

# Fortify EDB Postgres® AI Database Backup and Recovery with Rubrik Security Cloud



Advance security, high availability, and compliance with EDB Postgres AI.

## Challenge

Today's global enterprises and government agencies require secure and air-gapped database backups to protect against cyberattacks, ransomware threats, accidental deletion, or natural disasters. However, not all enterprise security obligations and demands can be met with native Postgres backup capabilities.

Preventing data alteration or deletion while minimizing downtime during Postgres database backups is now imperative for enterprise and public sector security.

Immutable database backups provide a solution to these needs, and hence no longer represent a "nice-to-have" security feature as organizations in highly regulated industries require these safeguards to meet cyber insurance and industry compliance requirements.

## Solution

Deploy the unified [EDB Postgres AI](#) platform in the most demanding enterprise and government agency environments, leveraging [Rubrik data protection platform](#) integration with [EDB Postgres Advanced Server](#) (EPAS) and [EDB Postgres Extended Server](#) (PGE) transactional databases.

Enhance EDB Postgres AI database backup integrity by integrating Rubrik Security Cloud (RSC) data protection with EPAS and PGE to secure all AI, analytics, and transactional data and recover only what is needed, when it is needed. Fortify EPAS and PGE enterprise security with air-gapped, immutable, access-controlled backups that can be replicated and archived to multiple locations.

Streamline and enhance EPAS and PGE backups with rapid recovery, ease of use, and self-service access provided by RSC across both on-premises and cloud environments.



### Enhance data security and integrity

Prevent unauthorized modification or deletion of EPAS and PGE backups.



### Ensure business continuity

Minimize downtime and financial loss, with RSC enabling EPAS and PGE recovery in critical scenarios.



### Streamline database recovery

Reduce troubleshooting backup verification integrity cycles, with reliable EPAS and PGE backups.



### Ease regulatory and cyber insurance compliance

Use RSC immutable backups to meet regulatory industry audit and cyber insurance specs.

## How it works

Rubrik Security Cloud and a [Rubrik Secure Vault](#) (RSV) cluster are securely integrated with EPAS and PGE, leveraging Rubrik's proprietary backup connector technology to:

- Automatically discover and dynamically secure all EPAS and PGE databases across the enterprise and public cloud.
- Improve EPAS and PGE backup performance by leveraging modern techniques that include parallelization, backing up only data that has changed, and mounting data to make it rapidly available.
- Extend the flexibility to restore specific data or entire workloads collectively.

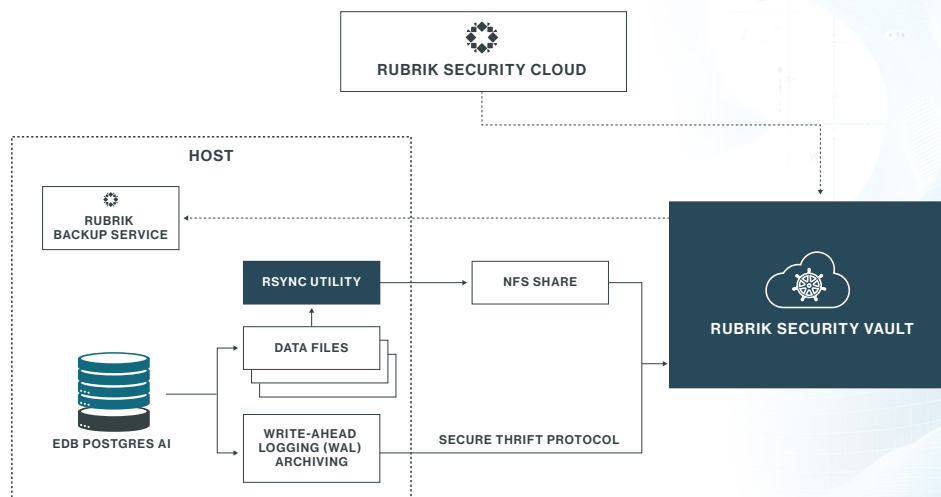


Figure 1. Integrated Rubrik Security Cloud and EDB Postgres AI Architecture

## Rubrik Security Cloud and EDB Postgres AI—better together

RSC extends EDB Postgres AI security with enhanced database backup features that include proprietary data reduction, as well as data deduplication, data compression, and encryption in transit by default.



### Automate Postgres database discovery

Leverage RSC connector to automate fleet management.



### Reduce storage consumption

For EPAS [write-ahead logging](#) (WAL) archiving, WAL files sent to RSV are compressed.



### Strengthen database encryption

As WAL files are copied to RSV, they are transmitted using the [secure thrift](#) protocol.



### Capture exact EPAS and PGE data states

On-demand snapshots offer both instant and manual backup options.

#### About Rubrik

Rubrik (NYSE: RBRK) is on a mission to secure the world's data. With Zero Trust Data Security™, Rubrik helps organizations achieve business resilience against cyberattacks, malicious insiders, and operational disruptions. Rubrik Security Cloud, powered by machine learning, secures data across enterprise, cloud, and SaaS applications.

#### About EDB Postgres AI

EnterpriseDB (EDB) provides a data and AI platform leveraging Postgres for transactional, analytical, and AI workloads across any cloud. Serving 1,500+ customers globally, EDB supports major industries and contributes to the PostgreSQL community. EDB ensures high availability, security, compliance, and observability, helping enterprises modernize and scale efficiently.