

Database

EPAS(DBaaS)



Easily Creates and Manages EPAS in a Web Environment

EPAS(EDB Postgres Advanced Server) is a relational DBMS for enterprises that is highly compatible with Oracle database. Samsung Cloud Platform provides an environment that automatically creates and configures EPAS database, and to ensure the proper management of a single instance or critical data, features such as high availability configuration, read/replication, backup/restoration, patch, parameter management, auditing, and monitoring were added, thereby automating database lifecycle management.



High Compatibility with Oracle DB

Being highly compatible with Oracle database, EPAS is the most preferred database for cloud migration. This relational database is also economical and reliable.



Convenient DB Management

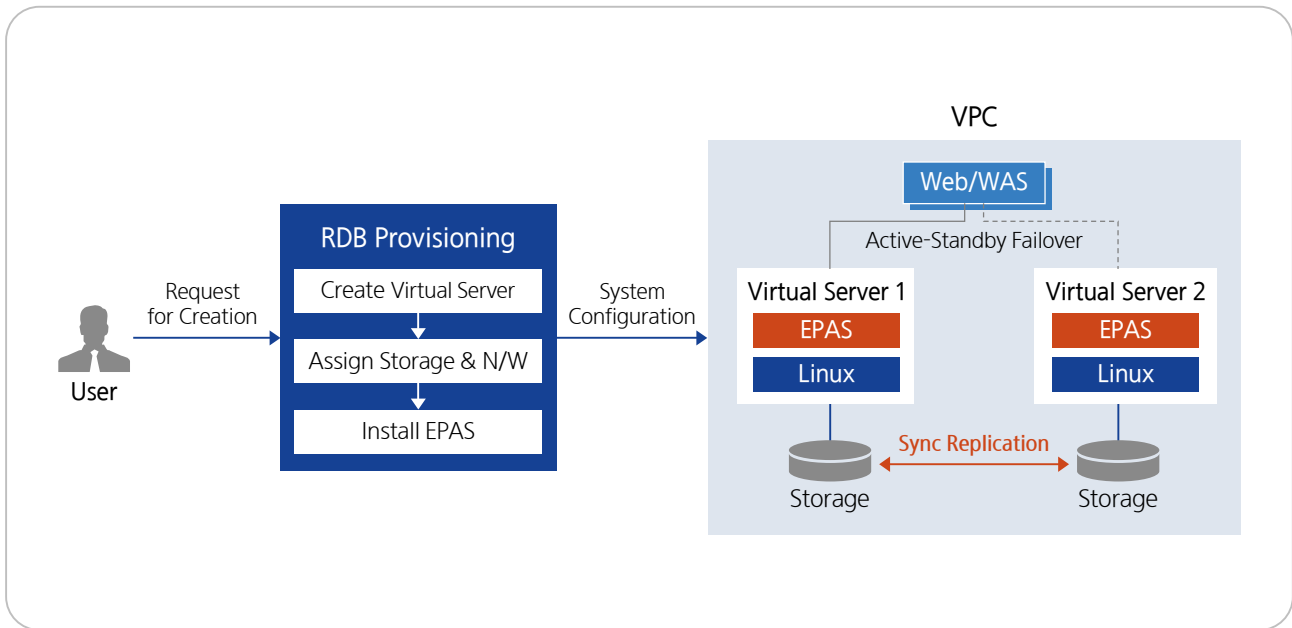
EPAS(DBaaS) uses a web-based console to automate DB managers' tasks, allowing easy access for anyone to be able to create and manage databases. With Samsung Cloud Platform taking care of complicated database management, users can focus on application development and service operation.



Outstanding Reliability and Availability

EPAS(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)

※ EPAS(DBaaS) service provides EPAS, a relational database of EDB. EPAS' software licenses use Bring Your Own License(BYOL), and software licenses in the cloud must comply with the policies of EDB.

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