

Storage

# File Storage

## Storage with Multiple Clients Sharing Files via Network

File Storage grants data access to a heterogeneous group of clients through network. Servers connected to the File Storage volume allow easy storage and sharing of data, supporting applications using multiple servers. The service is available on a range of diverse applications from web content management and repository for entertainment data processing to container storage and big data analysis.

### Elastic Volume Storage

Once a file storage is created, storage volume will automatically scale up and down depending on creation or deletion of user data. Users will not be charged for creating a storage volume, but for usage.

### File System Shared Storage

Multiple clients can simultaneously share file systems via network, helping users manage data more securely and conveniently. NFS v3 protocols are applied for Linux servers and CIFS for Windows servers to offer strong security.

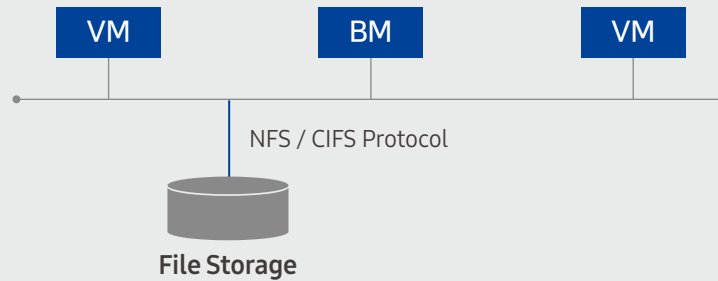
### DR Replication of Critical Data

DR replication to copy the original File Storage to another Region of Samsung Cloud Platform ensures data provision with DR storage if the original storage is unavailable due to a system failure or a natural disaster. (Additional network cost will be charged for data replication in addition to storage cost.)

### Snapshot-based Backup

Snapshot images for each volume are available. The user-created snapshots support rapid recovery of File Storage volume in case of change or deletion of data.

## Service Architecture



### Key Features




- **Snapshot creation and recovery management**
  - Instantly create and provide snapshots
  - Set cycles for automatic snapshot creation (daily : units of hours, weekly : at a specific time)
- **DR replication**
  - Manage sync policies (temporary suspension, synchronization)
  - Manage sync cycles (5 min, 1 hour, daily, weekly, monthly)
- **Encryption by volume (AES-256 algorithm)**
  - Protect customer's valuable data safely
- **Access control by volume**
  - Configure access control by selecting a server in use
- **Provide NAS optimized for high-performance workload**
  - Provide NAS that can be connected to Bare Metal Server
- **Provide multi-AZ function**
  - Data synchronization between AZ guarantees service high availability in times of DC disaster

### Pricing

- **Billing**
  - Charged by storage usage : Storage usage (GB) x unit price
- **Metering standard**
  - Storage usage : The amount of data stored
  - Discount rates applied according to the usage

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