

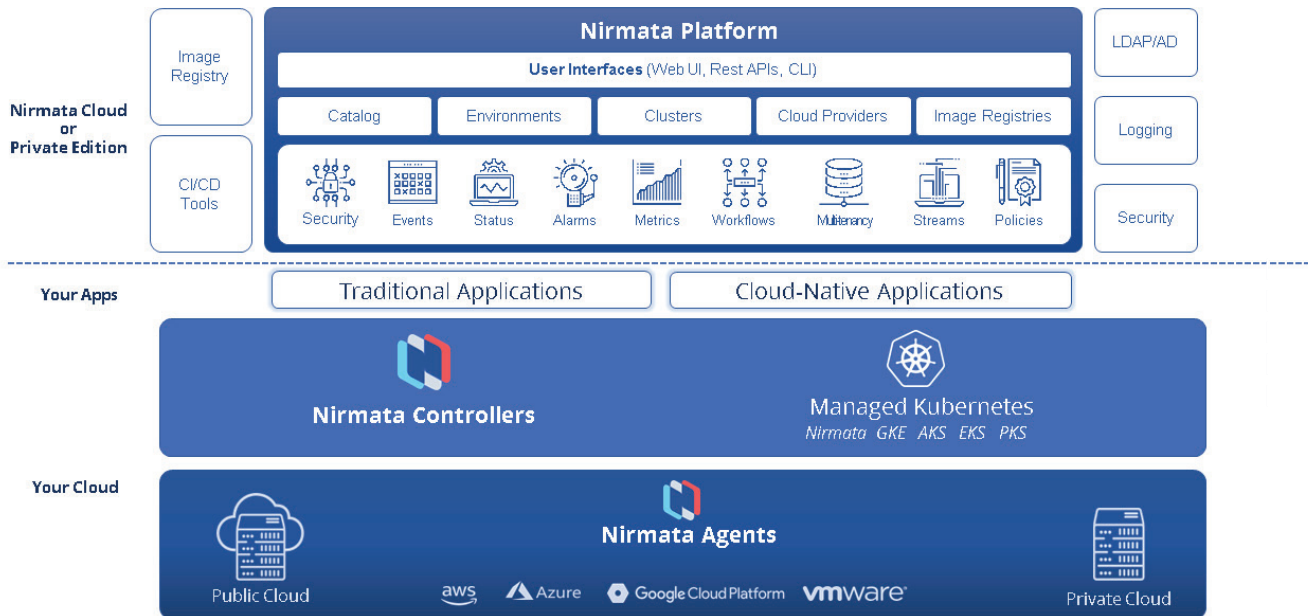


Enterprise-Wide Kubernetes

Accelerate your cloud-native journey using Nirmata

Enterprises are looking to increase developer efficiencies and gain agility using containers, Kubernetes, and open source software. Business and regulatory concerns require that enterprises architect their applications to be cloud provider and vendor agnostic. However, managing business-critical applications at scale and across clouds is complex, cumbersome, and costly.

Nirmata provides an open and easy-to-adopt platform to deploy, operate, and optimize Kubernetes workloads on any infrastructure. With Nirmata, enterprises can standardize on Kubernetes as their multi-cloud operating system, cleanly decouple applications from infrastructure, and leverage open source innovation. The Nirmata solution is designed for enterprise IT operations teams that are chartered to provide application management services across business units. Typical use cases include 1) application consolidation (50-70% savings); 2) application modernization (10-20x agility); and 3) application migration (portability across clouds).



