


Robin Cloud Native Storage for RedHat OpenShift

Application-aware Storage and Data Management for all Stateful Applications

Robin Cloud Native Storage brings advanced storage and data management capabilities to OpenShift. It is a Red Hat certified Operator that provides a highly scalable block storage solution with bare-metal performance. Robin CNS seamlessly integrates with OpenShift through Operator Lifecycle Manager (OLM).

Developers and DevOps teams can add Robin CNS right from the OpenShift console. Robin Cloud Native Storage helps simplify data management operations such as backup/recovery, snapshots/rollback, and cloning of entire applications (data+metadata+config), providing enterprise-grade data protection. Robin also ensures stateful application portability across OpenShift running on any cloud.

Robin Cloud Native Storage

Any Stateful App	RDBMS, NoSQL, Queues, Timeseries, Big Data	
Storage & Data Management	Robin Cloud Native Storage	
Any Kubernetes	 Red Hat OpenShift	
Any infrastructure	Baremetal, VMs	AWS, Azure, GCP, IBM

Key Benefits

- **Always-on stateful applications**
- **Improved developer productivity**
- **Faster collaboration across teams**
- **Multi-cloud portability for applications**

Highlights

Native OpenShift Integration

Certified OpenShift operator and installs directly from OpenShift console. Provision and manage stateful applications using oc, Helm, and Operator frameworks.

Available on Red Hat Marketplace

Robin is available on the Red Hat Marketplace. Pay only for what you use with consumption based pricing or try before buying with a 1-month free trial.

App-aware High Performance Storage

Robin is application-aware and provides bare-metal performance. All lifecycle operations are performed on the entire application state (data+metadata+config), not just the storage volumes.

Data Protection and Disaster Recovery

Protect the entire application (data+metadata+config) with snapshots and backups. Cloud backup provides full recovery from application crashes or datacenter disasters.

Application Cloning for Fast Collaboration


Collaborate across teams by cloning the entire applications in minutes. Make Dev and QA teams more productive by freeing up valuable time.

Hybrid and multi-cloud flexibility

Easily move complex stateful applications between OpenShift on-prem and public clouds by running a single command.

Robin Cloud Native Storage for OpenShift Features


Robin Cloud Native Storage for OpenShift is available to users in two ways, Robin Express and Robin Enterprise. Both Robin Express and Robin Enterprise come with all of the features of Robin Cloud Native Storage. So you don't need to compromise on capability. You just need to determine how much scale you will need in your environment.



Robin Express

Get started quickly. No fees. No commitments.

- Free lifetime subscription
- All features included
- Up to 5 nodes and 5TB
- Community support



Robin Enterprise

Run mission critical applications with unlimited scale and 24x7x365 support.

- Free trial for 30 days
- All features included
- No add-ons or additional charges
- Per-node hour or annual subscription pricing
- 24x7x365 enterprise support

No Compromise: All Features Included with Robin Express and Robin Enterprise

Storage Management		
Feature	Robin Express	Robin Enterprise
Application-aware storage	●	●
Bare-metal performance	●	●
Data security (encryption)	●	●
Data optimization (compression)	●	●
Data locality (compute-storage affinity)	●	●
Live data rebalancing to avoid hotspots	●	●
IOPS limits at application level	●	●
Disk and IO error detection	●	●
Disk and volume rebuilds	●	●
High availability with in-sync replication	●	●
Automatic resync of replicas on fall-behind	●	●
Volume consistency groups	●	●

Data Management		
Feature	Robin Express	Robin Enterprise
Application-consistent (data+metadata+config) snapshots	●	●
Redirect-on-write snapshots for cost efficiency	●	●
App quiescing before snapshots	●	●
Auto-scheduled snapshots	●	●
Local backups to recover from system/cluster failures	●	●
Cloud backups to recover from system, cluster, or datacenter failures	●	●
Central backup repository across multiple clusters	●	●
Forever incremental backups for cost efficiency	●	●
Auto-scheduled backups	●	●
Application cloning for collaboration	●	●
Thin cloning for cost efficiency	●	●
Disaster recovery to recover from datacenter failures	●	●

Multi-cloud Portability		
Feature	Robin Express	Robin Enterprise
Application-consistent (data+metadata+config) migration	●	●
Central repository across clouds for backups	●	●
Single command to import and recreate applications	●	●
Data hydration option for quick loading of applications	●	●
Secured access to backups	●	●

Get more information at robin.io/storage, or get Robin Cloud Native Storage for OpenShift on the Red Hat Marketplace [here](#).