

# Red Hat OpenShift Virtualization on AWS

A platform for both current VM infrastructure and modern containerisation

## Solution Overview

Red Hat OpenShift Virtualization is a platform for running Virtual Machines and Containers on a single platform. Ideal for organisations that are modernising their infrastructure but still need to support legacy VM workloads that cannot yet be refactored into containers. AWS provides the underlying infrastructure, including the required bare-metal nodes for running VM workloads.

## Key Benefits

- Provides a migration path for VMs to a modern and complete platform for both Container and VM workloads – Red Hat OpenShift Virtualization.
- Gain complete visibility for your application strategy and the ability to move forward, minimising licensing costs in the short-term and migrating workloads to OpenShift Virtualization in the mid-term.
- Leverage the scalability, flexibility and multiple integration options available on AWS to maximise the value of Red Hat OpenShift Virtualization.

## Pain Points

- Rising costs of managing legacy systems
- Vendor lock-in
- How to modernise whilst maintaining current critical VMs

## Technology Partners



## Tech Data Centre of Excellence

*OpenShift Container Platform with Virtualization and Migration Toolkit Operators, available for Demos, PoCs and Workshops.*

### USE CASES

- VM Deployment – Linux and Windows
- Monitor and right-size for both compute and licensing resources
- Strategic platform for visibility, control and modernisation
- Automated deployment to AWS

[Find Out More](#)

# Red Hat OpenShift Virtualization with IBM Turbonomic on AWS

Enterprise-class Application Resource Management with a platform for both current VM infrastructure and modern containerisation

## Solution Overview

Red Hat OpenShift Virtualization is a platform for running Virtual Machines and Containers on a single platform. IBM Turbonomic provides the recommendations for appropriate resource allocation, including licensing considerations at the hypervisor level.

## Key Benefits

- Leverage the Resource Management capabilities of IBM Turbonomic for immediate gains, whilst also providing a migration path for VMs to a modern and complete platform for both Container and VM workloads – Red Hat OpenShift Virtualization.
- Gain complete visibility for your application strategy and the ability to move forward, minimising licensing costs in the short-term and migrating workloads to OpenShift Virtualization in the mid-term.

## Tech Data Centre of Excellence

OpenShift Container Platform with Virtualization and Migration Toolkit Operators, available for Demos, PoCs and Workshops.

### USE CASES

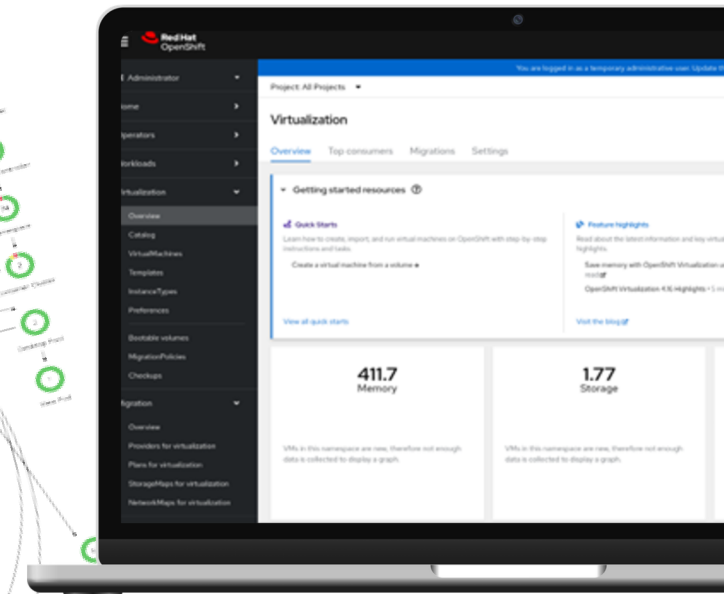
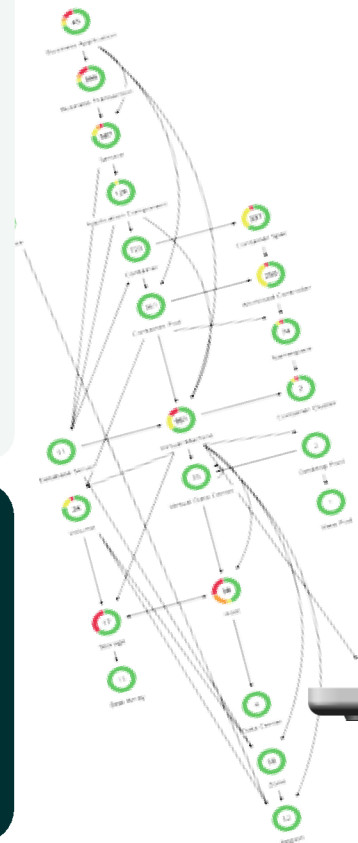
- VM Deployment – Linux and Windows
- Monitor and right-size for both compute and licensing resources
- Strategic platform for visibility, control and modernisation
- Automated deployment to AWS