Benefits

- **Composable** - Design your own Kubernetes stack with best in class tools that fit your requirements. Let Nirmata manage consistency across the component within your stack.
- **Any Kubernetes** - Nirmata itself supports 100% upstream Open Source and it can manage most of public, commercial and managed Kubernetes instances. There is no curation with Nirmata.
- **Zero Lock-in** - Nirmata deploys 100% upstream Kubernetes, allows you to access the Kubernetes clusters directly if you need to and if you so desire to manage clusters directly tomorrow, Nirmata get out of the way.
- **Infrastructure Agnostic** - Deploy your Kubernetes clusters anywhere - public cloud, private cloud, hybrid, or bare metal. Install new, or manage existing, clusters.
- **Application-aware** - Workload-based optimization, to auto-tune across clouds.
- **Web-scale** - Single pane of glass management across clusters across any cloud with built-in metrics, alarms, and remediation.
- **White Glove Service** - Experienced Customer Success team that supports you at every step of your journey.

Certifications



Simplified Kubernetes Deployment

- Deploy production-grade Kubernetes anywhere in **minutes**.
- Deliver clusters on **any cloud** or your own on-premises hardware.
- **Discover** existing Kubernetes clusters and get full visibility into deployed resources.
- Apply **policies** to ensure consistent behaviors for cluster components and workloads.
- Integrate with service catalogs using RESTful APIs for **self-service** delivery.

Governance

- Deliver **logical environments** on shared clusters.
- **Multi-tenancy** for different IT and development team.
- **Granular access** control for teams, applications and environments.
- Flexible, multi-level **isolation policies** to ensure each application's environment is fully segmented and isolated.
- Allocate and manage **resource quotas** for your teams and applications.
- Ensure your application deployment across clouds and on-premises are always **compliant** with corporate policy requirements.
- Stream cluster events and **audit trails** to your central repositories.
- **Automate secrets management** using key managers such as Vault.
- Build and offer curated **application catalogs** to enable development teams.
- Use **change management** policies to control and track the flow of changes from CI/CD tools to your dev-test, staging, and production environments.

Application Portability

- Easily **clone** your applications across clusters and clouds.
- **Environment separation**, through manifests for container & pods, makes infrastructure transparent and allows developers to focus on applications
- **Resource Patch Policies** enhance application portability by automatically injecting YAML's while deploying applications on different environments, clusters or clouds.

Automated Cluster Management

- Manage **multiple clusters** and workloads from a single console.
- **Automatically scale** clusters up or down based on metrics, conditions, and on-demand triggers.
- Optimize **infrastructure utilization** through elastic cluster scaling while controlling costs and ensuring high availability.
- Leverage AWS Spot Instances and other market priced resources for **cost optimization**.
- Get complete visibility into cluster and workload performance with integrated **monitoring and logging** features.

Features for Developers

Kubernetes Application Modeling

- Easily **model** complex applications without writing and managing YAML files.
- **Export** any application as Kubernetes compliant YAMLs.
- Rapidly **convert** your existing 3-tier and traditional applications to cloud-native applications.
- **Compose** new applications from a Helm repository or by importing YAML files.
- **Automatically generate** required YAML files (manifests) that can be deployed directly to your Kubernetes cluster.

Continuous Delivery

- **Integrate** with existing CI/CD tools like Jenkins and Bamboo to fully automate deployment pipelines.
- Enable **automated deployment pipelines** and container image management across various dev-test stages for end-to-end lifecycle management.
- Get visibility via intuitive web **dashboards** or directly via command line tools.

Faster Troubleshooting and Proactive Assessment

- Continuously **monitor** running applications and generate alerts for unexpected conditions.
- Create **custom alarms** for specific conditions, metrics, or state changes.
- Apply **proactive actions** based on specific alarms and thresholds.
- Access exited container **logs and monitoring data**, for forensics and troubleshooting.
- Use an **integrated Cloud Shell** to access your cluster and containers without requiring complex VPN or SSH.
- **Stream** container logs directly to a browser for quick analysis.

On-demand Application Requirements

- **Deploy applications** from a catalog or directly push applications to an existing environment.
- Manage full **application lifecycle** using Kubernetes commands or via an intuitive web interface.
- **Automatically scale** your application based on resource utilization.

