

Object Storage For Your OpenStack Cloud: The Ideal Solution for Glance Images & Cinder Backups

Challenge:

OpenStack users know the value of OpenStack—the ability to deploy and manage large pools of heterogeneous compute, network, and storage resources with a popular open-source dashboard and API, and Swift object storage has been an integral part of OpenStack since its founding—specifically for storing the Glance service’s virtual machine images and the Cinder service’s block storage volume backups.

Unfortunately, however, the deployment, management, and monitoring of OpenStack Swift is not easy; it is complex, time-consuming, and error-prone—especially when that object store grows to hundreds of nodes containing petabytes of data for Glance, Cinder backups, and other applications outside of OpenStack that leverage Swift object storage directly.

Solution:

SwiftStack was designed **specifically** to simplify the deployment, management, and monitoring of OpenStack Swift. There is—without question—no easier way to configure and maintain a Swift deployment—whether it starts small for just a few Glance images or Cinder backups or grows to a massive scale to support a web application, host data for an enterprise file-sync-and-share service, or contain backup data from other applications as well. And because SwiftStack’s object storage **is** OpenStack Swift, the integration with OpenStack couldn’t be simpler.

But not only does SwiftStack make OpenStack Swift simple, it also provides things that cannot be found with Swift alone—things like authentication via LDAP or Active Directory (or OpenStack’s Keystone service if desired), integration with Nagios or Zabbix tools for monitoring, and support from the industry’s recognized experts in and leading contributors to OpenStack Swift.

Benefits:

- **Scalability:** scale capacity and performance from terabytes to exabytes.
- **Availability:** geographically distributed data can be accessed anytime, from anywhere.
- **Durability:** highly durable architecture with no single-point of failure.
- **Seamless Integration:** plug directly into existing OpenStack deployments without disruption.
- **No Vendor Lock-in:** by using low-cost, industry standard servers and storage.

Highlights:

- **Simple Deployment**
- **Simple Management**
- **Simple Monitoring**
- **Lowest TCO**

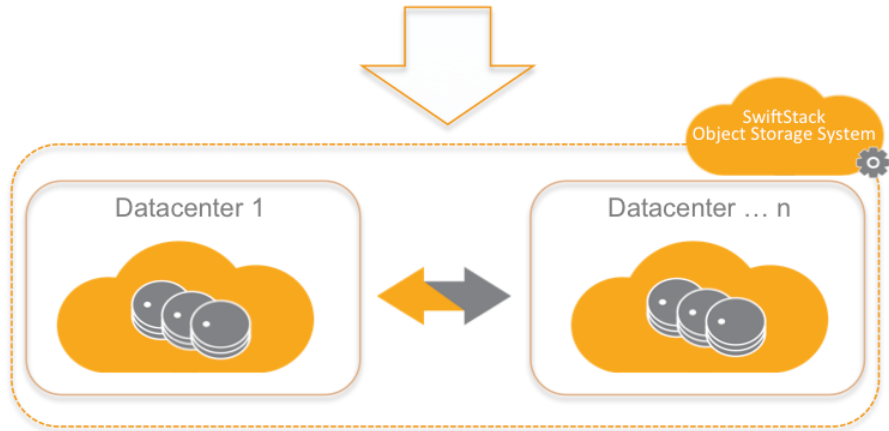
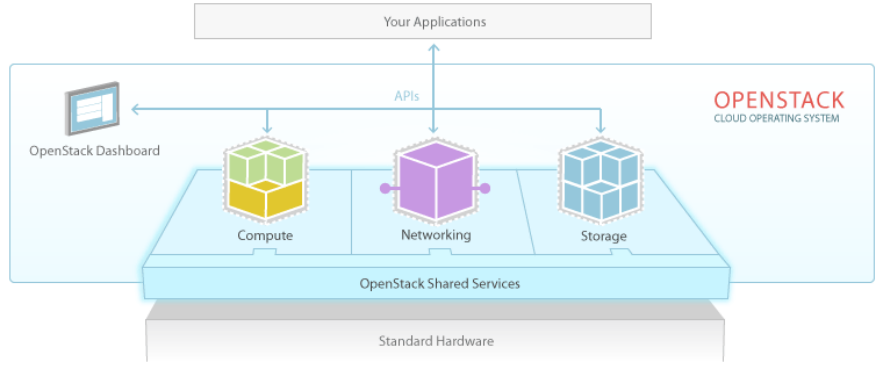
Key Features:

- **Massively Scalable**
- **Geographic Distribution**
- **Seamless Integration**

Solutions:

- **Glance VM Images**
- **Cinder Volume Backups**
- **Unstructured Data for Other Use Cases**

With OpenStack software and SwiftStack's object storage platform, IT can now realize the benefits of public cloud flexibility, scalability, and cost model in a private cloud implementation.



Contact us to learn more!



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