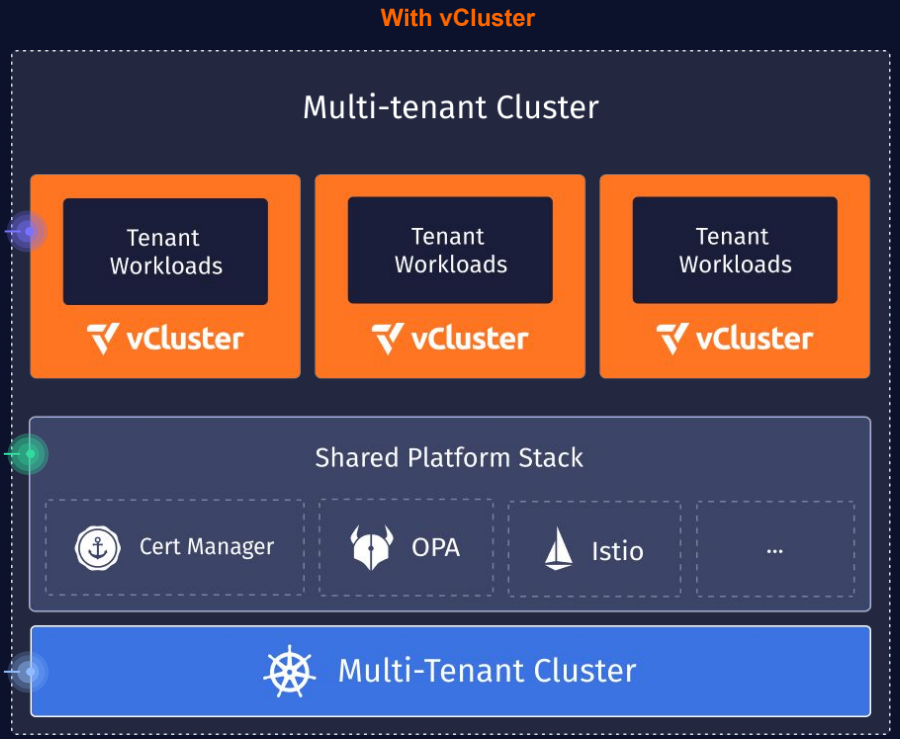

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Reduce Kubernetes cost with virtual clusters

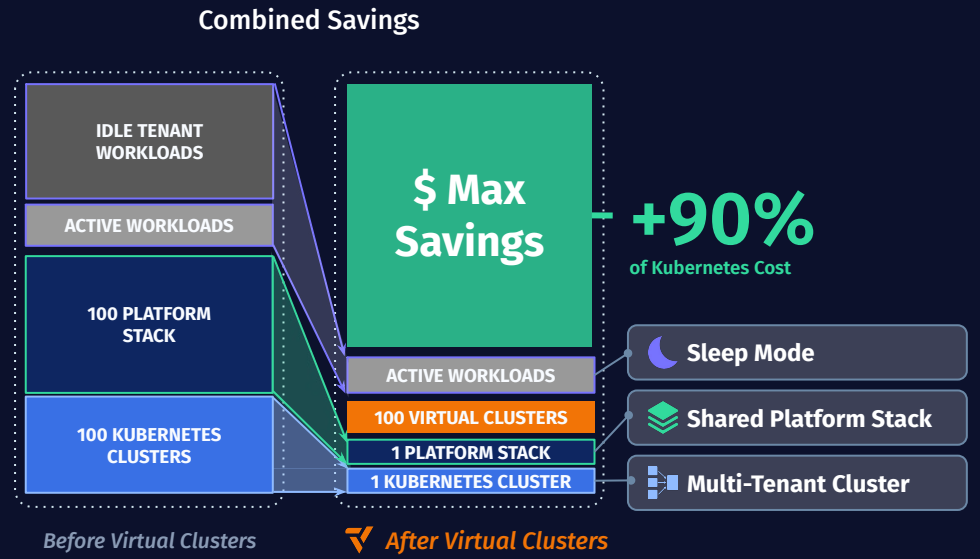
Making the business case for vCluster

Multi-Tenancy reduces the number of Kubernetes clusters you pay for.

Shared Platform Stack with less duplication of infra components like Istio, Cert Manager, OPA, and others.

Sleep Mode ensures that you only pay for active workloads instead of idle time.

Combine all features for **max savings**



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Next-Gen Kubernetes Architecture with vCluster

Cost Savings Features

Sleep Mode
Less idle workloads

Shared Platform Stack
Less duplication

Multi-Tenant Clusters
Less clusters

Performance Features

Tenant Isolation
Better security

Self-Service K8s
Faster provisioning

Developer Autonomy
Faster velocity

Cluster Sharding
Better scalability