

Storage

Block Storage



High-Performance Storage for Processing Big Data and DB Workload

Block Storage is high-performance storage that stores data in fixed-size blocks of pre-determined arrays. It is suitable for big data and high-performance requirements, and users can directly attach storage volumes to servers.



High-Capacity Volume

A volume for configuring Block Storage OS is created in sizes higher than a minimum capacity required per image, which can be expanded up to 1TB. On the other hand, a data storage volume can be created or increased between at least 8GB and up to 12TB in size. The process of increasing the volume size is performed online with stability ensured. The Block Storage(BM) volume can be created between the range from 1 GB to 16 TB in size.



High Performance with Full SSD

Block Storage provides high durability and availability based on the redundant controller and disk array(RAID). A full SSD disk which is provided by default enables high-performance data processing such as for database workloads.



Snapshot Backup

Snapshots enable users to modify or restore backed up data. Users can restore data by selecting a snapshot created at the time of recovery from the list.

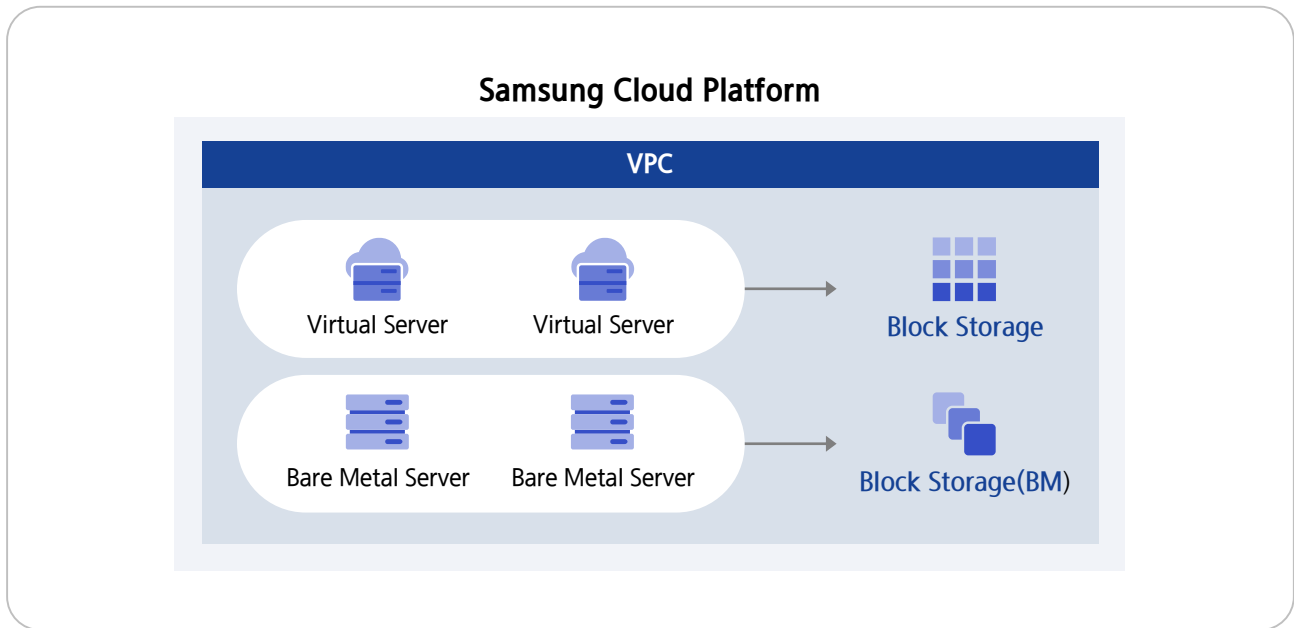


Replication

A Block Storage(BM) volume creates a replicated volume in a different location, and users can set the replication cycle. It allows a service to be continuously delivered without interruption even when an original volume is inaccessible due to a failure or a natural disaster.

※ Data replication between regions incurs network fees.

Service Architecture



Key Features

- **Provided capacity**
 - Block Storage(BM) : Range from 1GB to 16TB in size
 - Block Storage
 - OS area : Can be increased between the minimum capacity required per OS image ~ 12TB
 - Additional storage : Can be created or expanded within 8GB ~ 12TB
- **Server connection**
 - Attaching/detaching volumes to servers
 - Multi attach allowing data sharing between more than two servers
- **Encryption**
 - Employing the AES-256 encryption algorithm to all disk types
- **Snapshot backup**
 - Restoring modified or deleted data with snapshot images
 - Restoring by selecting a snapshot created at the desired point in time
 - Block Storage : Can create a new volume by using a snapshot

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