

IOSIS

S3 Product Suite

IOSIS - Product Suite

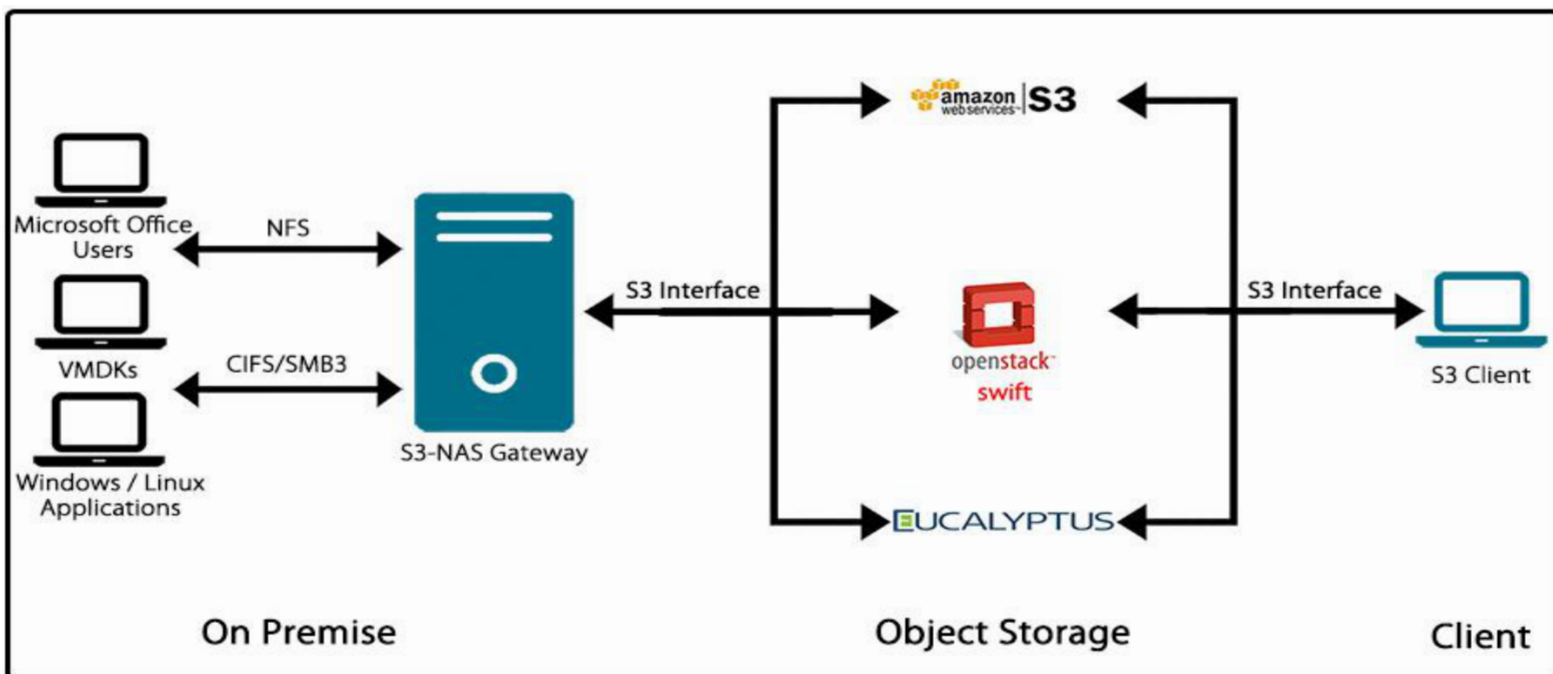
The growth in unstructured data continues to push the limitations of traditional storage architectures. Companies are increasingly using object storage for managing massive amounts of data. S3 has become a de facto standard for storing object data and storage vendors need to ensure that their Object Store is compatible with the S3 interface. As more and more enterprises start demanding object storage, Ryussi Technologies has developed an entire suite of products IOSIS (Intelligent Object Storage Interface Suite) to help you with your S3 portfolio.

