

Secure, Scalable Kubernetes Operations with Mirantis k0rdent + Calico

Enterprise Kubernetes for scale, security, and speed

Modern enterprises are building modern Kubernetes platforms that span data centers, public clouds, and the edge. Together, Mirantis and Tigera deliver a unified Kubernetes foundation that enables teams to ship software faster, without sacrificing security, visibility, or compliance.

Customer Challenges

Organizations adopting Kubernetes at scale commonly struggle with:

- **Operational complexity** across multi-cluster, hybrid, and multi-cloud environments
- **Inconsistent networking and security controls** across Kubernetes distributions and infrastructure
- **Limited visibility** into workload-to-workload communication, impeding troubleshooting and incident response
- **Compliance pressure** from frameworks like PCI DSS, SOC 2, HIPAA, and FedRAMP
- **Operational overhead** due to sidecars, overlays, and fragmented tooling

Platform teams need a solution that simplifies operations while enforcing consistent, zero-trust security everywhere.

Mirantis k0rdent + Calico: Better Together

Mirantis k0rdent and Calico combine to create a secure, scalable Kubernetes platform designed for modern enterprise needs.

Mirantis k0rdent

- ✓ Centralized lifecycle management for Kubernetes clusters across cloud, on-prem, edge, and bare metal
- ✓ Support for upstream Kubernetes and enterprise-grade distributions
- ✓ GitOps-driven automation and CI/CD integration
- ✓ Simplified day-2 operations with declarative composability and consistent platform controls across diverse infrastructure and services

Tigera Calico (Enterprise / Cloud)

- ✓ eBPF-powered networking for high performance
- ✓ One platform for all Kubernetes traffic: ingress, egress,
- ✓ Zero-trust network security with identity-aware policies and microsegmentation
- ✓ Deep observability with flow logs, metrics, and packet-level visibility
- ✓ Consistent audit-ready compliance reporting

Benefits

- **Operational Simplicity at Scale:** Manage Kubernetes environments from a single control plane while enforcing consistent networking and network security policies everywhere.
- **Zero-Trust Security by Default:** Apply fine-grained, workload-based network policies to prevent lateral movement and reduce attack surfaces.
- **Built for Performance:** eBPF-powered networking delivers high throughput and low latency, ideal for modern applications and AI workloads.
- **Compliance Without Friction:** Automated policy enforcement and detailed audit logs simplify compliance with regulatory and internal standards.
- **Open, Flexible, and Proven:** Built on open source foundations with enterprise-grade support, no vendor lock-in, no compromise.

Use Cases

- **Application Modernization:** Securely connect containers, VMs, and bare metal under a unified policy framework while modernizing legacy applications.
- **AI and ML Workloads:** Support high-performance, data-intensive pipelines with scalable networking and strict workload isolation.
- **Multi-Cloud and Hybrid Operations:** Standardize Kubernetes networking, security, and observability across clouds and on-prem environments.
- **Edge Deployments:** Extend consistent security and visibility to distributed edge clusters with lightweight Kubernetes and centralized management.
- **Regulated Environments:** Enable secure modernization for government, financial services, healthcare, and other highly regulated sectors with consistent policy enforcement, strong isolation, and verifiable compliance.

Request a Technical Demo of Calico + Mirantis k0rden

See how Calico and k0rdent deliver secure, scalable Kubernetes operations.
Schedule your personalized 30 minute demo today.

[Request a Demo](#)



Mirantis delivers the fastest path to enterprise AI at scale, with full-stack AI infrastructure technology that removes GPU infrastructure complexity and streamlines operations across the AI lifecycle, from Metal-to-Model. Today, all infrastructure is AI infrastructure, and Mirantis provides the end-to-end automation, enterprise security and governance, and deep expertise in Kubernetes orchestration that organizations need to reduce time to market and efficiently scale cloud native, virtualized, and GPU-powered applications across any environment – on-premises, public cloud, hybrid, or edge. Mirantis serves many of the world's leading enterprises, including Adobe, Booking.com, Ericsson, Inmarsat, MetLife, PayPal, RBC, and Societe Generale. Learn more at www.mirantis.com.



Tigera provides Calico, a unified network security and observability platform to prevent, detect and mitigate security breaches in Kubernetes clusters. Tigera's open-source offering, [Calico Open Source](#), is the most widely adopted container networking and security solution.

Powering more than 100M containers across 8M+ nodes in 166 countries, Calico software is supported across all major cloud providers and Kubernetes distributions, and is used by leading companies including Discover, Chipotle, NBCUniversal, HanseMerkur, Box, Siemens Healthineers, Playtech, Royal Bank of Canada, and Bell Canada.