SIDEROLABS

Kubernetes has revolutionized application development and operations

Agility

Kubernetes created a flexible, API based way to deploy, scale and manage applications

Standardization

Kubernetes runs everywhere, and offers the promise of portability.

The revolution is not over....

Kubernetes is still....

Difficult to manage

Without a consistent structure from the Operating System up, the dream of Kubernetes can be a nightmare to manage.

Demanding

Today's operations teams face intense demands for stability and security, even as deployments scale and Kubernetes skills are scarce.

It's hard!

Every enterprise has trouble deploying and managing Kubernetes at scale.

- **Securing the Operating System**
- **Securing Kubernetes**
- **Updates to Kubernetes**
- **Patching/updating the Operating System**
- **CA/User Management**
- **Network configuration**
- **and more....!**

Multiplied by the number of environments that Kubernetes runs in: each cloud provider, bare metal, or virtualized environment.

A fast, consistent way to deploy and manage Kubernetes across the enterprise ensures:

- Developers can spend time on higher value work
- Architecture is setup properly from day 1, reducing the risk of vulnerabilities and downtime
- Less experienced engineers can deploy Kubernetes with confidence, crossing the Kubernetes skills gap
- You get a cloud like experience on every environment, without vendor lock in

Sidero delivers a better way to run Kubernetes, with a completely reimagined OS to run it on.

Secure, Simple. Consistent across all environments.

With Sidero Labs you can securely deploy Kubernetes in minutes on any environment (cloud, baremetal, edge, VMware), and save your engineers 80+ days a year of ongoing OS and cluster management.

100% Open Source

Talos Linux

The Kubernetes Operating System

Secure

A minimal, immutable, secure OS with the latest kernel, and built-in network encryption that can extend a cluster into different provider networks.

Simple

Installs vanilla Kubernetes configured securely, on all platforms (cloud, virtual, bare metal, edge) - even air-gapped - with embedded best-practices.

Reliable

API-driven: No shell. No package updates. No broken configurations.

Immutable: no one off “fixes”.

Simple image based upgrades.

True Hybrid Kubernetes

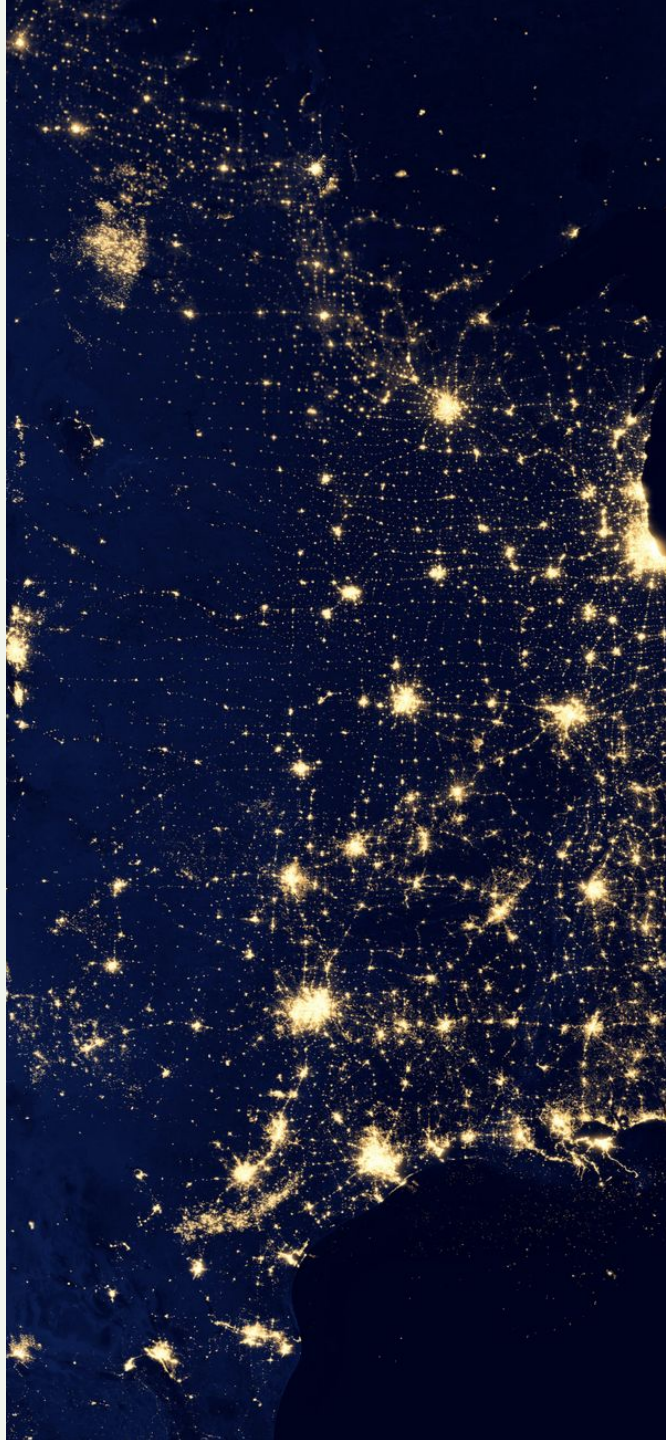
The Sidero platform allows individual Kubernetes clusters to securely span multiple environments. Manage Cloud, Virtual and Bare metal clusters the same way - even as one single cluster.

Integrate your Datacenter with the Cloud

- Run workloads in your own datacenter, where you control the costs.
- Extend your cluster by adding worker nodes for burst capacity in any of the cloud providers.

