

SOLUTION BRIEF

Red Hat OpenShift and InfoScale

VM, CONTAINERS,
MODERNIZATION
WITHOUT COMPROMISE

 **INFOSCALE™**
always on.

Overview

The server virtualization market is feeling a seismic shift. According to Gartner, over 60% of enterprises will revirtualize and shift workloads to the cloud by 2028 in response to cost pressures, platform uncertainty, and fast-changing business demands.

IT leaders are now turning disruption to opportunity. Rethinking how to run, protect and scale the enterprise's most important applications. But smart IT strategy isn't just about adopting containers or re-platforming VMs. For enterprise leaders, it's about gaining an operational edge through architecture and data flexibility without breaking what already works.

Red Hat OpenShift Virtualization + InfoScale give you the power to run VMs, containers, and AI workloads on one unified platform — with full resilience, lower cost, and zero storage redesign. It's a no-compromise path to hybrid cloud, AI readiness, and rock-solid uptime.

OpenShift + InfoScale: Enterprise Ops, Supercharged

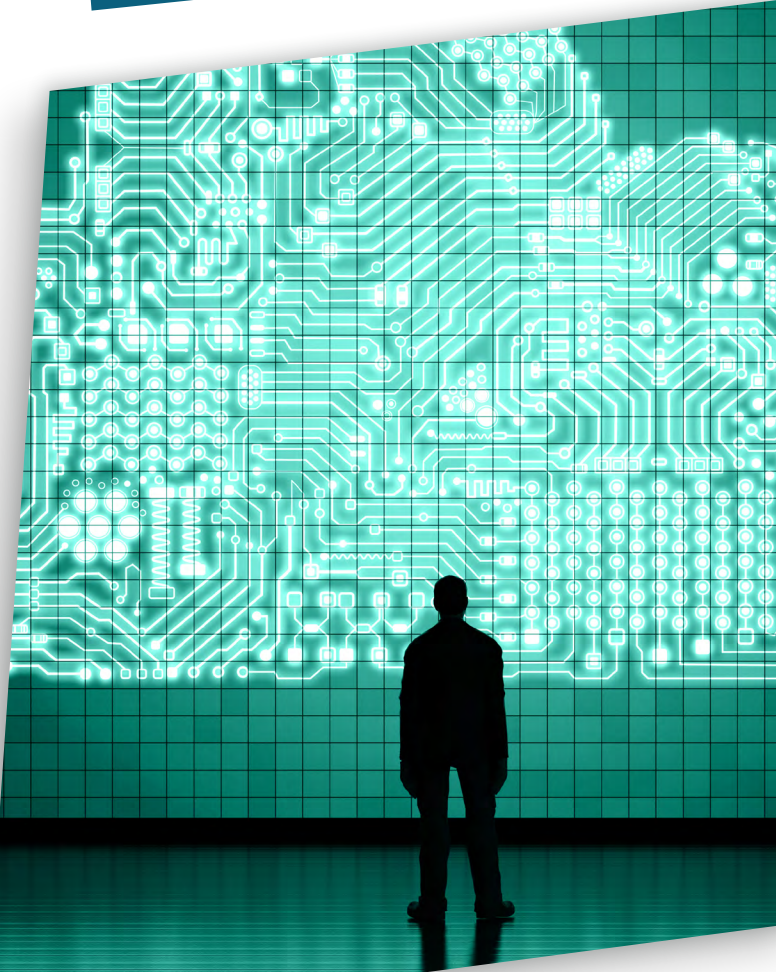
Let's face it, VMs still run the enterprise. But running them smarter is the real win. Red Hat OpenShift and InfoScale bring together the best of traditional infrastructure with cloud-native agility, giving you enterprise-class flexibility without rearchitecting apps or storage.

- **Unified Operations:** Manage VMs and containers side-by-side, using your existing Fibre Channel, iSCSI, or CSI-based storage.
- **Unmatched Resilience:** Hit near-zero RTO and true zero RPO. Even across hybrid and multi-cloud environments.
- **Cost Optimization:** Cut your infrastructure footprint by up to 80% compared to ODF. Say goodbye to SSD-heavy overkill.
- **AI-Ready Flexibility:** Run data-hungry AI apps with ease. On-prem, across AWS and Azure, or wherever your workloads land.

Enterprises report
expecting their
current VMware
licensing costs to

2-3x
2024 levels.

– Ars Technica Survey



Modernize in Days, Not Years

Certified resilience for OpenShift simplifies data management and empowers the next generation of enterprise operations without rewriting any of your apps. It plugs into what you already have by leveraging your existing storage commitments for modernization in days, not years.

