

The logo for Aenix, featuring the word "Aenix" in a blue, sans-serif font. The letter "A" is stylized with a horizontal bar that extends to the left and then curves upwards to form a partial circle.

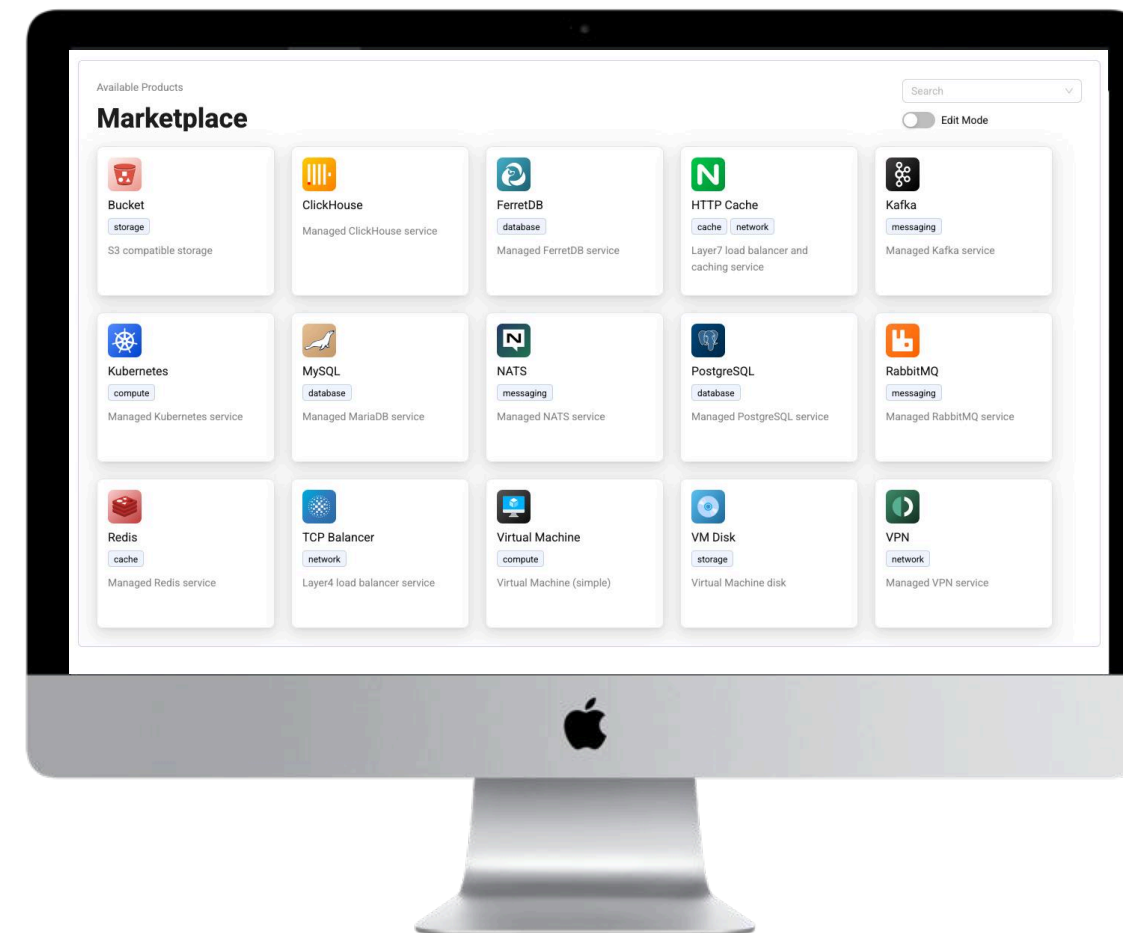
Aenix

COZYETACK

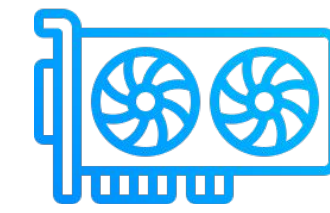
Free Cloud Platform based on Kubernetes

Introduction

With Cozystack, you can transform your bunch of servers into an intelligent system with a simple REST API for spawning Kubernetes clusters, Database-as-a-Service, virtual machines, load balancers, HTTP caching services, and other services with ease.



Monitoring

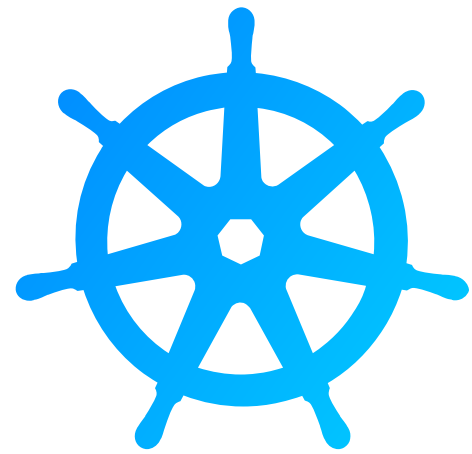


GPU



Kubernetes

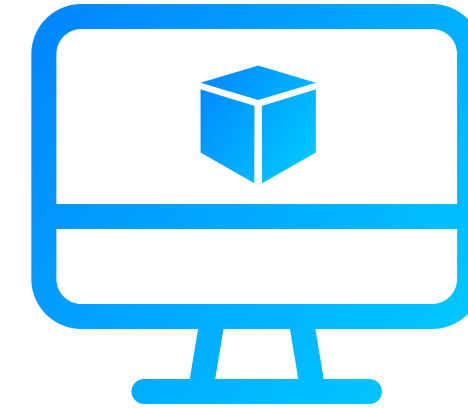
Multiple services available with just a click