## Technology Partners



Red Hat

IBM Turbonomic



# Elastic Observability on Red Hat OpenShift on AWS

Unified observability for your cloud ecosystem on OpenShift

## Solution Overview

Elastic Observability provides a unified view across your on-premises and cloud environments, with ingested telemetry from applications, infrastructure, and more, and 200+ out-of-the-box integrations for popular services and platforms. Combined with OpenShift, Elastic Observability provides a comprehensive solution for monitoring and managing applications running on the platform, leveraging tools like Elasticsearch, Kibana, and the ELK stack to collect, analyse, and visualise logs, metrics, and APM data.

## Key Benefits

Gain end-to-end visibility into your infrastructure and applications, improving detection efficiency, proactive insights, and overall operational scaling, on OpenShift and beyond.

- **Elastic APM:** Understand complex microservices architectures and map application service dependencies spanning hybrid multi-cloud environments.
- **AIOps with Elastic:** Out-of-the-box dashboards, alerts, and ingest pipelines for extracting structured fields.
- Detect anomalous behaviour with scalable machine learning and automatically correlate transaction performance to determine root cause.

## Technology Partners



## Tech Data Centre of Excellence

Red Hat OpenShift with Elastic Observability, available for Demos, PoCs and Workshops.

### USE CASES

- Elastic Application Performance Management
- AIOps with Elastic
- Integration with OpenShift and AWS
- Automated deployment to AWS



# Catalogic CloudCasa with Red Hat OpenShift Virtualization on AWS

Comprehensive Data Protection for Containers, VMs and Hybrid Environments

## Solution Overview

Red Hat OpenShift integrates enterprise-grade Kubernetes with comprehensive VM support through OpenShift Virtualization. CloudCasa extends this capability with secure, scalable, and user-friendly solutions for backup, disaster recovery, and migration, offering multi-cluster and multi-cloud support.

## Key Benefits

- **Simple and All-inclusive:** CloudCasa is a cloud-native backup, migration and DR solution. Setup and run backups of your cloud-native and VM workloads in under 10 minutes.
- **Secure, Tamperproof, with Ransomware Protection:** Data is encrypted both in transit and at rest, with lockable recovery points and data stored in cloud or private storage. Immutable backups prevent unauthorised alterations.
- **Backup-as-a-Service or Self-Hosted:** Choose between SaaS or self-hosted backup options. Scale as you grow.
- **Cost-Effective Plans:** Includes Kubernetes etcd/resource backups, snapshot management, PV backups and Velero / OADP management.

## Technology Partners



## Tech Data Centre of Excellence

Red Hat OpenShift Virtualization with CloudCasa by Catalogic, available for Demos, PoCs and Workshops.

### USE CASES

- Backup and restore of VMs – file-level to full VM restore, all on OpenShift Virtualization
- Container-based backup and restore
- Full OpenShift Cluster backup and restore
- Backup-based Migration

[Watch Video](#)