EDB POSTGRES ADVANCED SERVER ON AWS GOVCLOUD

Seamlessly Migrate from Oracle to the Most Secure Postgres Database Technology

Government database operations and security challenges

Databases are the backbone of today's government information systems, and security is essential in running these mission-critical, highly regulated environments.

However, today's public sector agencies face security, regulatory compliance and cost challenges when considering a migration from Oracle database environments to open source alternatives like PostgreSQL.

These challenges convince many agencies to make the move from Oracle, but migrations are time-consuming and can be very costly. If not managed properly, government service delivery and security may be impacted.

Secure database solution: EDB Postgres Advanced Server

The EDB Postgres Advanced Server (EPAS) provides the fastest way for public sector agencies to securely migrate from Oracle to Postgres. EPAS provides all the advantages of PostgreSQL, enhanced with government-grade features for consistency across any agency Postgres deployment—on-prem, in the cloud or hybrid environment.

Agencies can secure mission-critical data by taking advantage of advanced EPAS security features that include Transparent Data Encryption and advanced auditing.

EPAS is feature- competitive with Oracle Database, Microsoft SQL Server, and other commercial databases, so when agencies migrate government databases, their developers have less code to rewrite and DBAs can leverage their existing knowledge and tools.
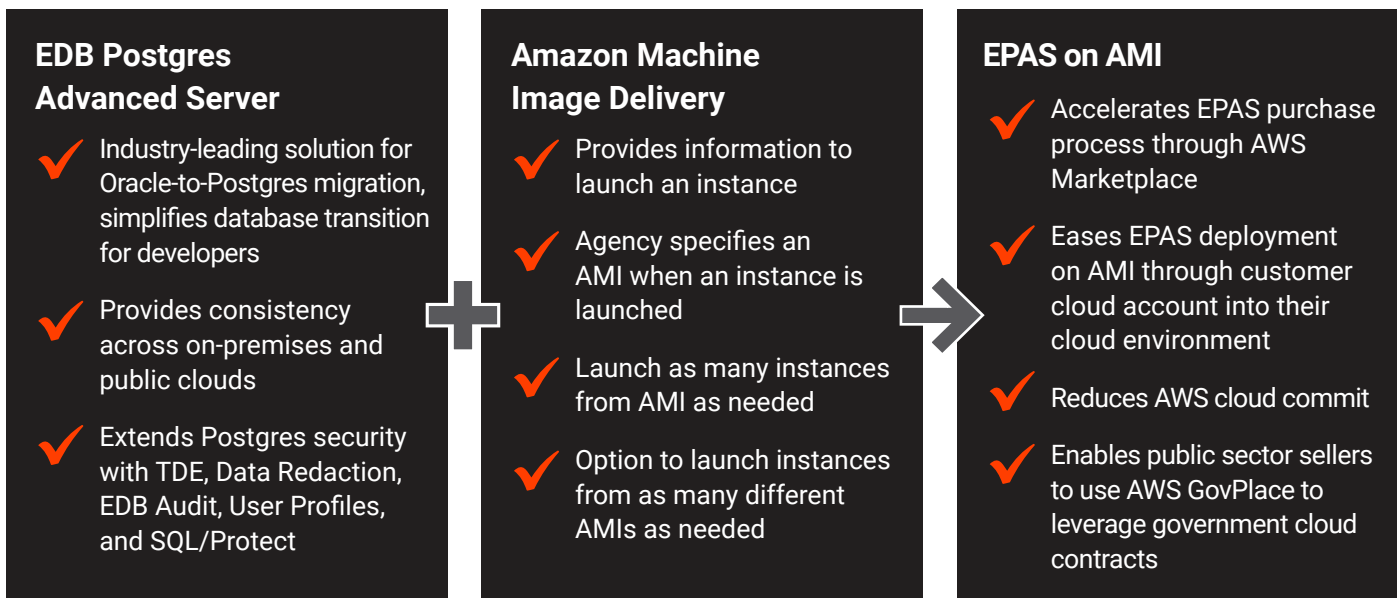
Fast Postgres deployment on AMI

Agencies can purchase EPAS via an Amazon Virtual Machine Image (AMI) on AWS GovCloud. Once an agency purchases and provisions the AMI in their environment, the process mirrors that of a user directly installing EPAS from EDB repositories onto a Red Hat Linux system.

Simplify Postgres procurement on AWS

The integration offers a seamless transition for AWS customers, converting the complexities of traditional procurement—including protracted negotiations and intricate licensing models—into a streamlined process. This shift is particularly beneficial for large agencies, where such complexities can significantly hinder operational efficiency.

Accelerate Postgres migrations

With EPAS, agencies can migrate most Oracle database schemas and data in fewer than 20 days and see up to 80% savings, compared to Oracle licensing and support costs.

EDB Postgres Advanced Server

✓ Industry-leading solution for Oracle-to-Postgres migration, simplifies database transition for developers

✓ Provides consistency across on-premises and public clouds

✓ Extends Postgres security with TDE, Data Redaction, EDB Audit, User Profiles, and SQL/Protect

Amazon Machine Image Delivery

✓ Provides information to launch an instance

✓ Agency specifies an AMI when an instance is launched

✓ Launch as many instances from AMI as needed

✓ Option to launch instances from as many different AMIs as needed

EPAS on AMI

✓ Accelerates EPAS purchase process through AWS Marketplace

✓ Eases EPAS deployment on AMI through customer cloud account into their cloud environment

✓ Reduces AWS cloud commit

✓ Enables public sector sellers to use AWS GovPlace to leverage government cloud contracts

Extend open source Postgres

The stand-alone, proprietary EDB Postgres Advanced Server adds functionality to extend open source PostgreSQL, including:

- Database administration
- Enhanced SQL capabilities
- Performance monitoring and analysis
- Application development utilities

Enhance agency security

EPAS includes government-ready security features that have been designed to meet the needs of clients in highly regulated industries with strict compliance and data governance requirements. SQL/Protect safeguards against SQL injection attacks. The sslutils Postgres extension provides SSL certificate generation functions to EPAS for use by the EDB Postgres Enterprise Manager server. The EDB*Wrap utility protects proprietary source code and programs from unauthorized scrutiny.

Additional EPAS security features include data redaction, Virtual Private Database, password profiles and EDB Audit.

Improve data modeling and queries

Increase the performance of Postgres databases in agency environments by leveraging EPAS features, like Postgres Workload Reports that improve diagnosis and troubleshooting, SQL Profiler, Optimizer hints and Index Advisor.

Dive deep into database usage

Enhance DBA productivity and gain deeper insights into your database usage and statistics by leveraging EPAS functionality and tools, like EDB Resource Manager, Debugger, Bulk Collect, Dynatune and Interval Partitioning.

Access industry-best Postgres support

EDB's Postgres database subject matter experts provide 24x7 support, so agencies receive timely assistance for EPAS troubleshooting, break/fix, installation, configuration, and optimization needs.

Benefit from EDB government experience

EDB serves government organizations worldwide, with enhanced security, operational innovation, faster digital transformation and scalability through Postgres, the most widely adopted open source database in government.

Buy EPAS on AWS GovCloud today. »

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