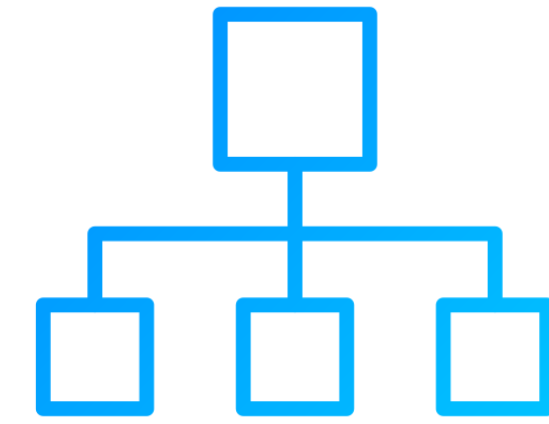
Managed Kubernetes



Managed Databases



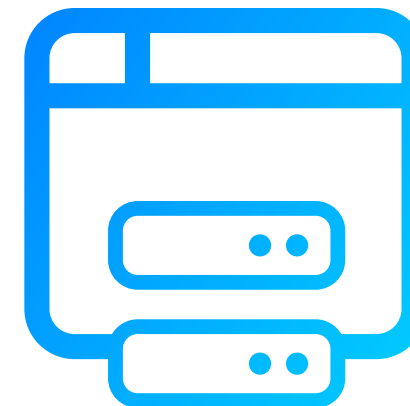
Virtual Machines



Load balancers



Managed VPN service



HTTP-caching service

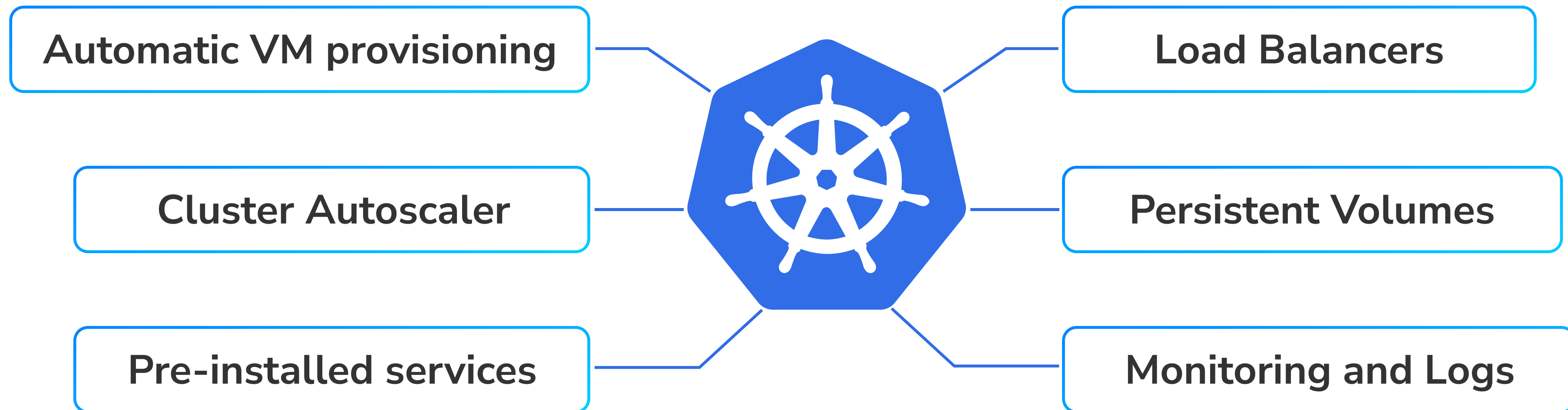


S3 Storage

Truly managed Kubernetes

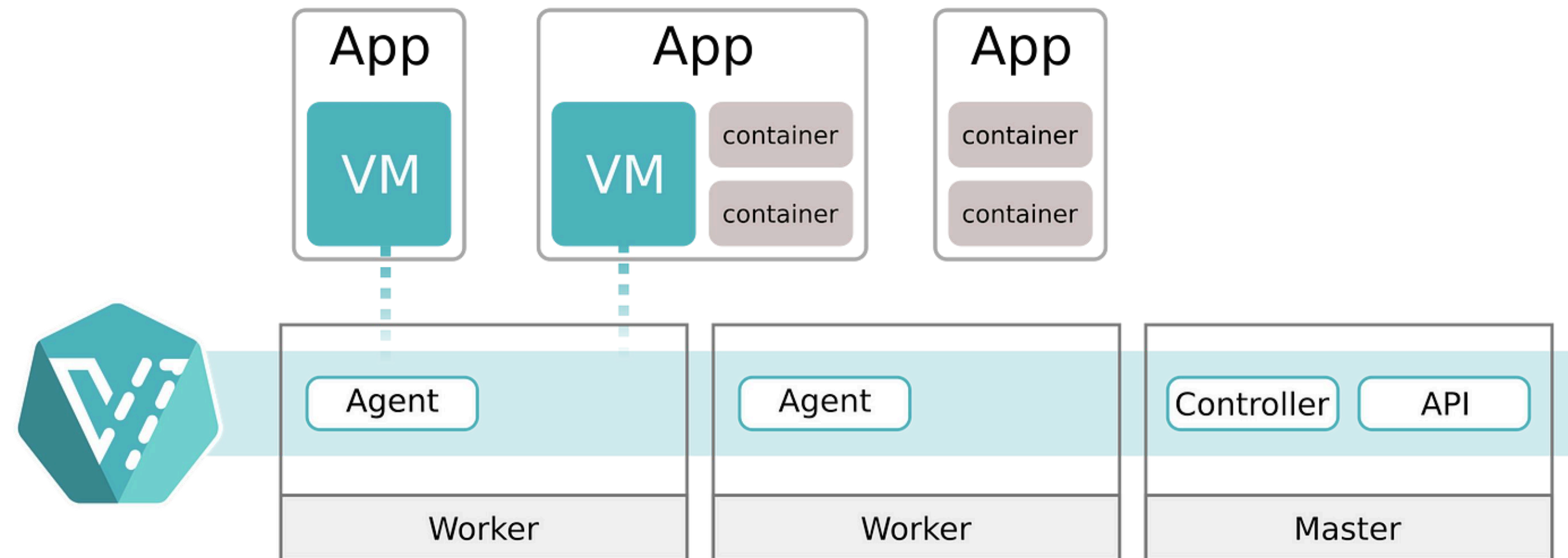
Managing Kubernetes clusters on-premises often is challenging.

We offer a simple, full-featured Kubernetes solution that just works, like in every cloud, but on your bare metal servers.



Robust virtualization system

- Ability to run VMs as pods
- Same ecosystem for containers and VMs
- GPU support for running AI workloads
- Working Kubernetes services and network policies



Databases-as-a-Service

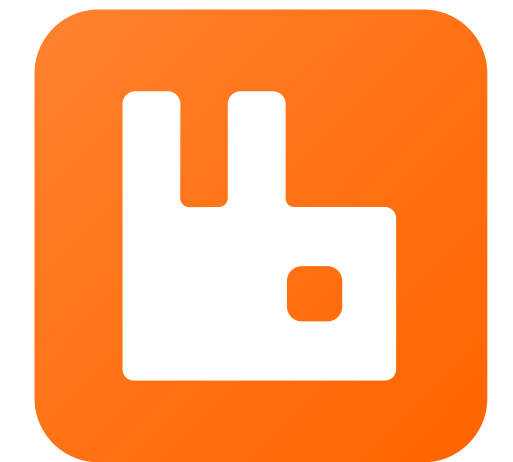
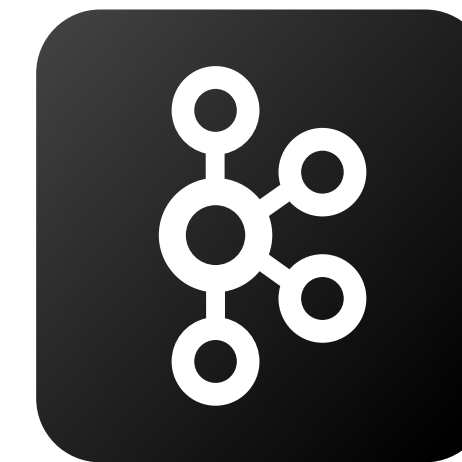
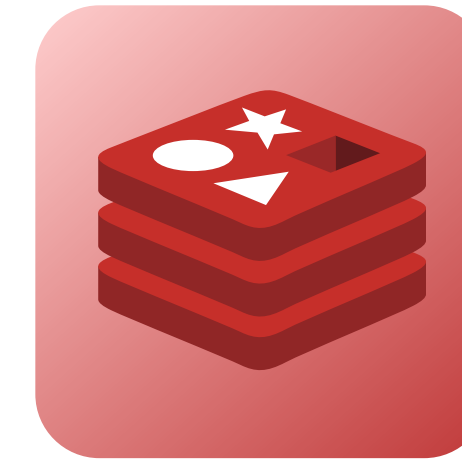
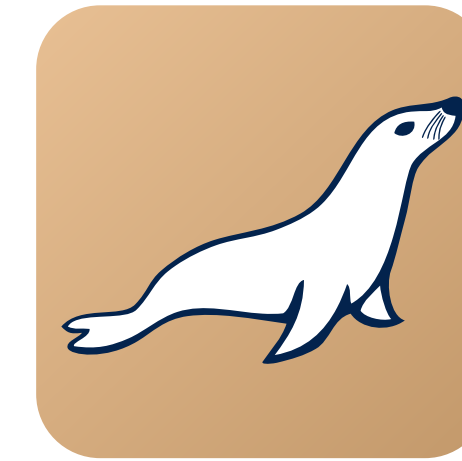
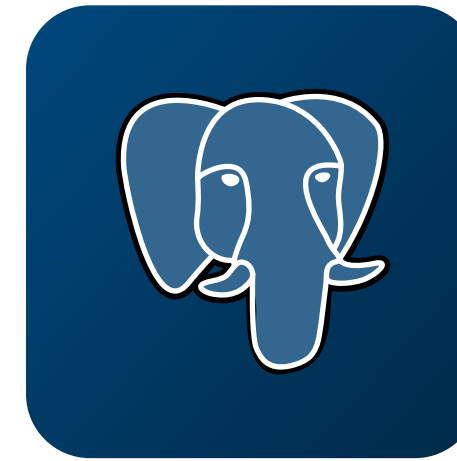
Powered by operator approach.

Highly-available by default.

With ultimate bare metal performance

You can simple:

- Create databases
- Manage users and access rights
- Configure automatic backups
- Monitor through the dashboards
- Configure and receive alerts



Full lifecycle management

Packages are managed by specialized Kubernetes operators that understand the specific logic of each application, delivering full lifecycle control, smooth deployments, self-healing recovery, and autoscaling.

