

# Red Hat OpenShift Virtualization Engine 4

## Overview

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#### **Abstract**

An overview of OpenShift Virtualization Engine.

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# CHAPTER 1. OPENSHIFT VIRTUALIZATION ENGINE OVERVIEW

OpenShift Virtualization Engine, an edition of Red Hat OpenShift, is an enterprise-grade virtualization solution for organizations that need a scalable, reliable platform for running and managing virtual machines (VMs). It integrates with your existing IT infrastructure to support VM-exclusive workloads, including those requiring consistent VM performance.

#### 1.1. ABOUT OPENSHIFT VIRTUALIZATION ENGINE

While all editions of Red Hat OpenShift include OpenShift Virtualization, OpenShift Virtualization Engine is a cost-effective, virtualization-only option that does not include container-based or cloud-native features for applications. If you migrate from a traditional virtualization platform to OpenShift Virtualization Engine, you can add containerization and modernization features later by switching to a different edition of Red Hat OpenShift.



#### NOTE

OpenShift Virtualization Engine supports hosting infrastructure services in containers. For more information, see the Self-managed Red Hat OpenShift subscription guide.

To simplify migration and VM management, OpenShift Virtualization Engine integrates with the following tools and capabilities:

#### **Red Hat Ansible Automation Platform**

Enables automation at scale, streamlining tasks such as VM provisioning, migration, monitoring, and management.

#### Red Hat Advanced Cluster Management for Virtualization

Provides a centralized platform to manage VMs throughout their lifecycle and across clusters. Using a centralized management platform can ensure consistency and compliance, especially for organizations that require robust governance and automated policy enforcement.

• Demo: Manage and monitor VMs on OpenShift with ACM

#### Red Hat partner ecosystem

You can complete your virtualization solution with offerings from Red Hat partners in areas such as networking and disaster recovery.

#### 1.2. ADDITIONAL RESOURCES

- OpenShift Virtualization documentation
- OpenShift Virtualization Engine product page
- Self-managed Red Hat OpenShift subscription guide
- Virtual infrastructure management with Red Hat Ansible Automation Platform
- Red Hat Advanced Cluster Management for Kubernetes
- Migration Toolkit for Virtualization

• Red Hat OpenShift Virtualization in the Red Hat Ecosystem Catalog

#### 1.3. GET SUPPORT FOR OPENSHIFT VIRTUALIZATION ENGINE

Red Hat offers cluster administrator tools for gathering data, monitoring, and troubleshooting your cluster.

If you need help with your OpenShift Virtualization Engine solution, log a case in the appropriate product by using its subscription name. See the Red Hat customer support portal to open a support case.