

Database

PostgreSQL(DBaaS)



Easily Creates and Manages Open Source PostgreSQL in a Web Environment

PostgreSQL is an open source relational DBMS that offers advanced levels of scalability and creates objects in a flexible manner. Samsung Cloud Platform provides an environment that automatically creates and configures PostgreSQL database, and to ensure the proper management of a single instance or critical data, it added features such as high availability capability, read/replication, backup/restoration, patch, parameter management, auditing, and monitoring.



High Compatibility with Oracle DB

PostgreSQL has enhanced its services such as SQL Hint, SQL Query, and DB performance management interface to ensure high level of compatibility with Oracle DB.



Convenient DB Management

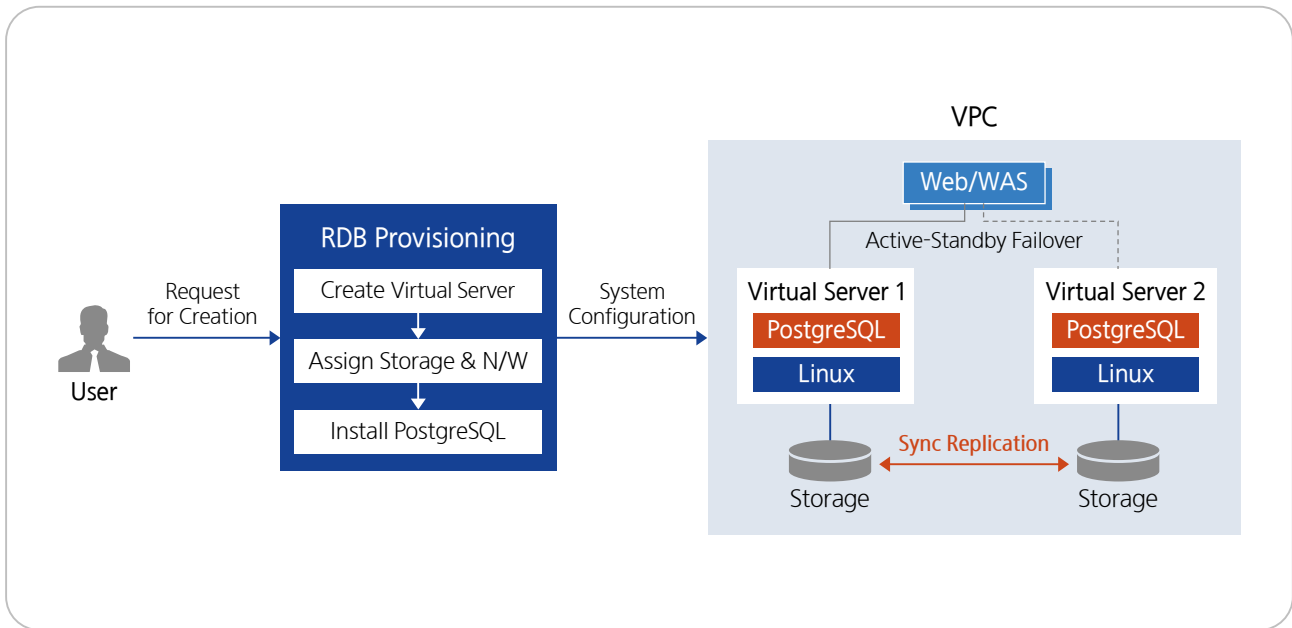
PostgreSQL(DBaaS) uses a web-based console to automate DB managers' tasks, allowing easy access for anyone to be able to create and manage databases. With Samsung Cloud Platform taking care of complicated database management, users can focus on application development and service operation.



Outstanding Reliability and Availability

PostgreSQL(DBaaS) 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 : Active-standby configuration based on SW-level synchronous replication
- **Simple and convenient DB management**
 - Backup : Provide full 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(data & archive) stored in storage
 - Patch : Provide patch function for minor version
 - User parameter setting : Set parameters regarding better DB performance and security
 - Read Replica : Configure up to five read-only servers in the same or different regions for load distribution for read performance or for disaster recovery(DR)
 - ※ A configuration that allows inter-region linking via network must be configured in advance for Replica DR.
 - Data migration : Automatically migrated between DBs of the same type(Engine version is the same)

※ PostgreSQL(DBaaS) service provides PostgreSQL, an open source relational database. Please refer to the PostgreSQL website for information on copyright and license of PostgreSQL. (www.postgresql.org/about/licence)

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