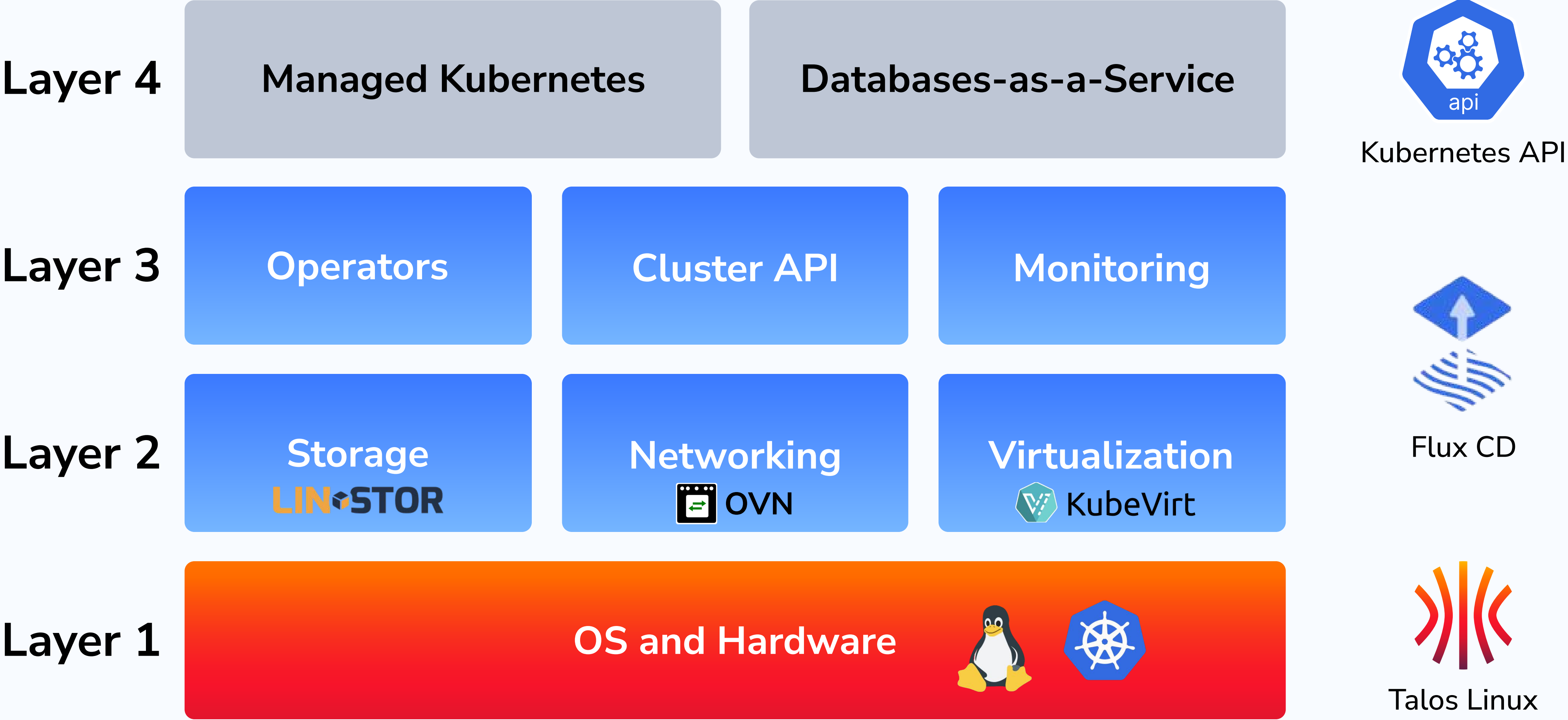


Get a ready cluster out-of-nothing in just 30 minutes:



COZYETACK

COZYETACK




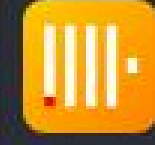





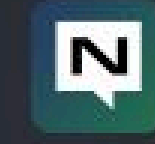
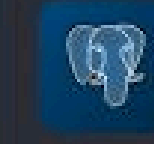

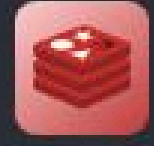
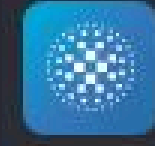
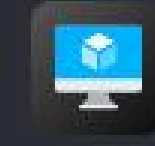

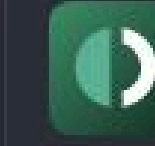
- Marketplace
- Marketplace
- IaaS
 - Virtual Machines
 - Kubernetes
 - VM Instances
 - VM Disks
 - Buckets
- PaaS
 - ClickHouse
 - FerretDB
 - Kafka
 - MySQL
 - NATS
 - PostgreSQL
 - RabbitMQ
 - Redis
- NaaS
 - HTTP Cache
 - TCP Balancer
 - VPN
- Administration
 - Info

Cluster: Namespace:

Available Products

Marketplace

Edit Mode

 <p>Bucket storage S3 compatible storage</p>	 <p>ClickHouse Managed ClickHouse service</p>	 <p>FerretDB database Managed FerretDB service</p>	 <p>HTTP Cache cache network Layer7 load balancer and caching service</p>	 <p>Kafka messaging Managed Kafka service</p>
 <p>Kubernetes compute Managed Kubernetes service</p>	 <p>MySQL database Managed MariaDB service</p>	 <p>NATS messaging Managed NATS service</p>	 <p>PostgreSQL database Managed PostgreSQL service</p>	 <p>RabbitMQ messaging Managed RabbitMQ service</p>
 <p>Redis cache Managed Redis service</p>	 <p>TCP Balancer network Layer4 load balancer service</p>	 <p>Virtual Machine compute Virtual Machine (simple)</p>	 <p>VM Disk storage Virtual Machine disk</p>	 <p>VPN network Managed VPN service</p>

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Cluster: Namespace:

apps.cozystack.io/v1alpha1/kuberneteses > Create ← Create apps.cozystack.io/v1alpha1/kuberneteses

