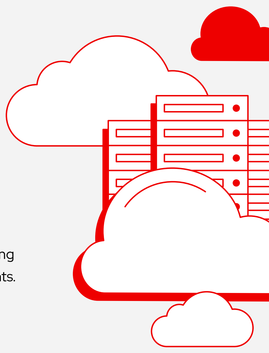
Red Hat
Advanced Cluster Management
for Kubernetes



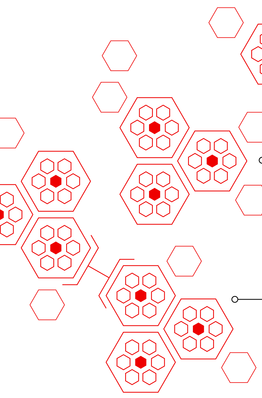
The move to multicluster

In an effort to modernize applications, organizations are deploying multiple clusters across multicloud and hybrid cloud environments.

Organizations choose multiple clusters to:

- **Increase** application availability.
- **Reduce** latency.
- **Meet** industry standards.
- **Comply** with geopolitical data residency guidelines.
- **Improve** disaster recovery.
- **Facilitate** edge deployments.

However, multicluster management presents many challenges



Single cluster

- Complicated cluster provisioning
- Configuration drift
- Manual, error-prone application deployment

Multiple clusters

- Inconsistent cluster provisioning
- Lack of policy and governance across development, testing, and production
- Difficulty finding and modifying Kubernetes resources across the management domain

Enterprise distributed clusters

- Lack of visibility across clusters for efficient DevOps
- Inability to deploy and distribute applications at scale
- Difficulty gathering compliance evidence for audits

Red Hat Advanced Cluster Management for Kubernetes can help

Red Hat® Advanced Cluster Management for Kubernetes provides end-to-end visibility and controls to manage the life cycle of your clusters and applications, along with security and compliance for your entire Kubernetes domain—across multiple datacenters and public clouds.

It provides a single view to manage your Kubernetes clusters—from Red Hat OpenShift® deployed on-premise, on bare-metal, and in public clouds, as well as clusters from public cloud providers like Amazon Web Services (AWS), Microsoft Azure, Google, and IBM.

Use cases

Unified multicluster life cycle management

Create, update, and destroy Kubernetes clusters reliably, consistently, and at scale.

Learn more ▸

Policy-based governance, risk, and compliance

Use policies to automatically configure and maintain consistency of security controls based on industry standards.

Learn more ▸

Advanced application life cycle management

Apply open standards and deploy applications using placement policies that are integrated into existing continuous integration and continuous delivery (CI/CD) pipelines and governance controls.

Learn more ▸

Multicluster observability

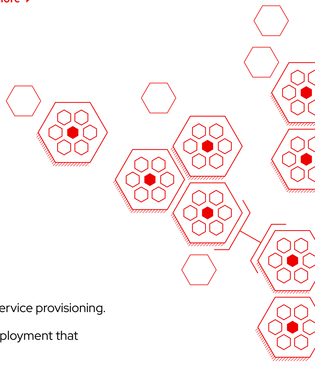
Get an overview of multicluster health and optimization with out-of-the-box multicluster dashboards. Troubleshoot simply and more effectively by sorting and filtering with dynamic search and visual web terminal capabilities.

Learn more ▸

Multicluster networking

Get rich multicluster networking capabilities with Submariner for application components deployed across multiple clusters. Reduce the complexity of deploying application components and networking requirements across clusters.

Learn more ▸



Benefits

- **Accelerate development to production** with self-service provisioning.
- **Free up IT departments** with self-service cluster deployment that automatically delivers applications.
- **Increase application availability** with the ability to deploy legacy and cloud-native applications across distributed clusters in less time. across distributed clusters.
- **Ease security compliance** with centralized policy enforcement across clusters.
- **Reduce operational costs** with a unified management interface.

To learn more about Red Hat Advanced Cluster Management for Kubernetes, visit redhat.com/clustermanagement.

Learn more

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