Edge Device Management Made Simple

- Simplify edge deployments by removing the need to run a control-plane at each site.
- Edge nodes can simply and securely join a cluster running in the cloud or datacenter.



200 X

Smaller

A smaller Operating System is faster and more secure.

We run Kubernetes, securely. That's all we do. Which means we need less files, less disk space.

And we give you less to manage, less to update.

Less vulnerabilities. More secure.

Time to Install or Reinstall

5

Minutes to install a Kubernetes cluster with Sidero

170

Minutes to install a Kubernetes cluster with other systems

Faster Deployments mean more deployments. More Testing. More Agility.

Disk space requirements

3,600

MB required for other Operating Systems alone

50

MB required for Sidero and Kubernetes

Less disk space, more resources for your workloads.

Files Installed

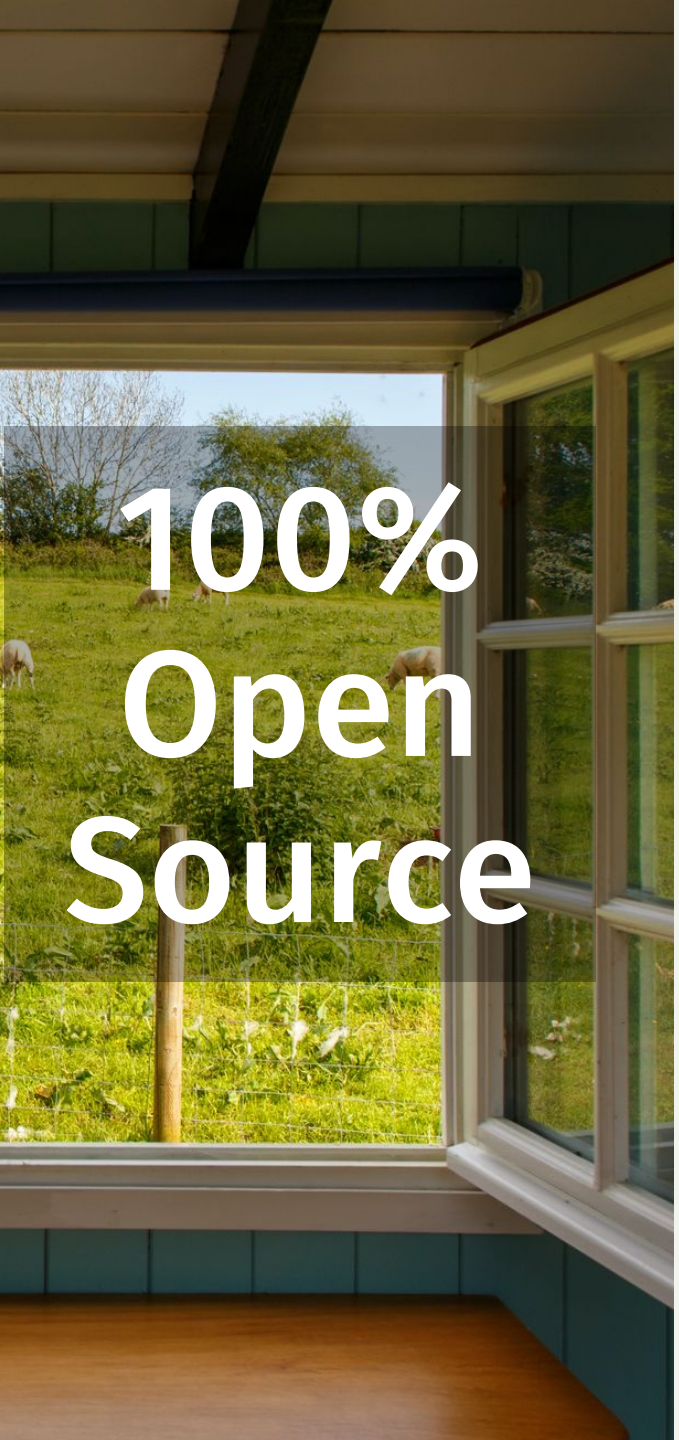
7,500

Executable Binaries installed by default on competitors

36

Executable Binaries installed by Sidero

Less Vulnerabilities



Sidero Metal

Your Bare Metal cloud for Kubernetes

Simple

Walk in to a datacenter with just a laptop, and in minutes turn a rack of servers into secure, production ready, bare metal Kubernetes clusters.

Automated

Clusters are provisioned (or re-provisioned) automatically from declarative definitions, resulting in secure Kubernetes deployments.

Complete

Categorize servers based on memory, CPU, labels.

Disks wiped when removed from cluster.

Servers powered on/off as needed.

Trusted in production

EQUINIX

TREMOR VIDEO

> “Talos is exactly what we needed: a lightweight and highly secure OS that allows us to deploy large immutable clusters in minutes without the overhead of traditional operating systems”

Tom WIlliams, Fivium

> “The Sidero platform gives us the stability and security we need so we can focus on our business, not the infrastructure”

Jori Huisman, VOIPFabric

Support and Services

Open Source

- Free to use
- Community support
- Deployment options for VMware, AWS, GCP, Azure, Bare Metal, SBCs and more

Enterprise Support

- 24 x 7, 1 hour response time SLA available.
- Support engineers experienced in operating large Kubernetes deployments
- Account Managers ensure effective deployments and business value

Professional Services

- Architecture reviews
- Help your team become best in class
- Training available
- Design for complex environments to ensure future stability and security
- Best Practices reviews