



# Experience Seamless Virtualization and Containerization

IBM Fusion and Red Hat OpenShift make it easy to run virtual machines and containers on a common cloud-native hyperconverged platform



## Highlights

Reduce TCO by up to 83% with Fusion and OpenShift

Achieve a cloud native future using Fusion and Red Hat OpenShift

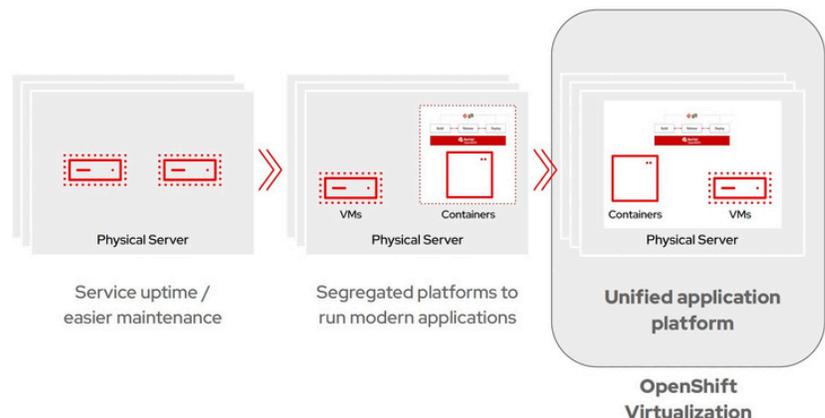
Deploy and operate OpenShift effortlessly with Fusion HCI

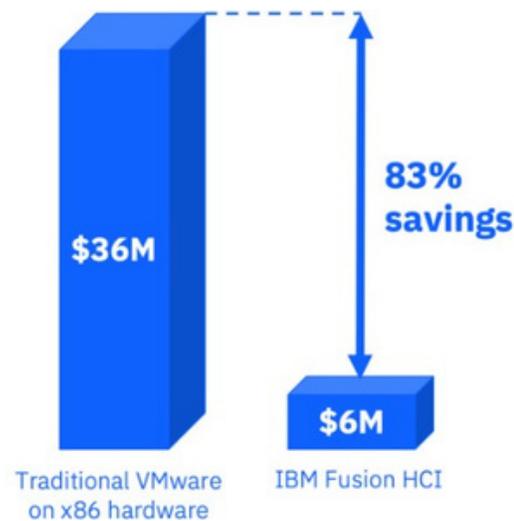
Coping with the rapidly rising costs of legacy virtual machine infrastructure can be challenging. How do you deal with today's out of control costs, but still find the budget and resources to bring your organization's infrastructure and applications forward to new cloud native architectures?

Application and infrastructure modernization are important strategies to consider as you address these challenges. With Red Hat OpenShift, you have the flexibility to modernize your applications and infrastructure when and how it makes sense. With Red Hat OpenShift, you can :

- Achieve a full cloud native architecture using the industry's leading Kubernetes platform, Red Hat OpenShift.
- Utilize a lift-and-shift approach for running legacy applications in containers on OpenShift.
- Deploy existing virtualized applications directly on OpenShift.

Red Hat OpenShift offers a production-ready virtualization alternative. Running virtualized applications on Fusion with OpenShift provides the flexibility, security and cost savings towards the journey to a cloud native future. Let's explore the advantages of migrating VMs to OpenShift today using IBM Fusion.





Real customer example: 5-year TCO Study

## Benefits of running virtual machines and containers on IBM Fusion and Red Hat OpenShift

### Reduce TCO by up to 83% with Fusion and OpenShift

OpenShift Virtualization, included with OpenShift, eliminates the cost of a hypervisor, allowing you to run and manage virtual machine workloads alongside container workloads on the same platform. This simplifies management and shortens time to production, making it a cost-effective solution for your virtualization needs.

### Achieve a cloud native future using Fusion and Red Hat OpenShift

According to research from Gartner<sup>1</sup> and Forrester<sup>2</sup>, Red Hat OpenShift is an industry leader in container management – the core component of any application and infrastructure modernization strategy. Red Hat OpenShift :

- Integrates all required technologies for Kubernetes into a single platform, bringing simplicity and speed to market for new and existing applications
- Provides a simplified dashboard for all Kubernetes management and monitoring across on-premises and cloud environments
- Provides a unified developer and operations experience, connected to cloud services and a rich independent software vendor (ISV) ecosystem for applications
- Delivers flexibility to run applications fully containerized, lift and shift existing applications into containers, and run virtualized applications on a single platform

### Deploy and operate OpenShift effortlessly with Fusion HCI

Fusion HCI enhances the productivity of platform engineers by optimizing OpenShift design, deployment, and management at scale and performance with high availability.

- Fusion HCI delivers simplified operation by providing a single management control point for running virtual machines and containers
- Fusion extends the capabilities of OpenShift by adding enterprise-grade features that streamline self-service consumption and creation and management of virtual machines and containers
- Fusion delivers a broad range of essential features including built-in data persistence and resilience, application availability, security, and mobility
- Fusion HCI is a highly redundant self-managed hyperconverged appliance tailored for performance and optimized for OpenShift.

### Experience the power of Red Hat OpenShift and Fusion HCI to revolutionize your virtualization needs

By leveraging OpenShift Virtualization, you can reduce TCO by up to 83%, eliminate the cost of a hypervisor and simplifying operations and management. With Red Hat's commanding 47.8% share in the container software market and Fusion HCI's enhanced productivity and streamlined operation, you can trust in the exceptional performance and value of this solution. Embrace the simplicity, speed, and cost-effectiveness of OpenShift and Fusion HCI to unlock new possibilities for your business."

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- [1.Red Hat named a Leader in 2023 Gartner® Magic Quadrant™ for Container Management](#)
- [2.Red Hat OpenShift named a leader by Forrester Research in The Forrester Wave™: Multi-cloud Container Platforms, Q4 2023](#)

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Produced in the  
United States of America  
02, 2024

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