Manage Your Customer's Data with EDB

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EDB

What brings us here today?

- Manage Data
  - Learn how EDB can help
- Secure Data
  - Safeguard Information & Ensure Confidentiality
- Deploy Anywhere
  - Achieve a Flexible and Agile IT Infrastructure

Manage your data with PostgreSQL, we've got you covered

EDB supercharges PostgreSQL

Software, support, and services

For teams who want to do more and go faster

EDB

Why choose PostgreSQL?

Diversity of Use Cases

Migration

New App Development

Replatforming to Cloud and Containers

Diversity of Workloads

System of Record

System of Analysis

System of Engagement

Diversity of Deployments

Public Cloud – **IaaS**

Public Cloud – **DBaaS**

Private Cloud

Virtual Machines

Containers

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Why choose EDB?

Build PostgreSQL	Make Postgres Easier	Deliver customers the Postgres they need	Exploit & enable "Postgres everywhere"

PostgreSQL Innovation

Enhance the Core

EDB contributes to PostgreSQL continuously

- Collaborate with the broader Postgres community
- Demonstrate technical leadership
- Add features that matter to customers

Developer Productivity

Fast & Flexible

EDB helps developers move faster

- Leverage broad community support of platforms and languages
- Accelerate development speed through CLI & API options
- Full support for PostgreSQL community distribution

Enterprise Ready

Expert & Reliable

EDB adds enterprise features to PostgreSQL

- Performance, high availability, security, and scalability
- Enterprise class management and monitoring
- Migration tools & compatibility with Oracle

Multi-cloud Friendly

Deploy Anywhere

EDB enables flexible deployment options

- Postgres product support on all major cloud providers
- Cloud DBA Service for major cloud platforms
- Orchestrate and manage deployments across clouds
- Broad support of Postgres across deployment models

Embrace and engage communities beyond Postgres

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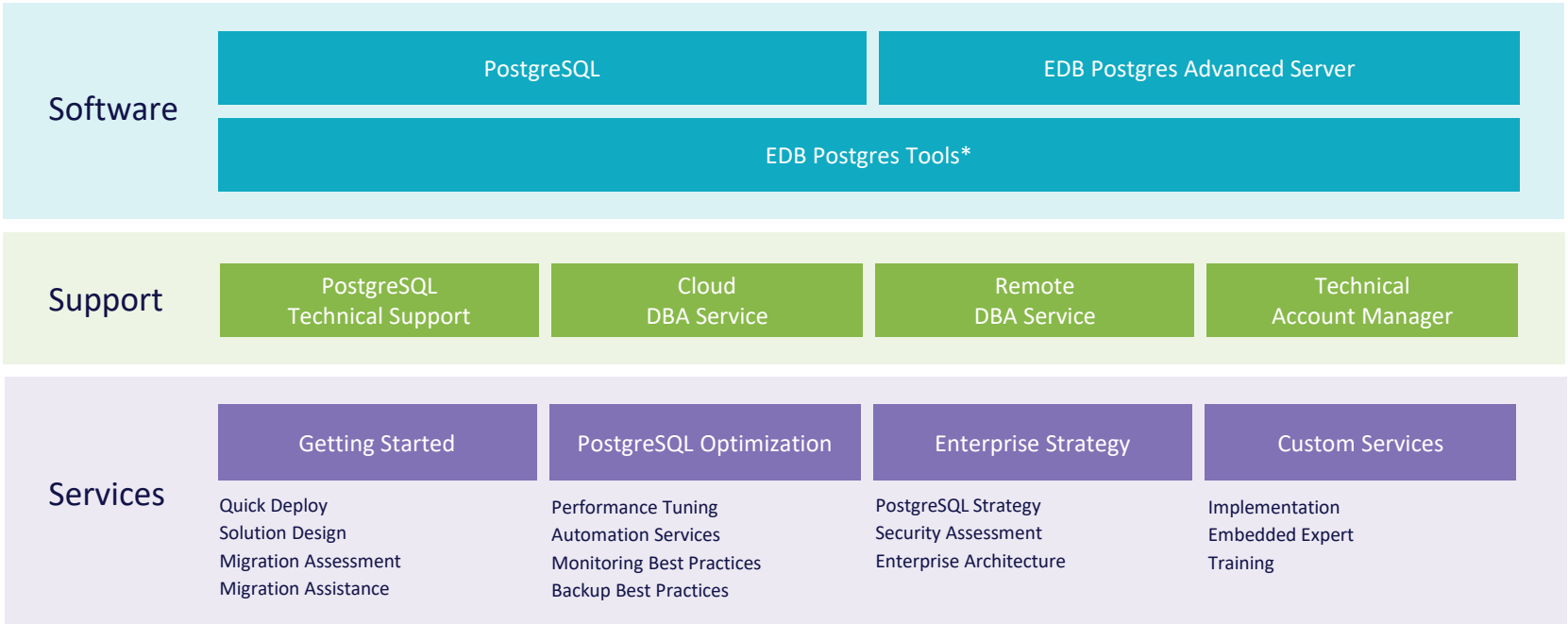
EDB offerings



