

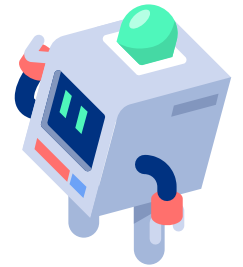
The Enterprise Kubernetes Platform

Accelerate Your Cloud Native Journey with Nirmata

The Growing Complexity in Application Operations

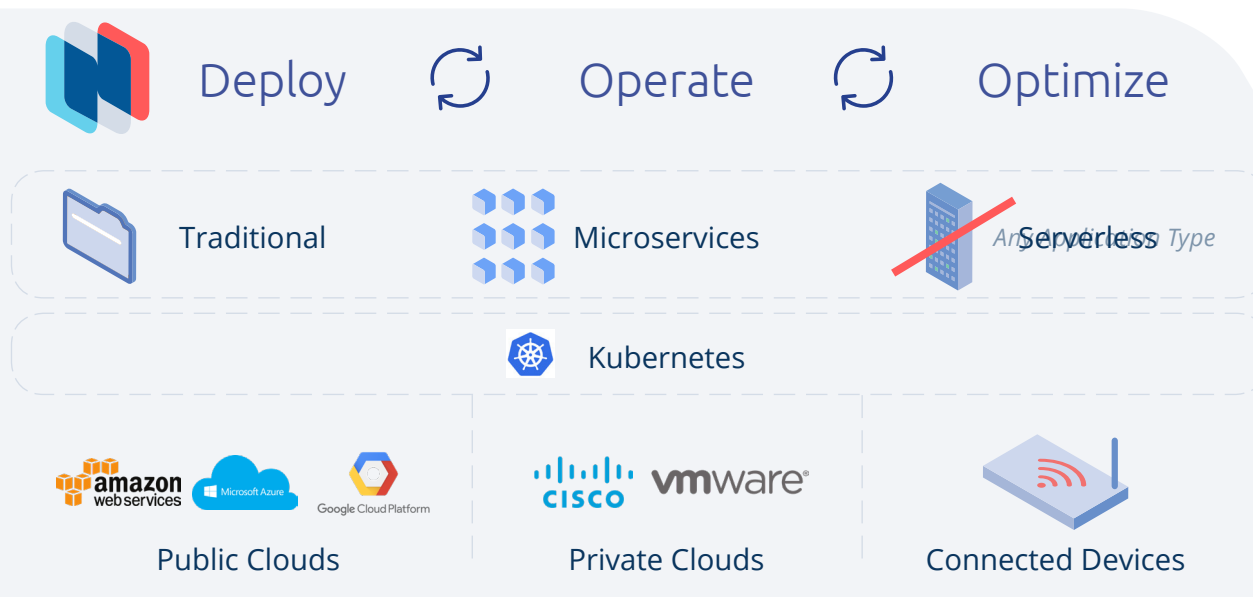
Enterprises are adopting cloud-native technologies for agility, portability, and efficiency at scale. As containers have accelerated the promise of cloud native applications, enterprise operations teams are challenged with the growing complexity of managing the container infrastructure and providing self-service environments to developers with agile delivery. Enterprise operations teams have to determine the right approach for application containerization and continuous delivery, and carefully plan for the associated complexity and required skillsets. Aligning this plan with the current cloud strategy, and fixed budgets, while supporting existing applications poses a significant challenge.

This is where Nirmata excels! Nirmata simplifies cloud-native application lifecycle management through a Kubernetes powered platform. Nirmata's turnkey, application-centric platform natively supports both traditional and microservices-style applications, so that your teams can easily manage multiple clusters and your entire application portfolio across all your environments from a single interface.



Benefits

- **DevOps Agility:** Accelerate container adoption, achieve greater deployment frequency and increase feature velocity.
- **Seamless Application Management:** Rapidly model, build and deploy your applications - anywhere!
- **Adaptive Scaling:** Automated application scaling ensures rapid response to business needs.
- **Increased Flexibility:** Move your workloads anywhere in a multi-cloud world. Deploy either the Nirmata SaaS or Private Edition based on your business needs.
- **Greater Efficiency:** Improve resource utilization while reducing operational complexity and costs.
- **High Availability:** Improve your application performance and availability.
- **No Lock-in:** Pure play open-source Kubernetes edition with no curation and easy application porting.



Features for IT Ops

Simplified Kubernetes Deployment

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

Application Portability

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

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.

Governance

- Deliver **logical environments** on shared clusters.
- **Multi-tenancy** for different IT and developer groups.
- **Granular access control** for applications and environments.
- Flexible multi-level **isolation policies** to ensure each application's environment is fully segmented and isolated.
- 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.
- **Integrate** with your existing security and governance tools.
- 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.

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 application containers on any cloud, without requiring complex VPN or SSH.
- **Stream** container logs directly to a browser for quick analysis.

On-demand Application Environments

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