Redefining Resilience for Multi Cloud Ops

Most traditional HA and storage solutions were built for static infrastructure. InfoScale was designed differently — with dynamic, hybrid, and cloud-native environments in mind. This makes it a natural fit for OpenShift, where agility and resilience must span both containers and VMs.

Virtualization



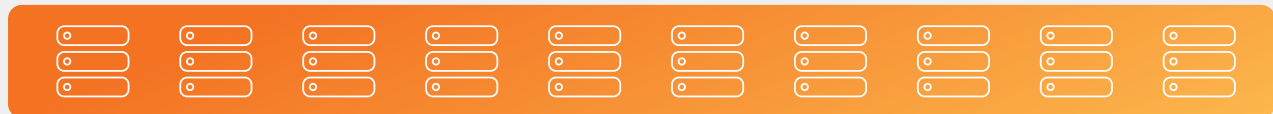
Stateful Applications



Backend Storage for Live Migration / Parallel Access / Snapshot / Disaster Recovery



RedHat Enterprise Linux Cose OS



Shared or Local
Storage Luns



InfoScale for Kubernetes as backend to support OpenShift Virtualization and stateful pods

Built for OpenShift

- **Certified for OpenShift Virtualization:**
InfoScale is fully validated to run side-by-side with OpenShift Virtualization with seamless persistent data for VM and container workloads within the same cluster. Simplify and unify storage and resilience strategies.
- **Application-Aware, Not Just Volume-Aware:**
InfoScale understands the full application stack — not just the underlying storage. It tracks dependencies, service boot sequences, and data consistency requirements, enabling faster, safer recovery across distributed environments.
- **Shared Storage, Simplified:**
InfoScale provides built-in support for ReadWriteMany (RWX) shared volumes across OpenShift nodes. This unlocks features like VM live migration and multi-node high availability all without complex reconfiguration or third-party tooling. Up to 80% less infrastructure footprint vs. ODF-backed deployments requiring dedicated nodes and SSD-heavy storage pools
- **Works with Your Existing Storage:**
Whether you're running Fibre Channel, iSCSI, or CSI-based arrays, InfoScale plugs right in. There's no need to refactor your entire storage stack or commit to a proprietary system.
- **Flexible Enough for Hybrid and Multi-Cloud:**
InfoScale gives you consistent data protection and operational control, whether workloads run in your datacenter, in a public cloud, or across both. It's validated across AWS, Azure, and OpenShift on bare metal — so your modernization plans stay portable.

One Platform, One Storage Layer, and One Strategy

Follow a modernization path that's powerful, flexible, and disruption-free

- **Unified data management:**
for both VMs and containers
- **Zero RPO and near zero RTO:**
across hybrid environments
- **Real-time protection:**
with intelligent failover, snapshotting, HA + DR
- **Seamless support for existing Fibre Channel or iSCSI storage arrays**

Together Red Hat and InfoScale deliver modernization without disruption that saves infrastructure teams from undergoing any storage re-architecting or application rewrites. Keep your trusted storage arrays. InfoScale works across Fibre Channel, iSCSI, and modern CSI-based systems. There's no need to rip and replace storage to modernize your VM platform. Enable high availability and live migration for VMs using InfoScale's shared storage and distributed coordination, with no hardware lock-in or vendor silos.



Why InfoScale + OpenShift

Data Resilience	OpenShift Alone	With InfoScale
Shared Storage for VMs	✘ No	✔ Native RWX support
VM Live Migration	✘ Not Supported	✔ Integrated
HA with Local Disk	✘ No	✔ Two-node HA cluster
App-Aware Snapshots	✘ CSI Only	✔ Coordinated & Velero
Existing SAN Support	✘ Requires ODF	✔ Plug-and-play
Lightweight Footprint	✘ ODF overhead	✔ Minimal infra required

Run smarter. Protect faster. Scale without limits.

Don't let virtualization disruptions dictate your future. Red Hat OpenShift and InfoScale offer a proven, disruption-free path to modernization that respects existing investments while preparing you for AI, hybrid cloud, and beyond.

For more details, visit [InfoScale](#) or [Red Hat OpenShift](#).



About InfoScale

InfoScale, a business unit of Cloud Software Group, is the leader in always-on data resilience. InfoScale is the only solution to deliver context-aware, application resilience across the full stack to ensure zero downtime and zero data loss for mission-critical applications. Previously a business unit in Veritas technologies, more than 1,700 global enterprises including the world's ten largest financial services companies and ten largest telecoms companies trust InfoScale's AI-powered solutions to ensure resilience across any data, any app, anywhere.

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