OpenAPI Manual

metadata ^ 🔒

name 🔒

spec ^

storageClass 🔒

version 🔒

host 🔒

nodeGroups ^

md0 ^ — 🔒

minReplicas* 🔒

maxReplicas* 🔒

instanceType* 🔒

ephemeralStorage* 🔒

roles 🔒

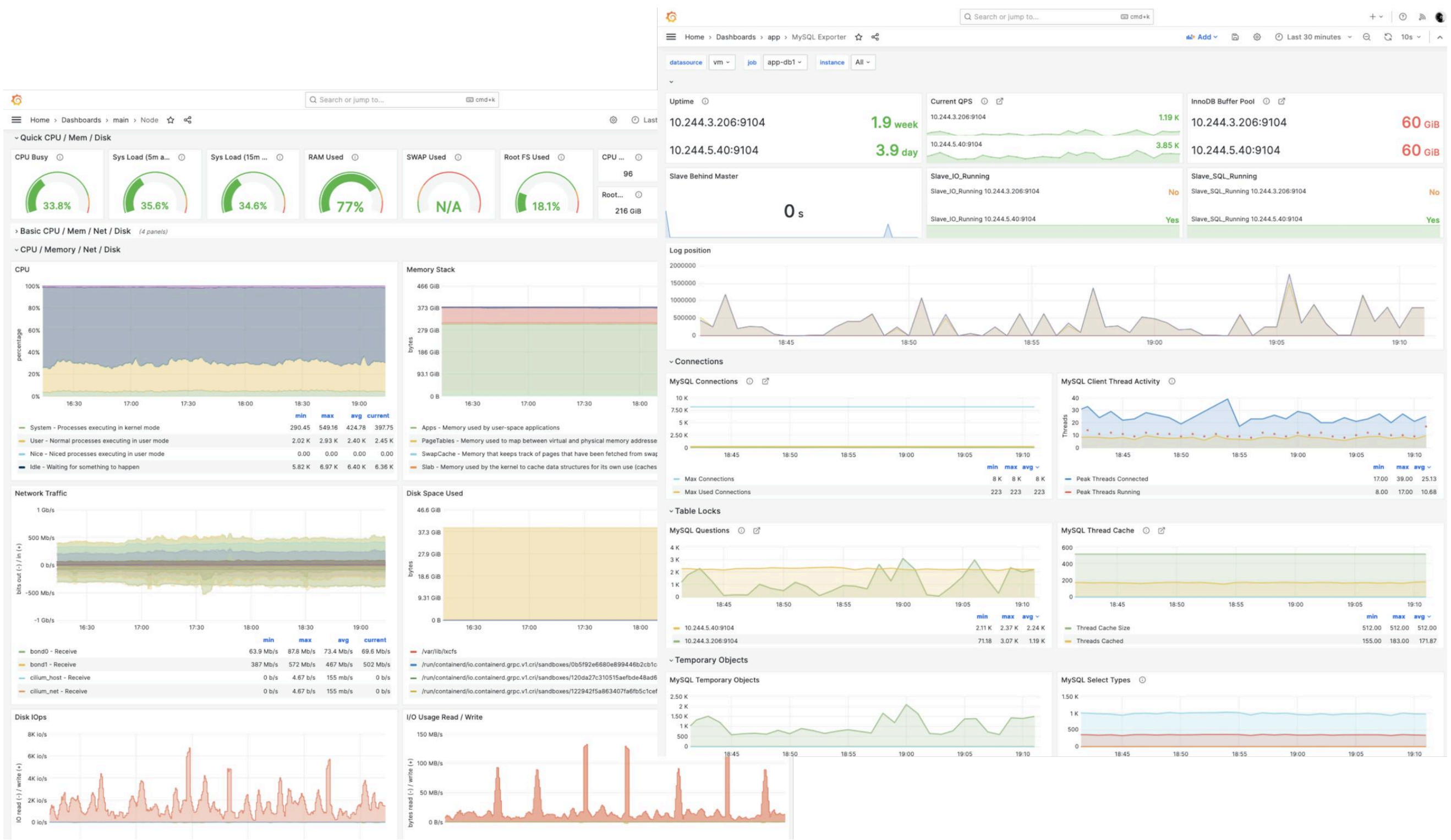
```

1  apiVersion: apps.cozystack.io/v1alpha1
2  kind: Kubernetes
3  metadata:
4    namespace: tenant-kvaps
5  spec:
6    addons:
7      certManager:
8        enabled: false
9      gatewayAPI:
10       enabled: false
11     velero:
12       enabled: false
13     fluxcd:
14       enabled: false
15     gpuOperator:
16       enabled: false
17     ingressNginx:
18       enabled: false
19       exposeMethod: Proxied
20     monitoringAgents:
21       enabled: false
22   controlPlane:
23     konnectivity:
24       server:
25         resourcesPreset: micro
26     replicas: 2
27     scheduler:
28       resourcesPreset: micro
29     apiServer:
30       resourcesPreset: medium
31     controllerManager:
32       resourcesPreset: micro
33   host: ""
34   nodeGroups:
35     md0:
36       instanceType: u1.medium
37       maxReplicas: 10
38       minReplicas: 0
39       roles:
40         - ingress-nginx
41       ephemeralStorage: 20Gi

```

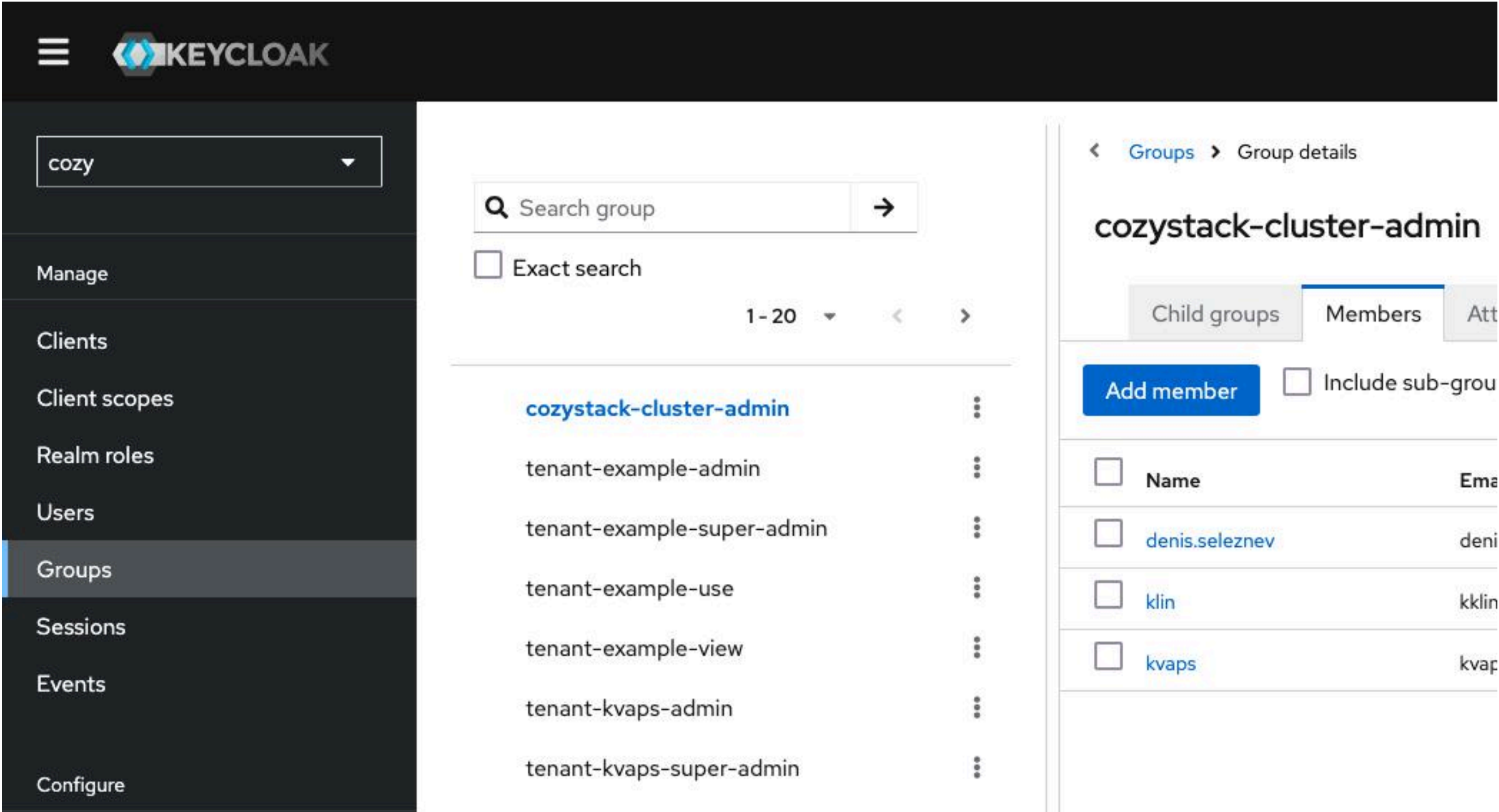
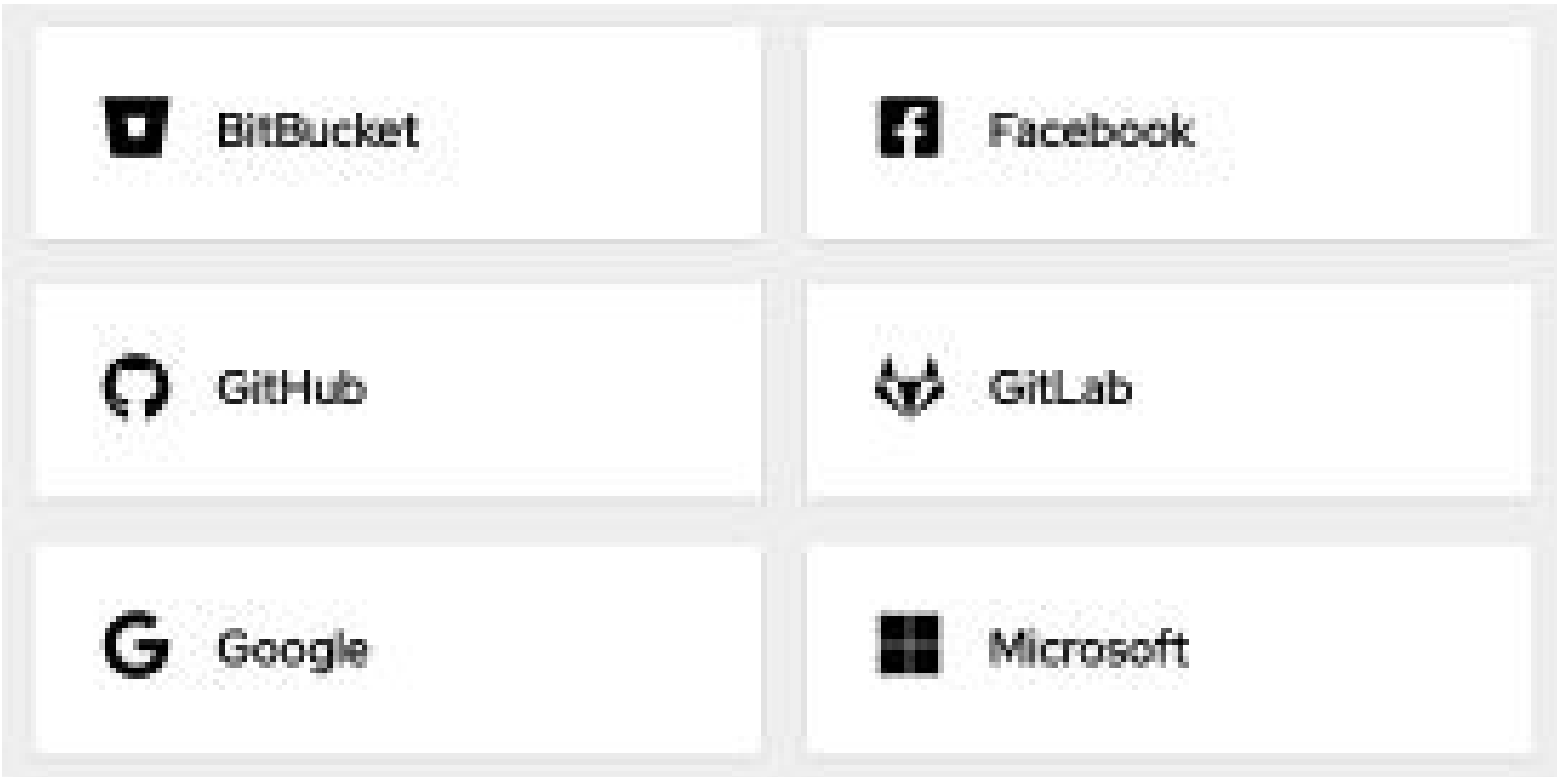
Ready monitoring stack

