

OpenStack Swift

Open sourced Object Storage for today's applications

OpenStack Swift is a multi-tenant, highly scalable and durable software defined storage system designed for high performance storage of unstructured object data. When data needs to be instantly accessible, stored forever and available through a variety of devices and networks, traditional storage silos fall short.



OpenStack Swift allows you to build, operate, monitor, and manage distributed object storage systems that can scale from the smallest deployment up to millions of users, hundreds of petabytes and many locations.

"Swift is the most stable and widely-adopted part of OpenStack, with a successful operational track record at scale, commonly used by cloud SaaS providers and has become the most common implementation of object-based, S3-style storage." – Gartner

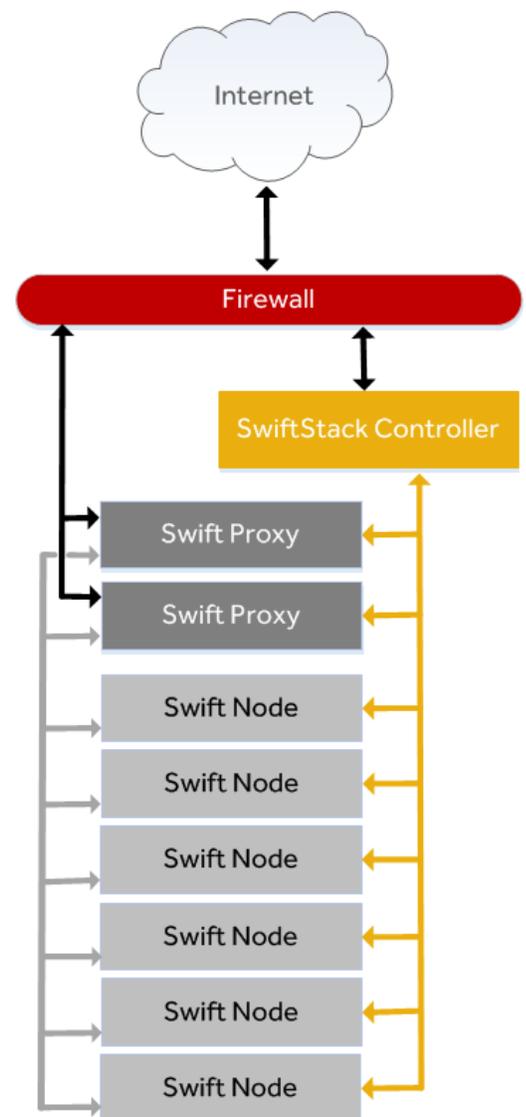
Benefits at a Glance

For Application Developers

- Focus on app development, not infrastructure plumbing
- One multi-tenant storage system for all your apps
- Handle any unstructured data type – images, videos, audio, files, and objects
- Flexible account and container hierarchy simplifies development
- Built for the web, data accessed directly via RESTful HTTP API
- A rich ecosystem of tools and libraries supporting C#, Java, .NET, Python, Ruby, and others

For IT Operations Teams

- Deploy new storage in minutes, not days
- Supports both public cloud and on-premise private clouds
- Performance scales linearly as nodes are added
- Highly durable architecture with no single-point of failure, triple-redundant storage of all data
- Integration prebuilt for storage gateways, file managers, backup tools and file systems
- Easily monitored and managed using SwiftStack Controller
- Nodes and drives can be added and swapped out with no downtime
- No vendor lock-in, uses low-cost, industry-standard commodity servers and storage



Key Capabilities

OpenStack Swift is the industry's most widely adopted open source object storage system – its key capabilities include:

Durable

Swift assumes that hardware will fail – there is no single point-of-failure and data remains accessible with no loss of performance even during network interruptions. Every data object is saved with triple redundancy across the entire system, ensuring your data is always still available even if multiple drives, servers, or datacenters fail.

Scalable

Swift is designed to be horizontally scalable with no single point-of-failure. Swift clusters easily scale out from a few nodes and a handful of drives to thousands of nodes with hundreds of petabytes of storage, all easily managed from a centralized SwiftStack Controller.

Flexible

Swift's usage ranges from small deployments storing VM images and database backups, to mission-critical storage clusters for high-volume web services, mobile application development, secure file-sharing systems, data analytics and private storage infrastructure-as-a-service.

Open

Swift is open-sourced under the Apache 2 license, freeing you from vendor lock-in so you can optimize hardware investments for the needs of your applications. It has broad community support with over 100 contributors, a large ecosystem with numerous vendors, and dozens of production deployments.

Find Out More

For more information on OpenStack Swift, visit swiftstack.com/openstack-swift. For more information on SwiftStack's features, support, pricing, and product documentation, visit www.swiftstack.com.

SwiftStack: Enterprise-grade Management for Swift

SwiftStack provides you with critical insights and automation making your OpenStack Swift deployment quick and painless.

SwiftStack Controller's browser-based dashboard interface removes the heavy lifting from configuration, roll-out, authentication, recovery, and load balancing. Regular alerts, reports and system stats keep you constantly updated on your storage systems performance and needs.

For more information on SwiftStack's features, support, pricing, and product documentation, visit www.swiftstack.com