Solbox

Solbox Cloud Storage

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1. Contents

1.1. Solbox Cloud Storage

With the rapid growth of Internet services, data consumption by terminals connected to the Internet is increasing explosively, and more than 80% of this data is expected to be unstructured data.

Legacy storage structures such as DAS, NAS, and SAN have limitations in meeting the technical requirements for function, performance, and scalability for storing such unstructured data.

Solbox Cloud Storage is an object-based storage that distributes files on a per-object basis, providing high performance, data protection, and scalability with the robust fault tolerance of the distributed file system environment.

In addition, Solbox Cloud Storage is a software-based solution that can be easily added and improved, and its horizontal scale-out structure enables predictable resources for performance improvement.

Solbox Cloud Storage makes it easy to apply these many advantages of modernized storage to customer service to upgrade services

1.2. System Work Flow

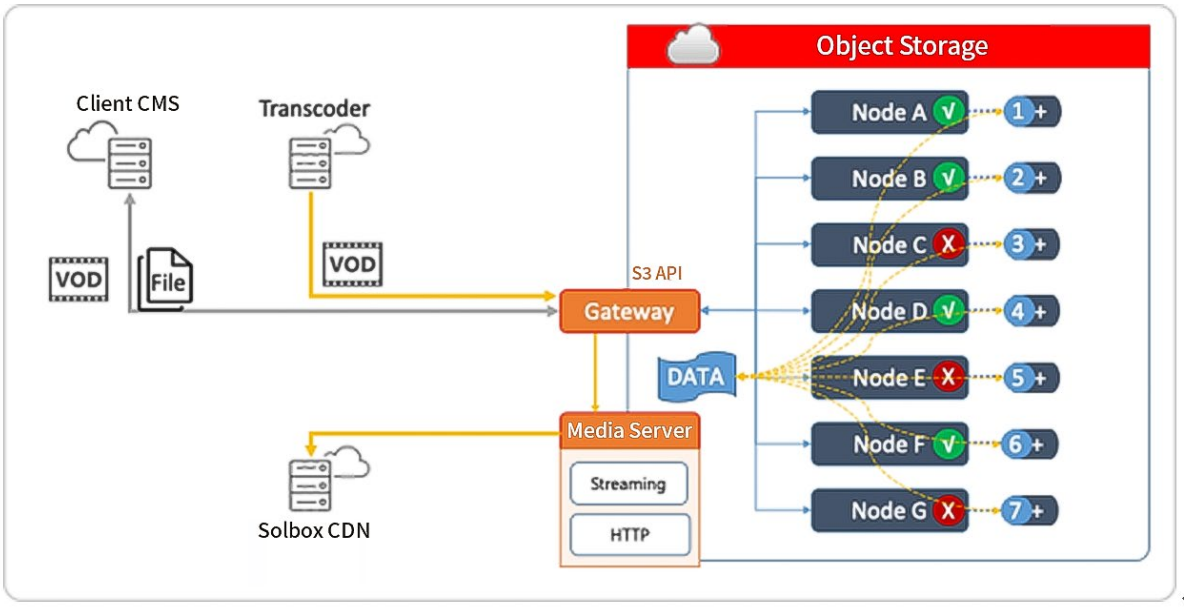

Figure 1) Cloud Storage concept diagram

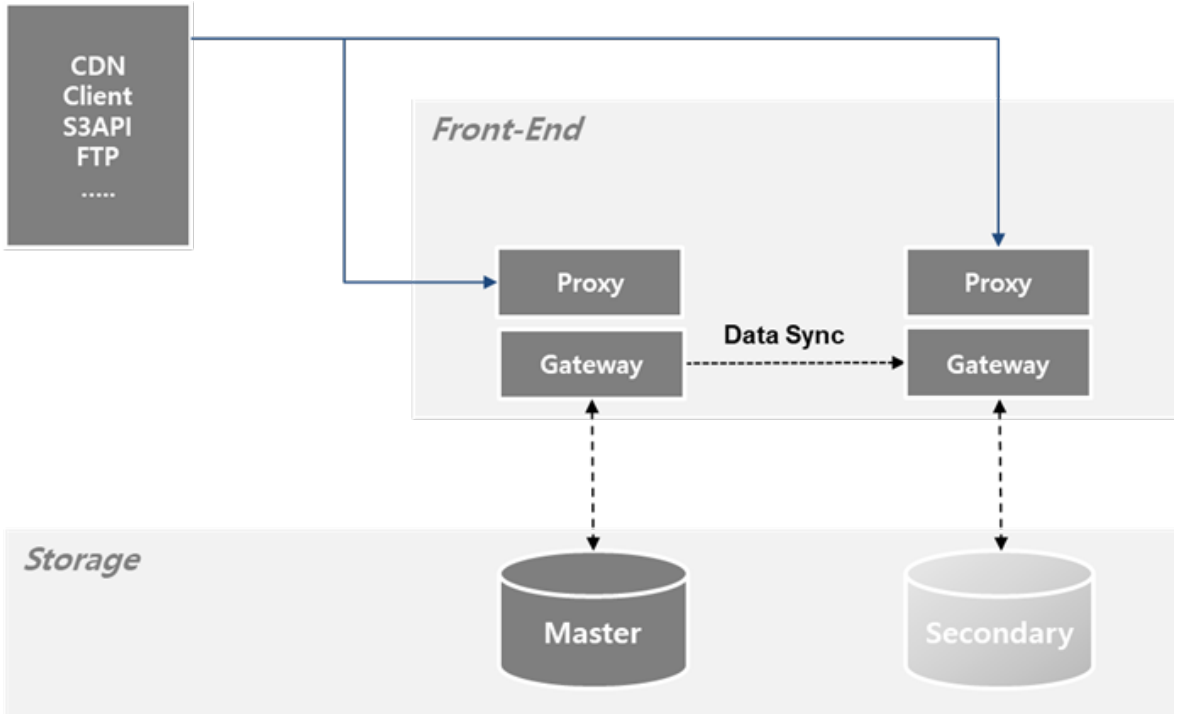

Figure 2) Solbox S3 Storage Diagram

2. Benefit

- Provides an interface compatible with S3 RESTful APIs such as Amazon Microsoft Azure and Google Cloud Storage for familiar and easy connectivity for cloud service users.
- Optimizes web applications by allowing direct access to objects using HTTP commands (GET, PUT, DELETE)
- Always delivers optimized performance using distributed file systems
- Maximizes service reliability with system self-recovery and internal failure detection

3. Key Features

- **Software Defined Storage**

  Beyond legacy hardware-based storage limits, resources can be delivered flexibly, and new features can be easily introduced.
- **Strong Fault Tolerance**

  Provides various options for content loss prevention, such as replication, erasure code, and multi-IDC
- **Self-Recovery**

  Eliminates the possibility of content loss through the self-detection and self-recovery of data
- **Distributed File System**

  Easily improve bottlenecks that are difficult to solve in legacy storage with several abstracted hardware
- **Easy Load Balancing**

  Supports linear performance growth with storage hardware expansion
- **Storage Size**

  Easily deliver exabytes of storage with more than a billion content for a single customer
- **Legacy Support**

  Provides a separate system that works with the S3 API to support the FTP service environment

4. Applications

- Large OTT company on a domestic scale
- Major broadcasting station on a domestic scale
- Leading game publishing company on a domestic scale