- Pre-configured Grafana dashboards
- Enabled automatically for every deployed service
- Integrated IRM (Incident Response Management) system
- Collecting logs and events



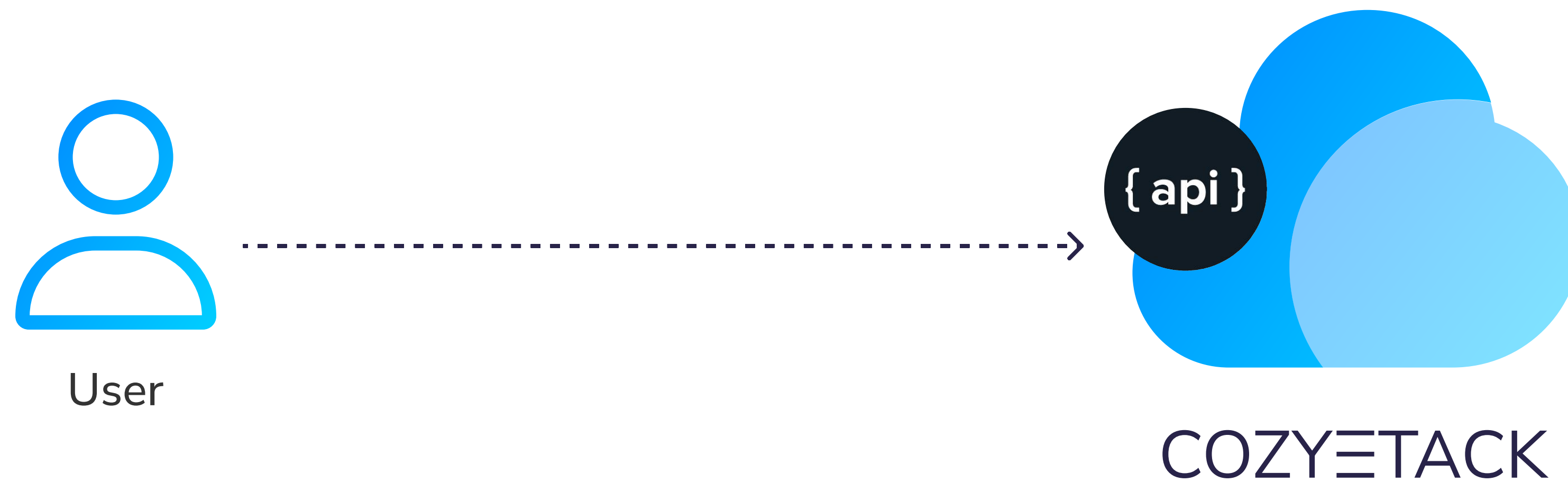
Integrated Identity Management

- Create users and manage access rights
- Assign users to multiple tenants
- Integration with LDAP and Active Directory
- Integration with known OIDC providers:



Simple integration

Cozystack offers a robust, ready-to-use backend for building both public and private clouds, and seamless integration with your infrastructure.



Easy to extend

Each package in the platform consists of a set of YAML files. Therefore, anyone with some familiarity with Kubernetes primitives can modify or expand the platform. Delivery of packages to the system is handled by FluxCD, a well-known and widely used tool in the community.



Kubernetes API:

- Bucket
- Tenant
- Postgres
- Kubernetes
- MySQL
- RabbitMQ
- Redis
- VirtualMachine

