

# 10 Reasons to Use Storware Backup and Recovery

## for Red Hat OpenShift Containers and Virtual Machines

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OpenShift Virtualization is a technology within the Red Hat OpenShift platform that enables you to run virtual machines (VMs) alongside containers on a single OpenShift cluster. This provides a hybrid environment where you can leverage the benefits of both containerization and virtualization. Red Hat OpenShift Virtualization (OV) is a relatively new offering, but it competes with several established virtualization solutions in the market.

Storware Backup and Recovery is an enterprise-ready and comprehensive data protection solution for OpenShift Container Platform: deployments, deployment configs (metadata), StatefulSet, etcd, and virtual machines running on OpenShift. Storware provides consistent data protection with the ability to recover from a specific point in time. The richness of Backup SLAs gives the option to select the appropriate backup policy and create an optimal backup schedule. Backup SLAs help to easily automate and facilitate backup and recovery processes.

- 1. Comprehensive Protection:** Storware provides a comprehensive solution for backing up and recovering both Red Hat OpenShift Containers and Virtual Machines, ensuring your entire environment is protected.  
  
Storware is a specialized data backup and recovery solution designed for the Red Hat product family, including OpenShift, OpenStack, RHV, and Ceph. It is easily scalable and suitable for small to enterprise businesses.
- 2. Certified Solution:** Storware fully integrates with OpenShift using the native Red Hat Operator, ensuring seamless deployment, management, and scalability for containerized and virtual environments.
- 3. Advanced security measures:**
  - a. Linux-based installation
  - b. Isolayer - Air-Gap Backup
  - c. Immutable backup destination
  - d. Encryption
  - e. Role-based access control (RBAC)
  - f. MFA/2FA (Keycloak)
- 4. Agentless Protection:** Its agentless architecture reduces overhead and simplifies deployment, making it easy to protect your OpenShift environment without additional software.
- 5. Metadata and Persistent Volume Backup:** Storware can backup both metadata and persistent volumes attached to pods, ensuring complete data protection.
- 6. Granular Restore:** You can restore individual files, directories, or entire containers, giving you granular control over the recovery process.
- 7. Incremental Backups:** Storware uses incremental backups to reduce backup window and storage requirements, making it efficient for large environments.
- 8. Disaster Recovery Planning:** Storware can be used to create disaster recovery plans, ensuring you can quickly recover from a catastrophic event.
- 9. Scalability:** Storware can scale to accommodate your growing OpenShift environment, ensuring your data protection needs are met.
- 10. Cost-Effective:** Storware offers a cost-effective solution for protecting your OpenShift environment, with flexible licensing options and efficient backup processes.

Ensure the security and resiliency of your containers and virtual machines with Storware's advanced data protection and disaster recovery solution, tailored for Red Hat OpenShift. Streamline and automate your backup processes while optimizing TCO.