

Migration, Backup, and Disaster Recovery for Kubernetes and OpenShift

Move and Protect your Kubernetes/OpenShift deployments with RackWare SWIFT. Migrate applications from any environment into the Cloud, including Cloud-to-Cloud. Protect critical workloads with SWIFT's Converged Disaster Recovery and Backup solution.

Mobility and Protection for Kubernetes and OpenShift

RackWare's Hybrid Cloud philosophy is anchored in the belief that all applications and data should be secure, mobile, and available. For over a decade Enterprises have used RackWare solutions to Move and Protect Windows and Linux servers; providing the capability to move any server from any datacenter or cloud to any other datacenter or cloud, whether that be for Migration or Disaster Recovery & Backup purposes.

That same any-to-any Move and Protect capability is now available for all Kubernetes and OpenShift deployments. Some key capabilities of RackWare SWIFT include:

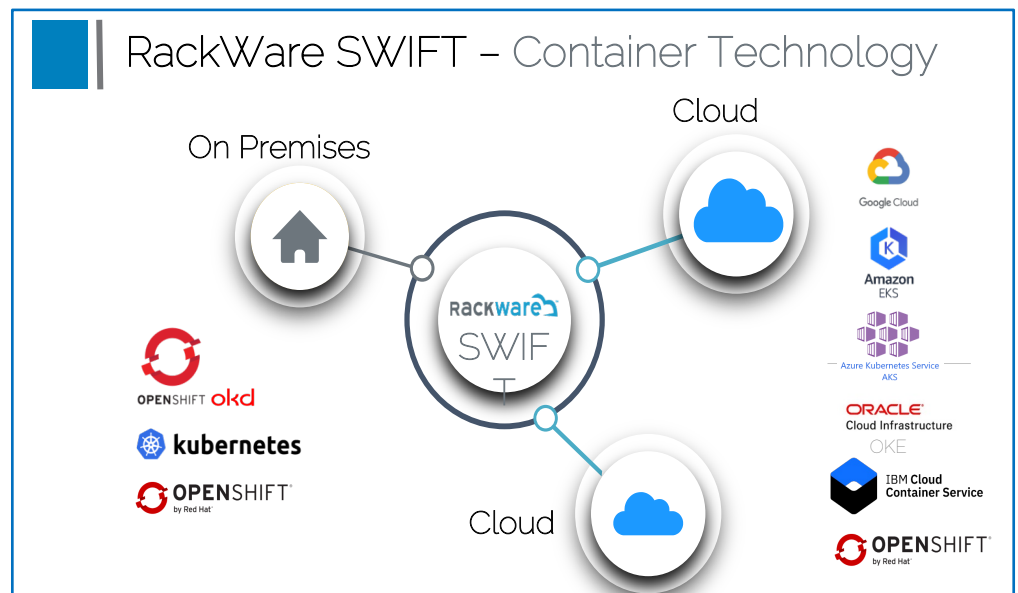
- ◆ Move and Protect Kubernetes/OpenShift across multiple Cloud Platforms, including:
 - ▶ Oracle OKE
 - ▶ Amazon EKS
 - ▶ Azure AKS
 - ▶ Google GKE
 - ▶ IBM Cloud
 - ▶ Red Hat OpenShift Clouds
- ◆ Cross-Cloud, Cross-Platform, Cross-Version replications
 - ▶ E.g., your stateful application running on top of OpenShift in AWS with gp2 storage-driver can be replicated to Oracle OKE with OKE version and available storage type of your choice.
- ◆ Backup: Simple restore of a single file or a full application
- ◆ Disaster Recovery: Fully automated Failover and Fallback
 - ▶ Failover to a geographically remote location in the cloud of your choice, or
 - ▶ Failover to another Cloud
- ◆ Protection for Stateful AND Stateless applications
- ◆ No vendor lock-in
- ◆ No storage lock-in

Solution Benefits

- ❖ Any to Any Syncs - Cross-cloud, Cross-platform, Cross-version replication, Backup, and DR support
- ❖ Container Image Registry - replication, Backup, and DR support
- ❖ Automated Failover and Fallback
- ❖ [Red Hat Certified Solution](#)
- ❖ Native Cloud Block Storage and Object Storage Integration
- ❖ Available in Cloud Marketplaces

Getting Started

- Find Detailed Product info [here](#)
- Request a RackWare SWIFT demo [here](#)
- Look for 'RackWare SWIFT' on Cloud Marketplaces



Support Matrix

SWIFT supports the following container orchestration platforms for replication, backup, and DR:

- ❖ Kubernetes (Vanilla) v1.14+
- ❖ OpenShift Container Platform v4.5+
- ❖ Oracle Linux Cloud Native Environment (OLCNE) v1.14+
- ❖ Google GKE v1.14+
- ❖ Amazon EKS v1.14+
- ❖ Azure AKS v1.14+
- ❖ Oracle OKE v1.14+
- ❖ IBM Container Cloud – Kubernetes v1.14+
- ❖ IBM OpenShift Cloud v4.5+
- ❖ OpenShift Dedicated for AWS and GCP v4.5+
- ❖ Azure RedHat OpenShift (ARO) v4.5+
- ❖ OpenShift Origins (OKD) v4.5+

Solution Highlights

Easy Set-up – SWIFT installs seamlessly outside of your managed clusters and automatically Discovers all aspects of each cluster, determining application object dependencies. The selected namespaces, application Pods, volumes, and other objects are then Captured.

Delta Sync Engine – SWIFT provides a simple-to-use interface with a powerful policy engine that allows the user to configure Sync Policies for all Discovered clusters. Whether you are Migrating the Cluster, doing Backups or Disaster Recovery, SWIFT's powerful Delta Sync Engine will keep your active and captured Clusters in Sync.

Disaster Recovery/Backup – SWIFT provides two modes for Disaster Recovery. First is a live-sync mode where all clusters/applications are up-and-running in a remote location, with SWIFT continuously syncing both Stateful and Stateless data between Source and Target. The second option allows the user to sync all data to SWIFT storage and recover all clusters/applications from SWIFT storage only in the event of a disaster, or for a test drill. This mode provides huge cost savings with dynamically provisioning your DR clusters only for DR event while still achieving outstanding RPO and RTO times.

Migration – SWIFT has the capability to Migrate any cluster version from any cloud to any other cloud. It does this by first automatically creating a transient agent Pod with empty volumes in the target location, then replicating the data between clusters.

Cross-Platform – For both Migration and Disaster Recovery use cases, SWIFT can replicate cross-platform, cross-cloud, and cross-version.

Security – All data transfers using SWIFT are fully encrypted via SSH.


Supported Clouds



About RackWare

RackWare Cloud Platform combines data mobility and protection in a Converged Disaster Recovery and Backup solution. The Platform is hypervisor-agnostic, allowing it to move and protect any Windows, Linux and Kubernetes workload from on-premise to Cloud, or Cloud-to-Cloud. The Platform can also be used for Cloud Migration projects. Benefit from the ability to manage, move and protect your data and applications seamlessly across all Clouds with full automation and powerful policy engines in one Cloud Management Platform.



 408-430-5821

 info@rackwareinc.com

 www.rackwareinc.com

 www.linkedin.com/company/rackware-inc-