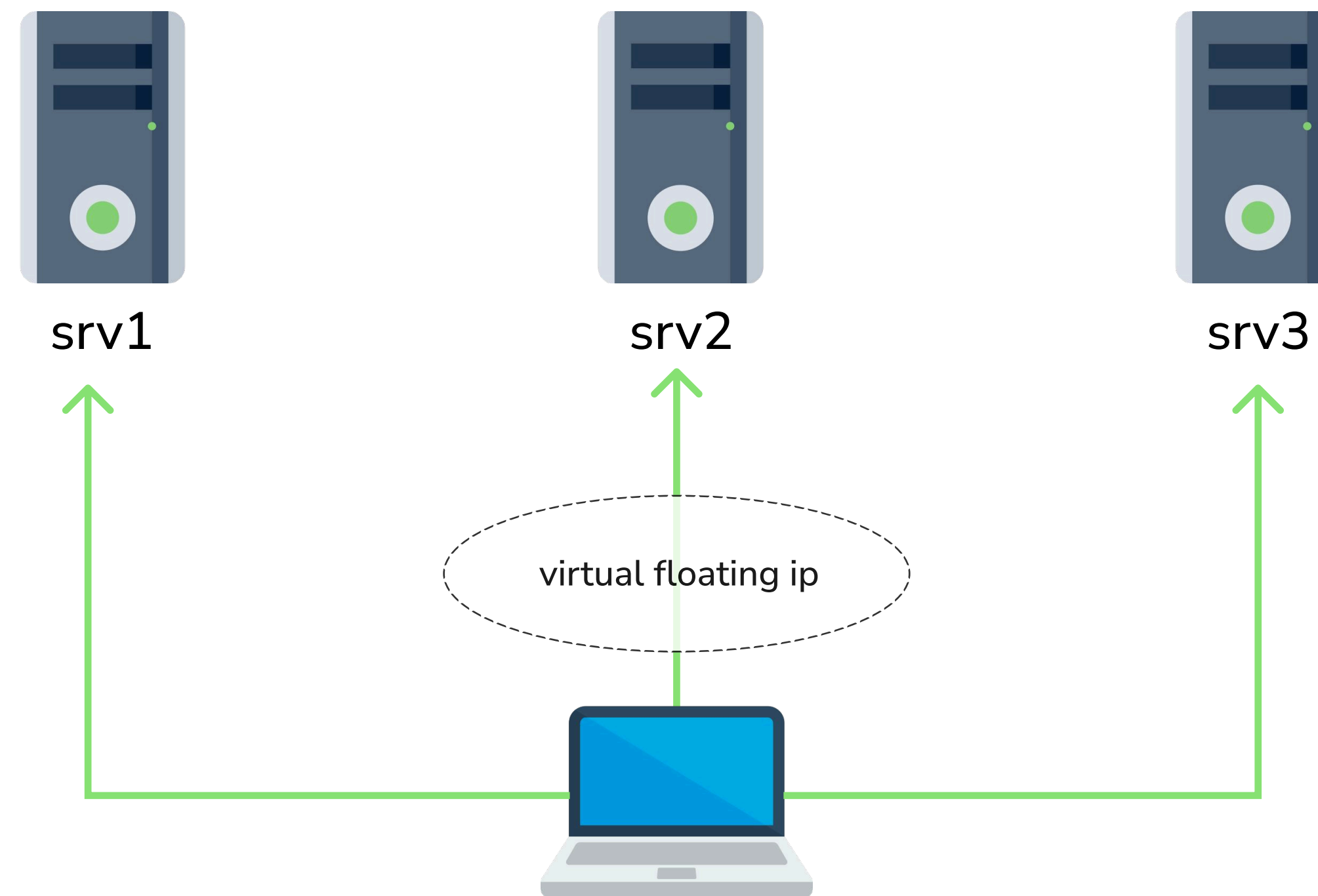
Enterprise features

- SLA-guaranteed Support 24/7
- Personalized Roadmap
- Dedicated Support Channel
- Billing System / White-labeling / Air-gapped
- Training and Education



Simple installation

We significantly simplified the cluster setup, turning the installation process into a simple and enjoyable experience.

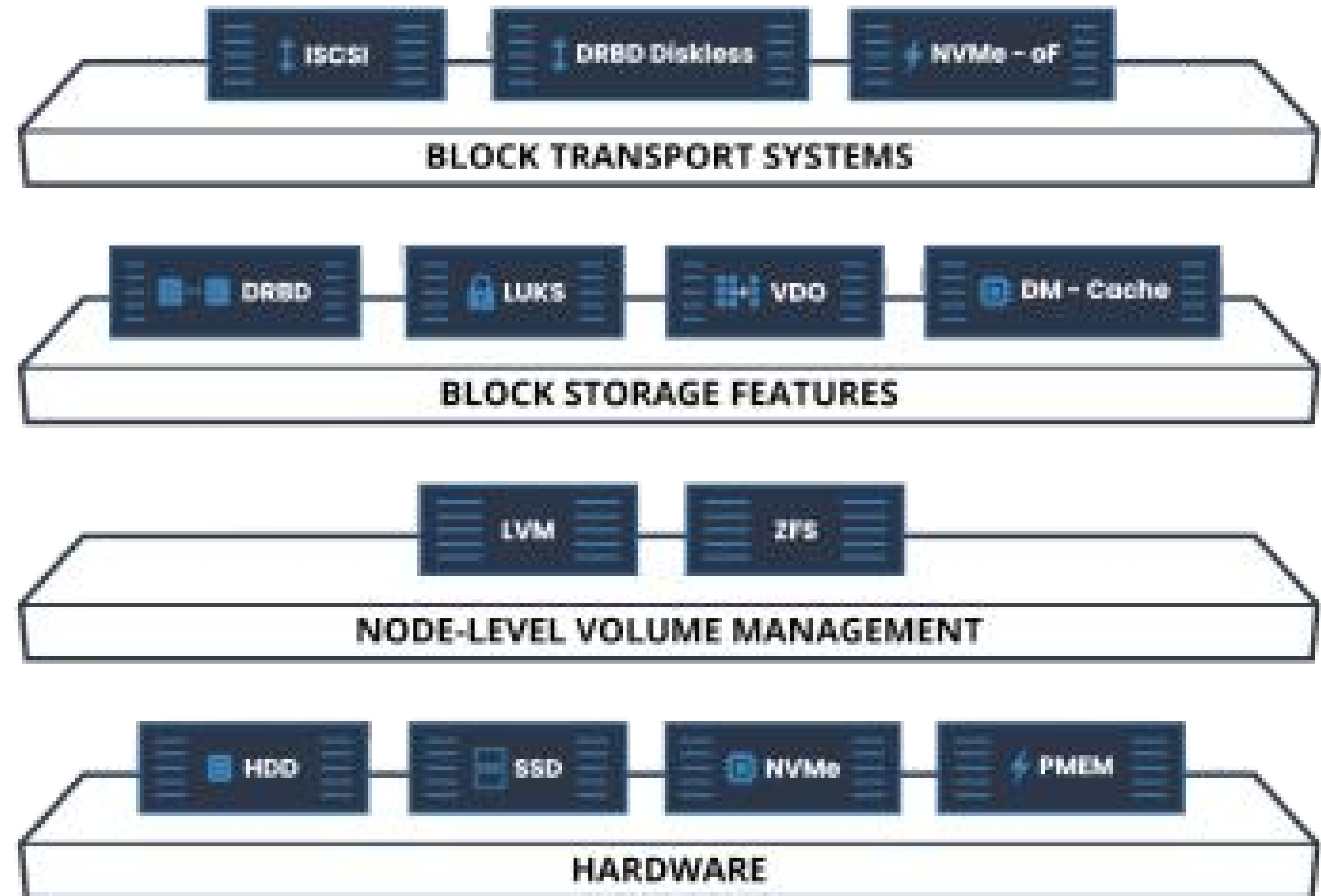


MANAGEMENT

(DHCP, matchbox, talos-bootstrap)

