

Red Hat OpenShift Backup and Recovery

Red Hat OpenShift is a container platform that is based on the Kubernetes container orchestrator for enterprise application development and deployment. It is designed to help developers quickly develop, host, and scale applications in a cloud-based environment.

OpenShift provides a number of tools and services that make it easier for developers to build and deploy applications, including:

- A web-based graphical user interface (GUI) for managing applications and environments
- A command-line interface (CLI) for building and deploying applications
- A container registry for storing and distributing Docker containers
- A set of pre-built application templates and frameworks for popular languages and frameworks, such as Java, Ruby, and Python
- Integration with popular continuous integration and delivery (CI/CD) tools, such as Jenkins and GitLab
- OpenShift is designed to be highly scalable and can run on top of various infrastructure platforms, including on-premises, in the cloud, or in a hybrid environment. It is also designed to be highly secure, with features such as role-based access control and network segmentation.

Storware Backup and Recovery is a certified Red Hat OpenShift Operator, cloud-native data protection solution ready to backup both metadata and persistent volumes attached to pods.

Supported Platforms

Red Hat OpenShift 4+

Red Hat OpenShift Backup and Recovery

Features

- incremental backup (when using Ceph RBD as PV)
- file-level restore (when using Ceph RBD as PV)
- VM disk exclusion
- quiesced snapshot (optional deployment pause)
- pre/post snapshot command execution
- backup disks sharable over iSCSI (when using Ceph RBD as PV)
- name-based policy assignment
- tag-based policy assignment
- power-on VM after restore

Storware provides consistent data protection with the ability to recover from a specific point in time. 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 the work of data management. Dare to test enterprise-ready and comprehensive data protection solution for OpenShift Container Platform: persistent volumes, deployments/deployment configs (metadata), etc.

How to start

Storware offers easy integration with an OpenShift cluster and the ability to restore to another cluster or project. The installation is automated and consists of running a single script. To start the OpenShift backup, we only need the cluster URL, login and password (we can use a token instead).

Storware Backup and Recovery is a certified Red Hat OpenShift Operator. It's easy to install via the Red Hat Operator Hub.

Highlights



Versatility – independent data protection solution with no vendor lock-in. A single application that can backup various container platforms to various backup providers.



Set and Forget Automation – automate container protection with custom or predefined backup policies. Test backup automatically to ensure recoverability.



Scalability – it is ready to grow together with you via multi-node architecture. Scale-out by adding as many nodes as you need, scale-up by assigning more resources to Storware nodes.



Transparent Licensing and Costs Optimization –the easiest licensing without hidden costs: per VM, per Host, per TB. at your disposal.



Easy Configuration – Configuration Wizard makes the launch and setup of Storware fast and easy. Start to protect your container environments within minutes!



Security and Reporting – role-based access controls give administrators greater control over security and an advanced reporting system to evaluate the size and time of backup/restore operations.



Easy to Manage – with an intuitive and modern UI (HTML 5 Web Console), you can quickly set up protection and store backups in several different backup providers. Manage and monitor backup processes from a single pane of glass.



Support – highly-responsive 24/7 global support and the Storware Insight option. Storware Insight is an additional technical support enhancement. It sends a daily report on your instance so that our support can react quickly when something unexpected occurs.



Open RESTful API and CLI – Storware Backup and Recovery is ready to be part of wider automation or orchestration solutions. All communication between 3rd party systems goes via RESTful API exposed by Storware Server. Tasks are being performed by the Node behind the scenes. End-user is going to use only a 3rd party system to invoke and monitor the status of the tasks.

How it works

Storware Backup and Recovery connects to the OpenShift API and uses OADP (an operator created by Red Hat) to secure metadata and volumes in the cluster.

Storware Backup and Recovery supports the backup of Deployments, DeploymentConfigs and StatefulSets. Storware backs up metadata and persistent volumes. It can also backup OpenShift's etcd (stores the entire state of the cluster: its configuration, specifications and statuses of running services)

Switch to First Class Backup and Speed Up!

Choose a free version or unlock the full potential of Storware Backup and Recovery with a 60-day free TRIAL!