



Managed Kubernetes Services

Run Kubernetes Smarter. Save 60% on Operations

Provision faster, scale flexibly, and manage less with JioCloud Managed Kubernetes.

The Challenge

- **Operational complexities**
Teams spend precious hours configuring, securing, and scaling Kubernetes clusters.
- **Inflexible compute resources**
Your diverse workloads, from AI/ML to real-time analytics, are limited by rigid CPU and GPU resource allocation, hindering performance and efficiency.
- **Security and compliance pressure**
Managing access, patching, and governance is a slow, difficult process that is prone to error.



The JioCloud Solution

JioCloud Managed Kubernetes offers a fully managed enterprise-grade Kubernetes platform with the flexibility and control for modern workloads.

Deploy secure and high-availability clusters with integrated CI/CD, observability and enterprise-grade policies in minutes. Choose CPU or GPU worker nodes, auto-scale based on traffic, and automatically recover from failures. Our managed service lets your teams innovate faster, while we manage the complexity.



Key Features

- **One-click cluster provisioning**
You can quickly deploy production clusters while we handle the underlying networking, security, and autoscaling configuration for you.
- **Flexible worker nodes**
Optimise performance and cost by provisioning the right compute for the job. Deploy standard CPU or high-performance GPU worker nodes to match your specific application needs.
- **Elastic auto-scaling**
Automatically scale pods and clusters based on demand spikes.
- **Automated upgrades and patching**
You can remain compliant with zero downtime patching, and upgrades.
- **Built-in integrated observability**
You can view observable metrics, dashboards and alerts with real-time control in HaKube.
- **Self-healing**
Automatically replace failed nodes and restart failed pods.
- **Role-based access control (RBAC)**
Control granular permissioning across teams.
- **Service mesh ready**
Add secure service-to-service communication at any time with Istio integration.

What You Gain

- **Decreased time-to-market**
Get production clusters up and running in minutes, not days.
- **Reduce K8s management effort by up to 60%**
Let JioCloud manage the infrastructure and scale accordingly — our experts will work for you.
- **Improve workload performance**
Deploy ML, HPC, or real-time apps on optimized CPU/GPU resources
- **Stay secure and compliant**
The solution is built with RBAC, encryption, logging, and audit-ready controls.
- **Run anywhere**
Easily and consistently extend Kubernetes across hybrid and multi-cloud environments.



Use Cases in Action

CI/CD-driven deployments

A developer pushes to Git; the pipeline builds and deploys to a secure Kubernetes cluster — with auto-scaling and healing built-in.

ML, AI, and GPU workloads

GPU-driven clusters execute model training while still being observable and governed.

Hybrid rollouts and secure connectivity

Consistent K8s environments deployed across on-prem and cloud in regulated industries. Microservices deployed with Istio-enabled service mesh and RBAC enforcement.

Real-time monitoring

Built-in dashboards track cluster metrics, pod usage, and alerting across clusters to provide proactive actions.

Top Applications :

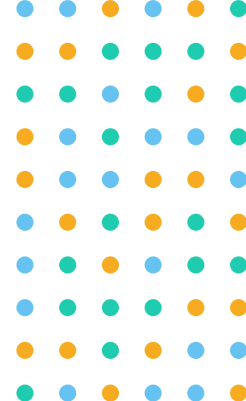
- E-commerce platforms
- Telecommunications and Media
- Machine Learning and AI Workloads
- Financial Services
- Healthcare and Life Sciences

Who It's For

- DevOps Engineers
- Platform Architects
- Cloud Infrastructure Managers
- Data Scientists and ML Engineers
- CTOs and CIOs

Why JioCloud

- **Flexible Compute Choices** - Easily use workloads on CPU and GPU worker nodes.
- **Built-In Integrations** - Natively connects with CI/CD, container registry, and API gateway solutions to streamline your DevOps pipeline.
- **Enterprise-Grade Security** - Built-in compliance and governance, hardening clusters.
- **24/7 Expert Support** - Certified Kubernetes professionals available.



Ready to Run Kubernetes Without the Hassle?

Let JioCloud manage the complexity - so you can focus on building.
Reach us at jpl.cloudsales@ril.com or visit website to learn more.