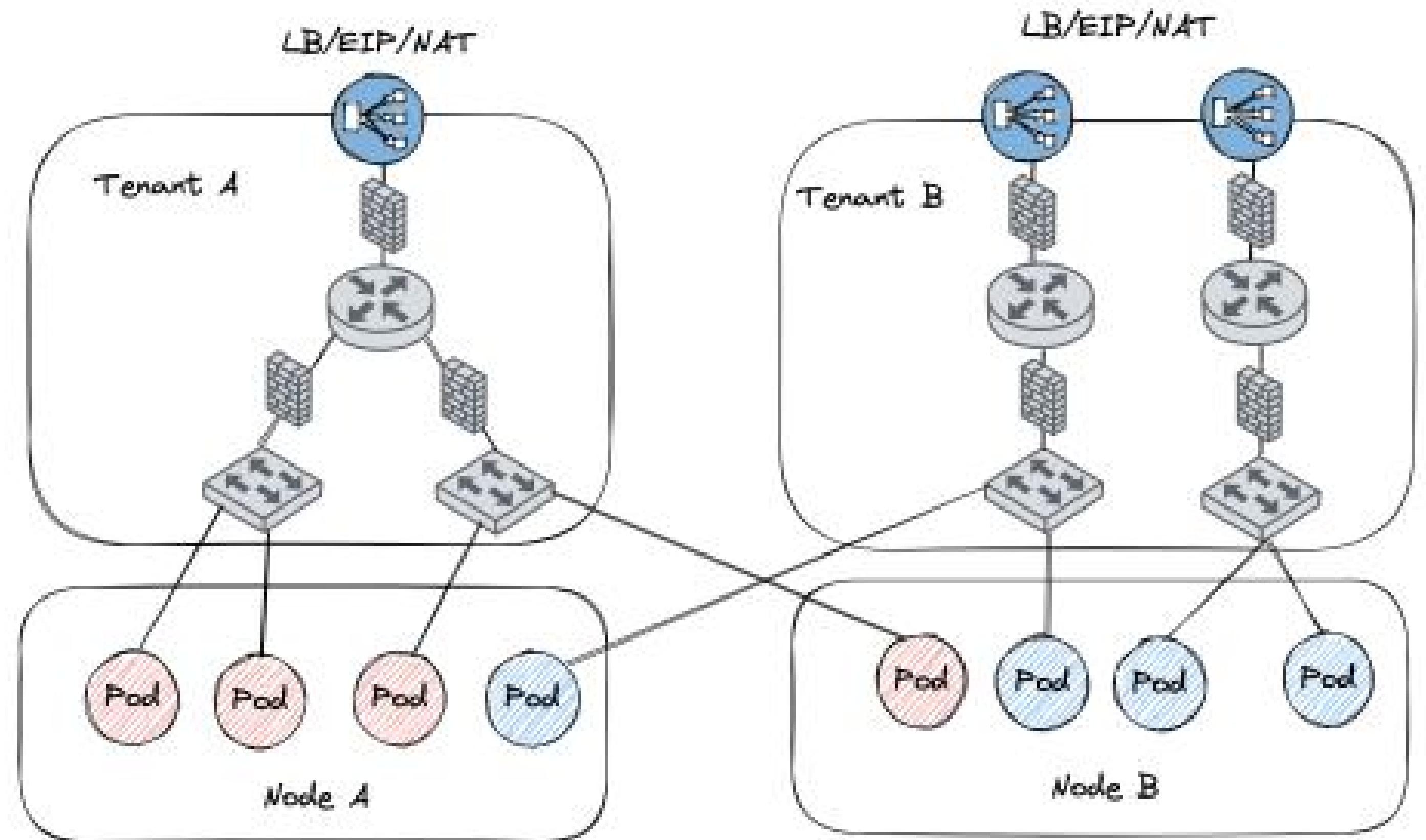
Fast and reliable storage

- Replication operating directly in the kernel
- Simple design
- Time-tested technologies
- Ready-to-use configuration



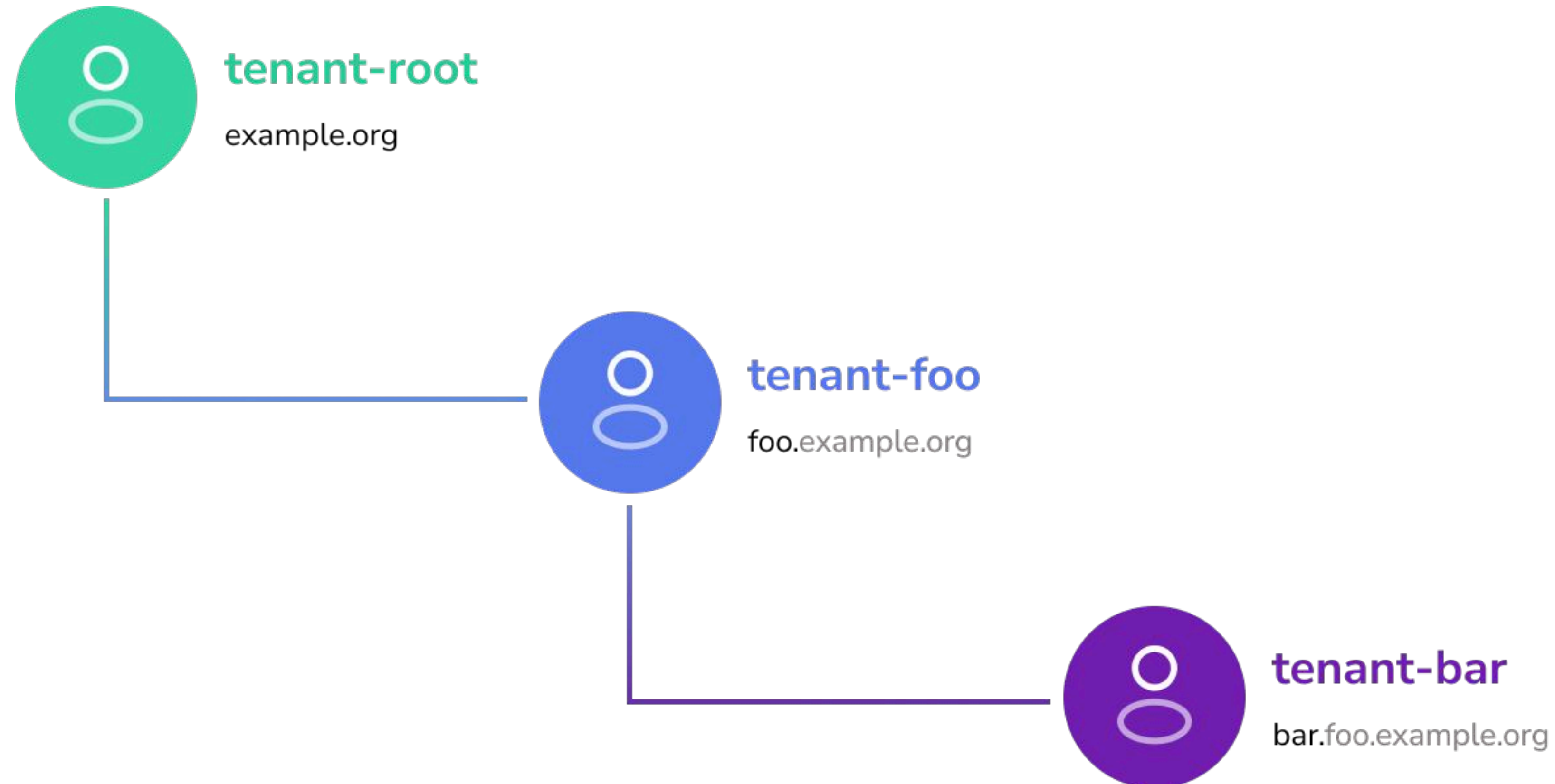
Modern networking fabric

- Multi-tenancy and VPCs (Virtual Personal Networks)
- Simple integration with your infrastructure
- Network offloading with eBPF and SR-IOV

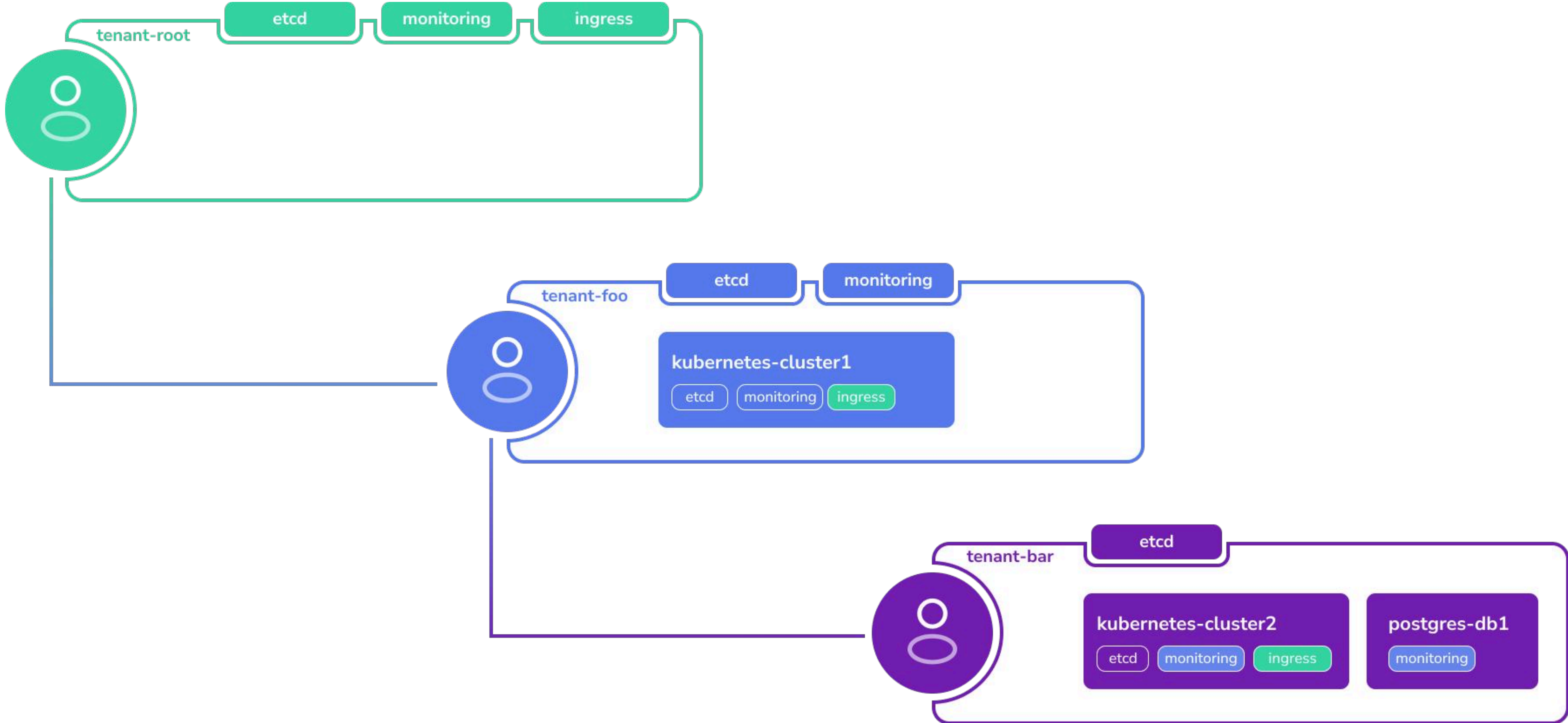


Cost efficient and secure by design

Our unique tenant model enables efficient allocation of cloud resources for the control plane, ensuring cost-efficiency and the desired level of security

