Red Hat OpenShift Dedicated

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Fully managed enterprise Kubernetes application platform

Key benefits

Red Hat OpenShift Dedicated offers private, high-availability Red Hat OpenShift clusters hosted on Amazon Web Services. It provides:

- A fully managed service by Red Hat that helps organizations focus on their business.
- Empowerment for developers to innovate.
- Reduced operational overhead with 24x7 support and 99.5% uptime SLA.

Overview

Businesses differentiate by delivering extraordinary experiences to their customers, and those experiences are driven by applications that quickly evolve to meet the needs of those businesses. Once deployed, these applications must be portable, secure, easy to scale, and simple to manage. Organizations are turning to containers and Kubernetes to meet these needs. To quickly deliver new applications or to containerize and migrate existing ones to the cloud, they need a trusted platform to build upon.

However, it can be difficult to build and manage a container environment yourself. Many IT organizations lack the skills and staff needed to maintain their environment internally. Others prefer to focus on application development and modernization rather than creating, updating, and administering their container infrastructure.

Built by open source leaders, Red Hat® OpenShift® is the leading enterprise Kubernetes platform.[1] Red Hat OpenShift Dedicated is a fully managed enterprise Kubernetes platform hosted on Amazon Web Services (AWS). With Red Hat OpenShift Dedicated, innovators can focus on what matters, stay competitive, and outpace rising customer expectations without worrying about managing the underlying infrastructure.

Red Hat OpenShift Dedicated

Red Hat OpenShift Dedicated is an enterprise Kubernetes platform professionally managed by Red Hat, hosted on AWS, and dedicated to a single customer. It includes an enterprise-grade Linux® operating system, container runtime, networking, monitoring, container registry, authentication, and authorization solutions. It connects to your datacenter, letting you implement a more secure, flexible, hybrid cloud IT strategy with minimal infrastructure and operating expenses.

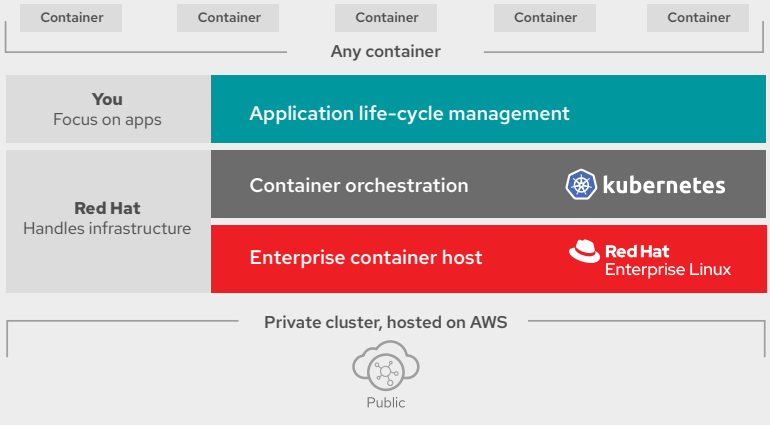

Figure 1. Red Hat OpenShift Dedicated architecture overview

1 *Robuck, Mike. "Red Hat rules the roost for container software market revenue, for now - report." Fierce Telecom, 4 Sept. 2019.*

Red Hat OpenShift Dedicated

Customer success[2]

Compared with the potential cost of building an equivalent environment in OKD (a community distribution of Kubernetes), running Red Hat OpenShift Dedicated has helped the TOKAI Group save 50% in operational costs.

"We would not have been able to create the same system in AWS by ourselves for the same cost," said Tatsuya Kurebayashi, a member of the Development Department, Group ICT Development, System Solutions Division, at TOKAI Communications Corporation.

Features and benefits of Red Hat OpenShift Dedicated

Fully managed enterprise Kubernetes

- **Professionally managed infrastructure:** Our proven and experienced OpenShift operations team manages infrastructure configuration, maintenance, and security. There are no virtual machines (VMs) to operate, and no patching is required.
- **Isolated platform:** Your OpenShift cluster will contain only your users, applications, and services.
- **Established enterprise container technology:** The latest in enterprise container technology and open source standards includes support for Kubernetes Operators.
- **Self-service:** You can deploy the cluster and networking configurations when needed.
- **Security:** Strong processes and security controls are aligned with industry standards to manage information security.

Full-service clusters

- **Award-winning support:**[3] Technical expertise, guidance, and knowledge are available 24x7, including collaboration with specialty teams by phone or chat.
- **Global regional availability:** Hosting is available in regions supported by Amazon Elastic Compute Cloud (EC2), including Asia-Pacific, European Union, South America, U.S. East, and U.S. West (excludes China and AWS GovCloud).
- **End-to-end service:** This service includes building, installing, upgrading, managing, and maintaining every cluster.
- **High uptime:** OpenShift Dedicated comes with a 99.5% uptime service-level agreement (SLA) and 24x7 support.

Empowerment for developers to innovate

- **Automated workflows:** A source-to-image (S2I) process gets source code into ready-to-run container images.
- **Streamlined developer perspective:** Developers do not need familiarity with Kubernetes concepts, and they see only the information and configurations they care about.
- **Operators:** Developers can integrate with trusted third-party services through the Operator Framework.
- **Developer tools:** Direct access is available to a rich set of command-line tools, a multidevice web console, and Eclipse-based integrated development environments (IDEs).

Flexible pricing and consumption

- **Your own cloud:** You can use your AWS account and your existing AWS discounts, or purchase a standard cluster through Red Hat.
- **Consumption-based billing:** Customers can add nodes on demand, ad hoc worker nodes are billed hourly.

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2 *Red Hat case study. "TOKAI Group centralizes web applications with Red Hat Openshift Dedicated," July 2019.*

3 *"Awards & Recognition." Red Hat, 2019.*

Red Hat OpenShift Dedicated

Pricing

Service	Annual price	Description
Base platform	US$36,000	A complete OpenShift 3.11 or 4 cluster, configured for **high availability (HA)** with a minimum of five master and infrastructure nodes, dedicated to your organization and managed by Red Hat.
Application nodes	Included	**Four application nodes** are included with the base package.
Network I/O	Included	Each cluster includes **12TB** of network I/O per year per cluster.
Persistent storage	Included	**100GB** of high-speed solid-state drive (SSD) persistent storage, available to end users of your cluster.
Premium support	Included	Red Hat Premium Support, which provides **24x7 coverage** from our award-winning Global Support Services (GSS) team.

Drive your journey with Red Hat OpenShift Dedicated

Red Hat supports our customers' journeys to the cloud, with Red Hat OpenShift serving as a consistent hybrid cloud foundation for building and running containerized applications for long-term innovation. Power business transformation and unite your teams on a cost-effective, single platform to quickly deliver the exceptional experiences your customers expect, anywhere they are.

Red Hat OpenShift meets the needs of IT teams and application developers alike. Customers have wide choice in Kubernetes solutions, including do-it-yourself platforms built on upstream projects, managed services on public clouds, and other self-hosted platforms. Red Hat OpenShift Dedicated stands out as a leading choice for customers who want a more secure, supported, managed, and hosted Kubernetes platform guided by deep expertise.

About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

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