

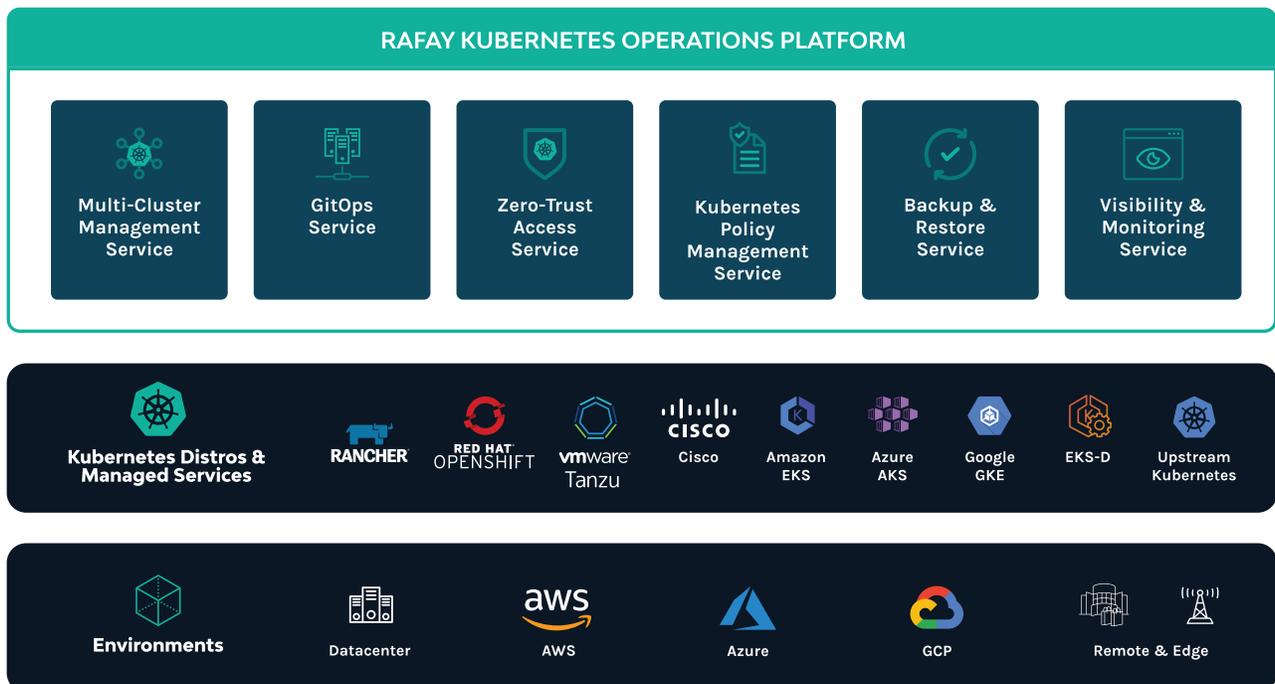
Rafay Kubernetes Operations Platform



Rafay's Kubernetes Operations Platform (KOP) provides a holistic approach to managing modern infrastructure by dramatically simplifying the lifecycle management of Kubernetes clusters and modern applications located in data centers, public clouds or at the edge. Building, integrating and supporting separate stovepipe services such as continuous deployment (CD), logging, monitoring, policy management, authorization, and backups are a thing of the past. Whether you're new to Kubernetes or an expert, you'll appreciate the easy-to-use, integrated services that can be deployed in minutes via the cloud or air-gapped. With Rafay, you get all the value of enterprise-grade Kubernetes services combined with peace of mind provided by Rafay's 24x7 customer service and support. Platform teams can operate modern application infrastructure at scale across public clouds, data centers and the edge. Our integrated automation, security, visibility and governance capabilities results in standardized and repeatable workflows and streamlines the management of Kubernetes clusters and modern applications.

KEY BENEFITS

- **Accelerate Deployments:** Accelerate app deployments 40% by automating and standardizing clusters and workloads.
- **Fast Time to Market:** Instantly provide production-grade infrastructure with centralized policy management, enterprise security and multi-tenancy.
- **Reduce Time to Resolution:** Cut down MTTR (mean time to recovery) with global visibility, health monitoring and alerting across both clusters and applications.
- **Streamline Day-2 Operations:** Automate manual tasks, increase reliability and improve cost predictability while leveraging experts to free up resources.



The Rafay Operations Platform streamlines Kubernetes cluster and modern applications lifecycle management across any distribution and infrastructure.