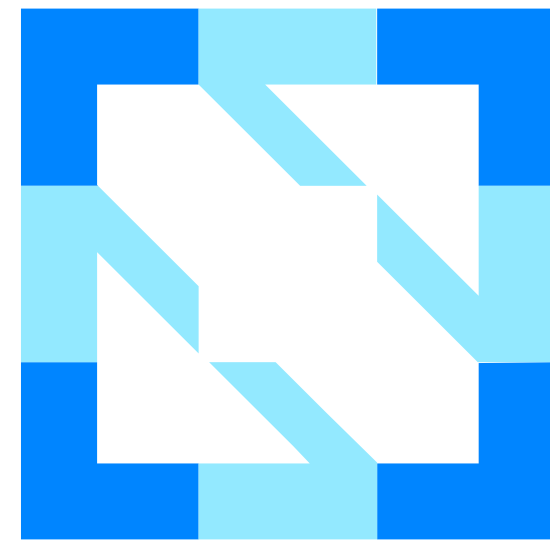


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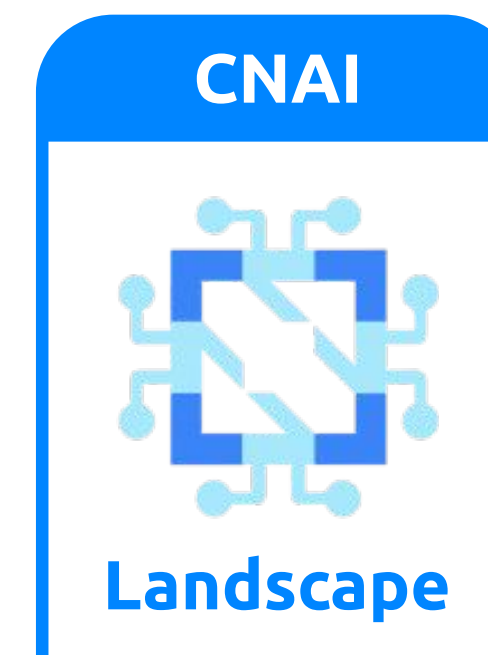


Cozystack is now a CNCF Sandbox Project

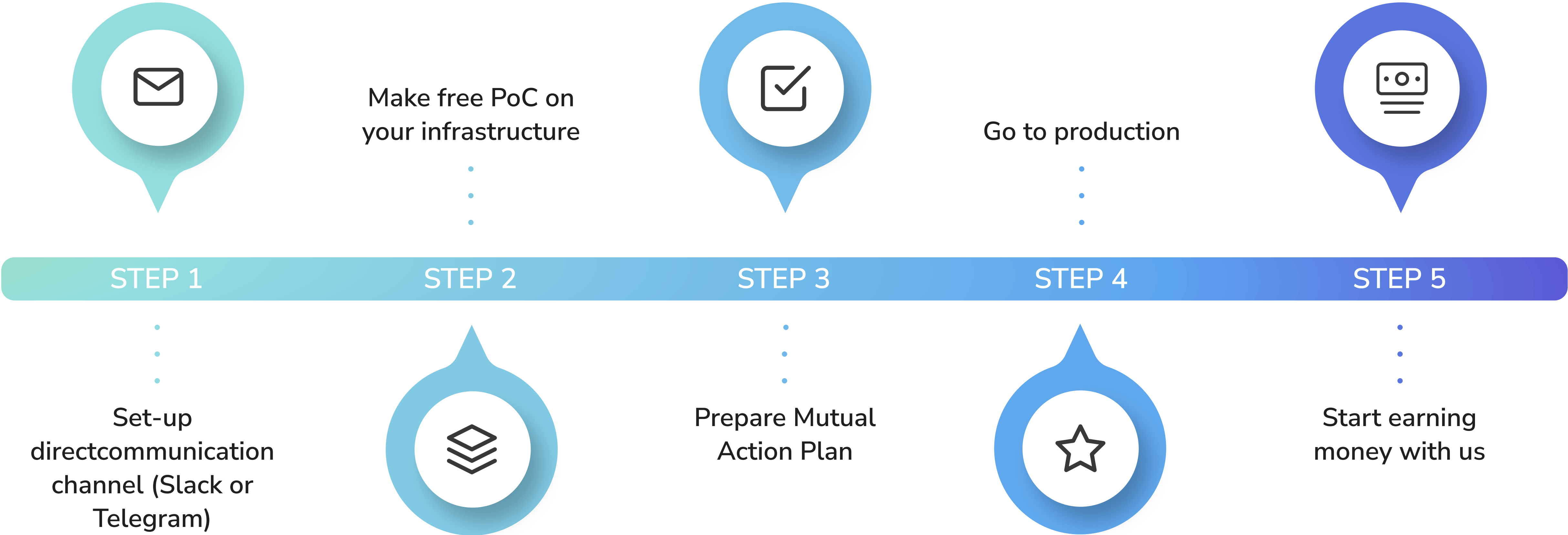
Becoming a CNCF Sandbox Project means industry recognition, no vendor lock-in, lower risks, and a future-proof solution backed by the open-source community.



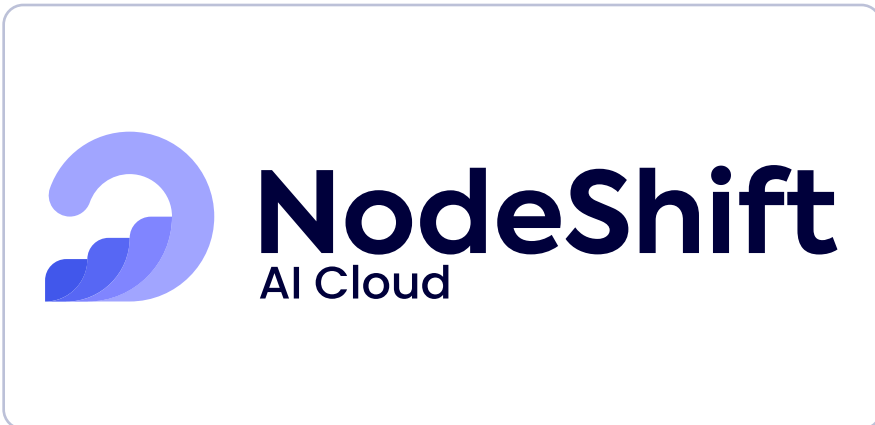
CLOUD NATIVE COMPUTING FOUNDATION



Next steps



Our Clients



ROI

Saved money compared to using AWS over 3 years including migration costs



Small business:	+ \$ 230 200	3 nodes / 10 services
Medium bussines:	+ \$ 1 277 610	12 nodes / 15 services
Enterprise:	+ \$ 8 120 500	100 nodes / 30 services

ROI

Saved money compared to using bare metal and your own development over 3 years



Small business:	+ \$ 291 600	3 nodes / 10 services
Medium bussines:	+ \$ 680 400	12 nodes / 15 services
Enterprise:	+ \$ 1 069 200	100 nodes / 30 services

Aenix

Stop worrying about your bare metal infrastructure, leave it to the professionals!



aenix.io/contact