

Database

CacheStore(DBaaS)



A Key-Value In-Memory Data Store with Fast Data Processing Capabilities

CacheStore is a NoSQL database service that stores and retrieves data in memory quickly, and provides the Redis OSS and Valkey engine.

It provides an environment that automatically creates and configures database, and to ensure the proper management of a single instance or critical data, features such as high availability capability, read/replication, backup/restoration, parameter management, auditing, and monitoring were added.



Excellent Performance

Redis is used as an in-memory data store or cache to support applications requiring an immediate response. In addition, cluster configuration distributes resources through other servers when there is an overload in the node, thereby enabling efficient and high-performance data processing.



Convenient DB Management

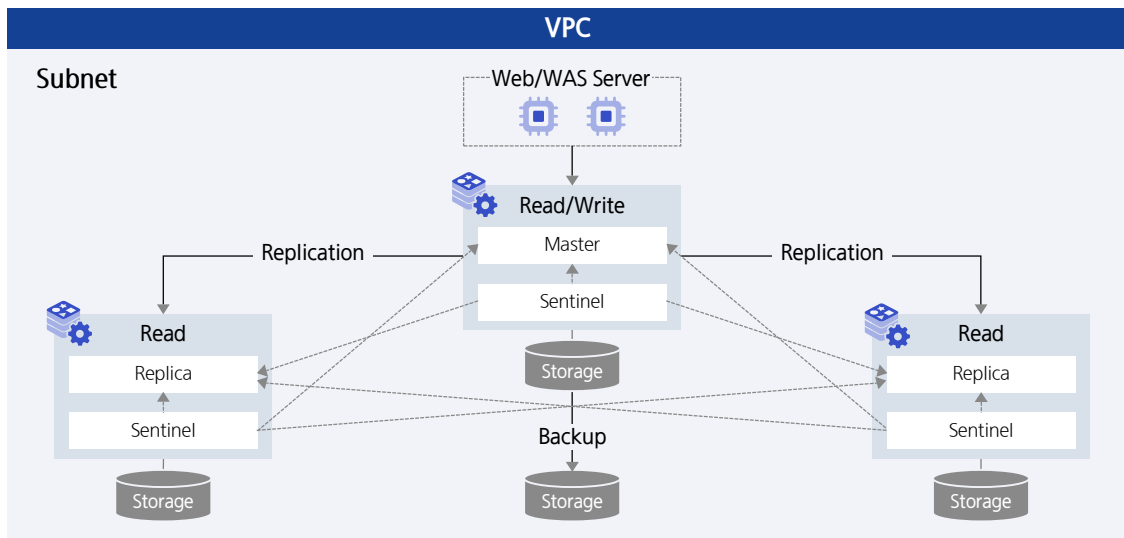
CacheStore uses a web-based console to automate DB managers' tasks, allowing easy access for anyone to be able to create and manage databases. With Samsung Cloud Platform taking care of complicated database management, users can focus on application development and service operation.



Outstanding Reliability and Availability

CacheStore offers optimized environments to securely manage customers' data based on Samsung SDS' decades of experience and know-how on DBMS management. The highly reliable high performance infrastructure and sync replication architecture developed by Samsung SDS also ensure high availability.

Service Architecture



Key Features

- **Rapid and safe DB creation**
 - Auto provisioning : Automatically install standard version Samsung Cloud Platform database using Virtual Server with various spec
 - HA architecture : Provides sentinel-based high availability configuration(Single Master - Replica)
- **Simple and convenient DB management**
 - Backup : Provide backup which uses DB backup feature
 - Recovery : Able to recover to a specific point in time or to a backup stored point of based on backup files stored in storage
 - User parameter setting : Set parameters regarding better DB performance and security
 - Rename command : Change the default command to a user-defined one

※ CacheStore(DBaaS) service provide open source Redis OSS and Valkey.

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