



Red Hat



# Modernizing enterprise virtualization

Unlock efficiency for enterprise workloads with Red Hat and NTT DATA

## The advantage of Red Hat OpenShift Virtualization

OpenShift Virtualization, as part of Red Hat OpenShift, lets organizations migrate existing virtual machines (VMs) to a modern, hybrid cloud application platform. Organizations can run existing VMs in a stable location while modernizing applications at their own pace.

Built from the open source KubeVirt project, OpenShift Virtualization runs on the industry-standard Kernel-based Virtual Machine (KVM). And because KVM is part of Linux®, KVM offers the same security, control, and performance capabilities.

## Cost-effective, modern virtualization environments

In today's rapidly evolving digital landscape, enterprises face increasing pressures to modernize their IT environments while managing costs and maintaining operational efficiency. As a result of recent shifts in the virtualization landscape, some traditional virtualization platforms have become more expensive and inflexible, prompting businesses to seek alternatives that align better with their modernization goals and hybrid cloud strategies.

Red Hat and NTT DATA offer a compelling solution for enterprises transitioning from conventional virtualization environments to modern, efficient, and cost-effective infrastructures. It pairs Red Hat® OpenShift® Virtualization, an integrated platform that combines virtualization and containerization for streamlined management, with NTT DATA's comprehensive migration and modernization services. Organizations can expect a comprehensive end-to-end virtualization migration service experience that facilitates a smooth transition to a modern virtual machine (VM) environment.

This joint solution, forged through 14 years of collaboration, offers numerous benefits such as maintenance cost savings, flexible application manageability in multicloud and hybrid cloud environments, strategic industry insights, and more.

## The benefits of Red Hat for a VM environment

Red Hat OpenShift Virtualization integrates virtualization and containerization, providing a unified platform to manage both containerized and virtualized workloads. Key capabilities and benefits of OpenShift Virtualization include:

- ▶ **Unified management:** Simplifies the management of applications across hybrid and multicloud environments.
- ▶ **DevSecOps integration:** Incorporates security at every stage of the development lifecycle.
- ▶ **Automation and efficiency:** Uses Red Hat Ansible® Automation Platform to streamline IT operations and reduce manual intervention.
- ▶ **Scalability and flexibility:** Adapts to varying workloads and scales as needed to meet enterprise demands.

Red Hat OpenShift Virtualization can be an important part of your overall stack, especially when your future involves migrating virtual machines to a more modern platform.

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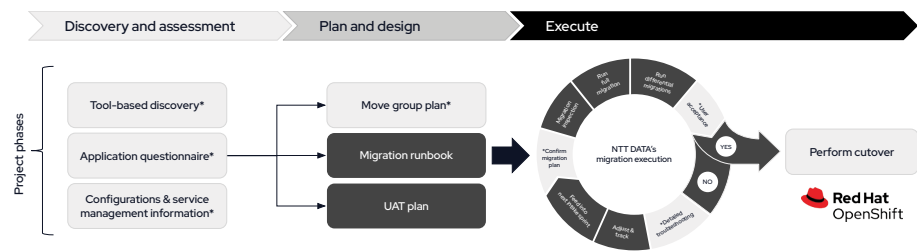


Figure 1. Ease the transition to a new platform with Red Hat and NTT DATA.

How NTT DATA supports enterprise modernization

NTT DATA brings extensive experience and expertise in IT services, offering various solutions to support enterprise modernization. Key capabilities include:

- ▶ **Cloud enablement:** Assists with the transition to cloud-native architectures, facilitating modern virtualization strategies.
- ▶ **Cloud adoption and maturity:** Guides organizations through every stage of their cloud journey, ensuring smooth adoption and maturation of cloud technologies.
- ▶ **Digital transformation:** Accelerates innovation and operational efficiency through advanced cloud technologies and containerization platforms.
- ▶ **Large-scale migrations:** Executes detailed planning and management for migrating large enterprise estates of VMs, to help streamline the transition (Figure 1).

Ease the transition to a new platform with Red Hat and NTT DATA

Together, Red Hat and NTT DATA deliver a comprehensive solution that addresses the complexities of modernizing virtualization environments through an end-to-end virtualization migration service. The partnership offers:

- ▶ **Strategic industry alignment:** Red Hat’s technological prowess combined with NTT DATA’s industry insights to deliver specialized solutions.
- ▶ **Deep integration:** Solutions are embedded into an organization’s development and operational workflows to remove friction and improve developer productivity.
- ▶ **Expert support:** Red Hat Consulting and professional services provide strategic advice on architecture, automation, and ongoing management, to help make sure your infrastructure is robust and efficient.

Set up a discovery session today

Explore how your enterprise can benefit from migrating to Red Hat OpenShift Virtualization with the support of NTT DATA’s modernization services by visiting the [NTT Data catalog page](#) and scheduling a discovery call. You will receive a comprehensive feasibility assessment and assistance in your transition to a modern VM environment.



About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

About NTT DATA

NTT DATA is a trusted global innovator of business and technology services, helping clients innovate, optimize and transform for success. As a Global Top Employer, we have diverse experts in more than 50 countries and a robust partner ecosystem. NTT DATA is part of NTT Group.

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