

## SwiftStack Filesystem Gateway

SwiftStack's Filesystem Gateway provides open and scalable file-based access to Swift, the industry's most widely adopted open source object storage engine. The SwiftStack Filesystem Gateway combines the advantages of object storage – scale, durability, availability and low cost – with the ability to integrate with existing file-based applications.

### How It Works

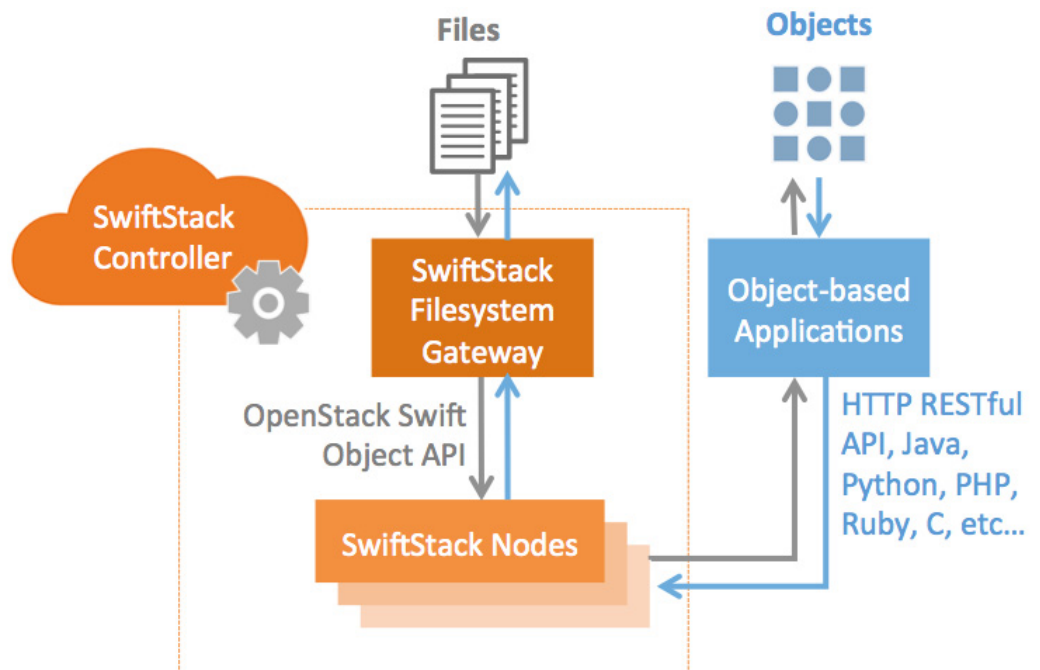
**Seamless Integration:** The SwiftStack Filesystem Gateway lets you deploy OpenStack Swift object storage and immediately begin using it with legacy file-based applications, with no need to re-code or update applications.

#### Access Protocols:

SwiftStack Filesystem Gateway provides access to any object in Swift storage as files via CIFS and NFS protocols and simply installs on any standard Linux distribution.

#### Mix and Match Workflows:

Accessing data as files via the SwiftStack Filesystem Gateway is just as easy as accessing objects via Swift. Data comes in as files and objects come out and vice versa. Customers can mix and match workflows between file and object easily.



## Key Features

- NFS and CIFS file-based access to any data stored in a Swift cluster
- Installs on any standard Linux distribution
- Allows you to use Swift storage with legacy applications – no recoding necessary
- Preserves file/object integrity allowing object API access by other applications
- Multiple gateways can operate in concert with a synchronized filesystem view
- Integrated authentication with Active Directory retaining file ownership and permissions
- No vendor lock-in, uses low-cost, industry-standard commodity servers and storage
- Manage your entire storage infrastructure via the SwiftStack Controller

## Benefits – at – a – Glance

- Unify your file and object-based storage in a single system
- Freedom from gateway lock-in
- Mix and match workflows at scale
- Seamless integration with enterprise authentication

### Truly Unified Storage

Direct equivalence between access to Swift objects using the Filesystem Gateway and access via the Swift HTTP-based object APIs means that the same data can be accessed concurrently as either files or objects without any limitations or restrictions. This lets you deploy OpenStack Swift as a common unified storage platform for both legacy file-based applications and object-based apps.

### Uninterrupted Scalability

The Filesystem Gateway has no single point of failure. Multiple gateway nodes can be connected to the same Swift cluster to scale up performance and support more users. Data accessed via the gateway can easily scale out from a few terabytes to hundreds of petabytes.

### Freedom from Lock-in

SwiftStack's Filesystem Gateway installs on any standard Linux distribution running on commodity server hardware. There is no vendor lock in on the hardware or on data stored via the Filesystem Gateway.

### Security

The Filesystem Gateway ensures that file ownership and permissions are preserved. It can use either Active Directory via integration provided by the SwiftStack Controller or standard Linux filesystem permissions.

*"SwiftStack has transformed how we archive and structure our extensive media repository. With SwiftStack 2.0 and its Gateway feature, we can finally bridge the gap between object storage and other storage systems used internally. Our legacy media asset management application now leverages scalable object storage without any custom development or reconfiguration."*

**Scott Adametz, Director,  
System Architecture & Technology  
Pac-12 Networks**

## Find Out More

For more information on the new Filesystem Gateway and SwiftStack's other features please visit [SwiftStack.com](http://SwiftStack.com).