The Rafay Kubernetes Operations Platform augments the enterprise platform team through a broad range of services needed to accelerate application modernization initiatives. Rafay delivers the following services to platform, DevOps and Ops/SRE teams — across both Kubernetes infrastructure and modern applications. As organizations continue to adopt and scale modern applications, K8s operational complexity increases. Easily deploy, operate, scale and manage the lifecycle of Kubernetes clusters and containerized applications with a comprehensive set of enterprise-grade technologies, services, training and support. The platform delivers the following key services to ensure day 2 operations have the consistency and reliability you expect at any scale.



K8s Multi-Cluster Management

Rafay's K8s Multi-Cluster Management Service provides all the features enterprises need to manage the entire lifecycle of Kubernetes clusters deployed in data centers, public clouds and remote/edge locations. Deep interoperability with a broad range of managed Kubernetes distributions and platforms including Rancher, OpenShift, GKE, AKS, EKS and upstream Kubernetes. Simplify deployment, development and management of containerized workloads with unified policies, blueprints and templates, log collection, storage management and secrets management integrated across clusters. Key features include:

- Centralize deployments and management for all clusters from a single console, API, CLI and Terraform
- Turnkey integrations with dozens of technologies across the Kubernetes ecosystem
- Automated upgrades with preflight and post-upgrade validation checks
- Governance across your fleet using blueprints, policy management and custom add-ons



GitOps

Rafay's GitOps Service ensures Git is the single source of truth for your delivery pipelines, accelerating and simplifying infrastructure and application deployments and operational tasks for Kubernetes infrastructure through multi-stage, git-triggered pipelines. Use a declarative approach that can be triggered via a CI/CD system of choice or Rafay's built-in GitOps model to provide better standardization, enhanced security, and measurable productivity gains. Even Git repos deployed behind firewalls can easily be utilized by clusters deployed in remote networks without needing a network line of sight. With Rafay's GitOps Service, you can:

- Build a multi-stage pipeline to carry out multiple tasks, including workload deployment and Terraform provider execution
- Fully automate deployments and remove error prone, manual steps
- Guarantee that the desired state specified in your Git repos are instantly enforced
- Tightly integrate your Kubernetes management solution with CI/CD system of choice or via Rafay's built-in GitOps model



Zero-Trust Access

Rafay's Zero-Trust Access Service enables controlled, audited access to Kubernetes infrastructure with just-in-time service account creation and user-level credentials integrated with your identity provider of choice. Centralize and secure access to kubectl from anywhere, governing use by user account enabling you to:

- Centralize kubectl access to your entire fleet with automated RBAC
- Stop rogue Kubernetes admins with user-level audit logs
- Comply with enterprise security and governance regulations with 1-click integrations
- Make your Security and DevSecOps teams happy with streamlined access via single sign-on (SSO)



K8s Policy Management

Rafay's K8s Policy Management Service centralizes control and administration ensuring clusters are always in compliance with company policies — fleet-wide. Automate, test, audit and maintain policies with unified policy definition and enforcement across data centers, public clouds and in remote/edge locations providing:

- Easy to use workflows for creating and managing security policies for the entire fleet of clusters
- Granular policy enforcement over the entire organization of one or more projects or clusters
- Pre-existing policies covering best-practices, enterprise compliance and security requirements
- A comprehensive view of all policy metrics, violations and audits in a central dashboard



Backup & Restore

Rafay's Backup and Restore Service delivers an easy-to-use, scalable solution for business continuity, disaster recovery and migration of Kubernetes clusters and application data across data centers, public clouds and remote/edge locations enabling you to:

- Centrally configure, automate and operationalize disaster recovery (DR)
- Eliminate manual handling of backup credentials for enhanced security
- Leverage easy to use workflows for creating and managing backups for the entire fleet of clusters
- Have flexible controls to specify what data to include and exclude as part of the backup



Visibility & Monitoring

Rafay's Visibility and Monitoring provides deep insights into your Kubernetes environments with a comprehensive view of your infrastructure and modern applications across data centers, public cloud and remote/edge locations. Remediate and resolve issues faster by:

- Visualize, monitor and manage your global fleet of Kubernetes workloads and user activity
- Automatically collect and aggregate metrics efficiently from 100s of heterogeneous K8s clusters
- Analyze contextual dashboards for a variety of roles across the organization
- Reduce MTTR 60% by troubleshooting cluster and application issues even when located behind firewalls