IOSIS (Intelligent Object Storage Interface Suite) is a suite of components that is designed to provide Object Storage Interfaces over Storage systems, on the server, client and compliance test levels. The IOSIS suite allows customers quickly provide an Object Storage Interface for their proprietary storage system. Additionally, it provides customer clients as well as gathers detailed analytics in a fine-grained manner (at a packet level when the IOSIS server and clients are used in tandem)

- IOSIS S3 Head
- IOSIS S3 Clients for Windows, Linux and Mac OS
- IOSIS S3 Compliance Suite and Test Automation Framework
- IOSIS S3 Analytics
- IOSIS S3-NAS Gateway
- IOSIS S2 Data Mover

Product Brief

- IOSIS S3 Head exports local storage – Block or Filesystems – as an S3 compatible object storage system.
- The IOSIS S3-NAS Gateway is soft appliance providing SMB share per user for storage and using S3 store for archiving the data on the backend.
- The IOSIS S3 Client enables users to map a S3 store as a regular drive and store data seamlessly in an object store.
- The IOSIS S3 Compliance Suite and Test Automation framework allows storage vendors to test their S3 interfaces with ease and accuracy.
- The IOSIS S3 Analytics provides performance benchmarks to object storage vendors



IOSIS S3-Head

IOSIS S3 Head exports local storage – Block or Filesystems – as an S3 compatible object storage system.

- Any block or file storage can be used as backend.
- Non GPL source code license.
- Proprietary compression, de-duplication, erasure coding, encryption, caching algorithms can be incorporated in the read write path.
- High availability and scale out support (Future release)

IOSIS S3 Clients for Windows, Linux and MAC OS

The S3 client software enables applications like MS-Word, MS-Powerpoint etc. discover a S3 drive as a regular drive. It stores the files as objects. The S3 drive can be used for backup & archiving purpose. Large files such as log files can be stored on the S3 drive

- Installable file system framework based user mode file system.
- Accessible to user as a drive.
- User can perform file operations using existing application as Windows Explorer
- Existing application need no change in file APIs even though they are accessing S3 based storage.
- Pluggable architecture to implement encryption, compression

IOSIS S3 Compliance Suite & Test Automation Framework

IOSIS S3 compliance framework enables storage vendors to automatically test their S3 interfaces with one click.

- Full coverage of Amazon S3, SWIFT and Eucalyptus interface and feature set
- Integration with build & source code control system for continuous integration & testing of vendors S3 system.
- Centrally managed, easily configurable framework with one click command
- In-depth reporting & analytics of test results & system health parameters
- Benchmarking of upload/download operations and related analytics
- Supports on premise, private and public cloud setups
- Ability to scale up testing with 100s of Virtual Machines / Docker instances
- Compliance report with Amazon S3, Eucalyptus, Swift

IOSIS S3 Analytics

IOSIS S3 Analytics enables object store vendors to benchmark the performance and identify bottlenecks using complex workloads with varying parameters.

- Monitor bandwidth, throughput, success ratio, and response time
- Record hardware statistics such as network traffic, CPU & RAM usage.
- In-depth, per-workload performance report

IOSIS S3-NAS Gateway

The IOSIS gateway provides access to S3 object storage using existing NAS protocols such as SMB3 and NFS. Enterprises do not need to scale up their local storage capacity of file servers as they can use scalable S3 store on the backend. The main features of S3-NAS gateway are:

- Any S3 compatible object store can be configured at the backend. (Amazon S3, Swift, Eucalyptus)
- A powerful unified object storage available as a simple SMB3, NFS share or FTP protocol
- Global object locking
- Caching of objects optimize the i/o & provide a staging area for objects
- SMB-S3 gateway is a soft appliance VM
- Access to S3 object store can be scalable by configuring multiple SMB-S3 Gateways
- High Availability Support

IOSIS S3 Data Mover

IOSIS S3 Data mover is a client side agent which runs on linux, Windows or Mac OS clients and allows the data to be moved over to the S3 storage

- Supports any S3 compliant implementation
- Supports multiple filter criteria
- Can set up watches of files
- Can set time schedule for data movement

About Ryussi

Founded in 2012 by Storage and Networking veterans, Ryussi Technologies is a Pune, India based company specializing in Storage and Systems Software. Ryussi is focused on Product Development and Consulting and its clientele include several startups and Fortune 500 companies. Over the years, it has worked on several challenging problems in the areas of Storage, Virtualization, OpenStack, SDN and Big Data Analytics. For more information please visit our website at www.ryussi.com