PLATFORM9

A better way to go cloud native

Platform9 Managed Kubernetes (PMK)

Offload cluster management and focus on your apps

PMK SaaS centrally manages complex Kubernetes deployments on-premises, in public clouds, and at the edge. It remotely monitors, optimizes, and heals your clusters and underlying infrastructure so you can confidently run production-grade Kubernetes anywhere.

Fast deployments

Spin up a test cluster in under five minutes on a VM, physical server, or in the cloud. Use our advanced capabilities for production clusters such as self-service, auto-provisioning of bare metal servers, a built-in virtualization layer to deploy PMK on VM nodes, and more. Or, deploy and scale your clusters in public clouds using our native integrations.

Remote monitoring

Let our centralized SaaS management plane remotely monitor cluster upgrades and overall health 24/7/365 with automatic alerts for critical issues. Prometheus and Grafana are automatically set up during your cluster deployment to provide cluster, node and pod metrics in a single view. Cluster issues are proactively auto-corrected and your Ops team is notified of problems related to your physical infrastructure.

Easy upgrades and security updates

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### Full compatibility with existing tools

PMK handles all aspects of Kubernetes integration – from built-in monitoring that integrates with your Slack channels and SSO provider to automatically forwarding logs to your aggregator. It is a complete platform with enterprise-ready features and integrations to run production Kubernetes at scale.

Enterprise-grade SLA

PMK is the first service in the industry to offer a financially-backed 99.9% uptime SLA for Kubernetes clusters running on-premises, in public clouds, and at the edge. Metrics, responsibilities, and expectations are clear with customized SLAs aligned to business objectives

Experienced Kubernetes experts available 24/7/365

Our customer success team maintains a consistent 99.9% CSAT rating, supporting those just getting started with Kubernetes through to large enterprises with business and mission-critical 24/7/365 operations.100% of our support team are Certified Kubernetes Administrators (CKA).
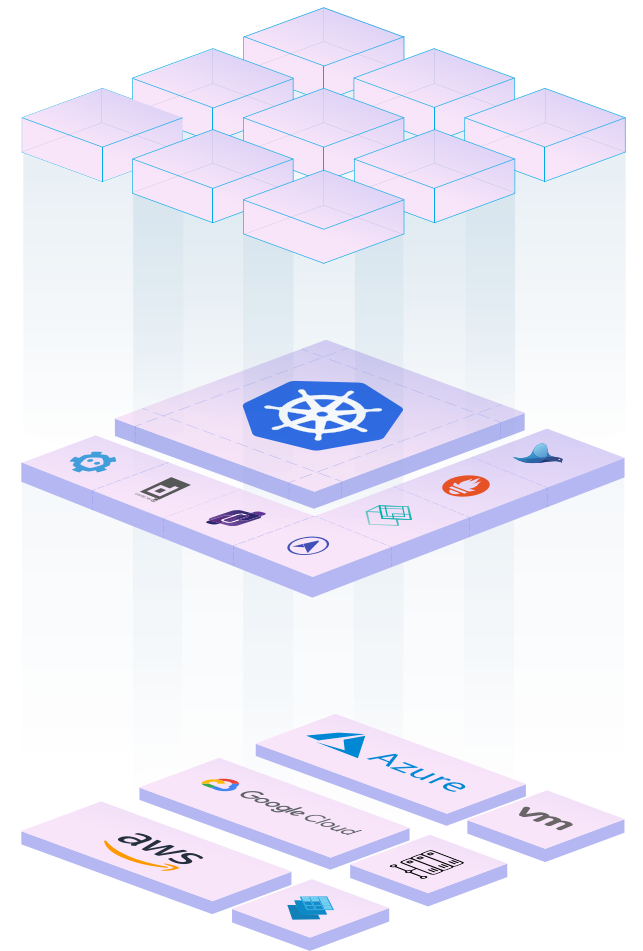
Platform9 delivers Kubernetes plus the all the essential add-ons needed for production at scale – all supported by Platform9 24/7 with **99.9% SLA.**

Industry accolades

Platform9 is #1 user ranked **container management service**, with user rating of 4.8/5.

MAVENIR   **JUNIPER** NETWORKS   **rackspace** technology   **CLOUDERA**   **precisely**   **SambaNova** SYSTEMS

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> To get our products to market quickly, the last thing we needed to worry about was running Kubernetes 24x7, managed, maintained, and upgraded. Platform9 solved that problem for us with their SLA-backed managed service.
>
> Ravi Ravichandran
> VP, Juniper Networks

Use cases

ISV application delivery

Deploy your containerized app directly to tens of thousands of edge customer locations. Make fast and frictionless updates using remote upgrade and update capabilities.

CI/CD

Accelerate development cycles by leveraging native integration betweenyour CI/CD system and Kubernetes. Useour certified recipes for deploying Jenkins,CircleCI, and ArgoCD on top of PMK.

Retail edge

Fully automate your storedeployment end-to-end using PMK on top of our remote Managed Bare Metal capability.

Web applications

Build web applications that run in a secure, highly available manner and scale up and down automatically. Use our out-of-the-box integrations for service load balancers, network policies, security, and persistent storage to run your applications reliably.

Telco/5G edge

Fully automate your store   deployment end-to-end using PMK on top of   our remote Managed Bare Metal capability.

Machine learning

Efficiently run your machine learning workflow software such as Kubeflow on large datasets using PMK running on-premises for cost efficiency. Burst to public clouds by creating a multi-cluster hybrid environment on PMK.

System requirements

Master nodes	• Linux OS (Ubuntu/CentOS) • 3 physical servers (recommended) — CPU: 4 , cores; RAM: 8GB; storage: 30GB • Networking — NIC with PXE boot enabled attached to the provisioning network; application and Ops NIC attached to any network
Network	• Provisioning: A dedicated flat network for bare metal nodes orchestration utilizing IPMI • Management (optional): a dedicated network for controller configuration • Bare metal nodes — support for IPMI and PXEboot • Networking — NIC with PXE boot enabled attached to the provisioning network; application and Ops NIC attached to any network
Worker nodes	• CPU: 2 cores; RAM: minimum 8GB, tuned based on cluster workloads

Learn more about Platform9 Managed Kubernetes or feel free to **talk to our experts.**