* Postgres Enterprise Manager, Backup and Recovery Tool, Failover Manager, Replication Server, Containers, Kubernetes Operator, PostGIS, Pgpool, PgBouncer, Connectors, Foreign Data Wrappers, Migration Toolkit

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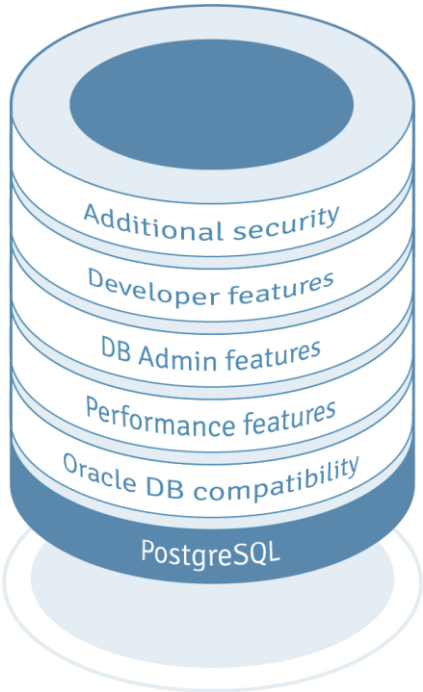
EDB

Secure Data: Safeguard Information & Ensure Confidentiality

EDB Postgres Advanced Server



EDB Postgres Advanced Server

- **Security -** Password policy management, session tag auditing, data redaction, SQL injection protection, and procedural language code obfuscation
- **Performance -** Query optimizer hints, SQL session/system wait diagnostics
- **Developer Productivity -** Over 200 pre-packaged utility functions, user-defined object types, autonomous transactions, nested tables, synonyms, advanced queueing
- **DBA Productivity -** Throttle CPU and I/O at the process level, over 55 extended catalog views to profile all the objects and processing that occurs in the database
- **Oracle Compatibility -** Offers compatibility for schemas, data types, indexes, users, roles, partitioning, packages, views, PL/SQL triggers, stored procedures, functions, and utilities

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Security enhancements and features

Password policy management

DBA managed password profiles, compatible with Oracle profiles

Audit compliance for SOX

Track and analyze database activities and user connections

Code protection

Protects sensitive IP, algorithms or financial policies by obfuscates DB source code

EDB/SQL protect

SQL firewall installed directly in DB server, screens queries for common attack profiles

Data redaction

Hide/remove data to protect sensitive information for GDPR, PCI and HIPAA compliance

Virtual private databases

Fine grained access control limits user views of data records in one table

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Deploy Anywhere: Achieve a Flexible and Agile IT Infrastructure

Benefits of Choosing EDB

At EDB we have a multi-cloud strategy focused on enabling customers to **deploy anywhere**.

Cloud & PostgreSQL Expertise

Leverage our on-demand DBAs to manage and monitor PostgreSQL databases running on the major cloud providers with our **Cloud DBA Service**.

Flexibility & Speed

Provision databases on demand and pay for what you use with **EPAS as a DBaaS** offering managed and operated by our partners, Alibaba Cloud or IBM Cloud or **run EPAS on the major cloud vendors' cloud compute infrastructure**.

Orchestrate & Manage Deployments

Run PostgreSQL workloads on multiple clouds with our **containers, Kubernetes operator, and virtual machines**. Standardize and automate deployments with our unified **CLI and deployment scripts**.

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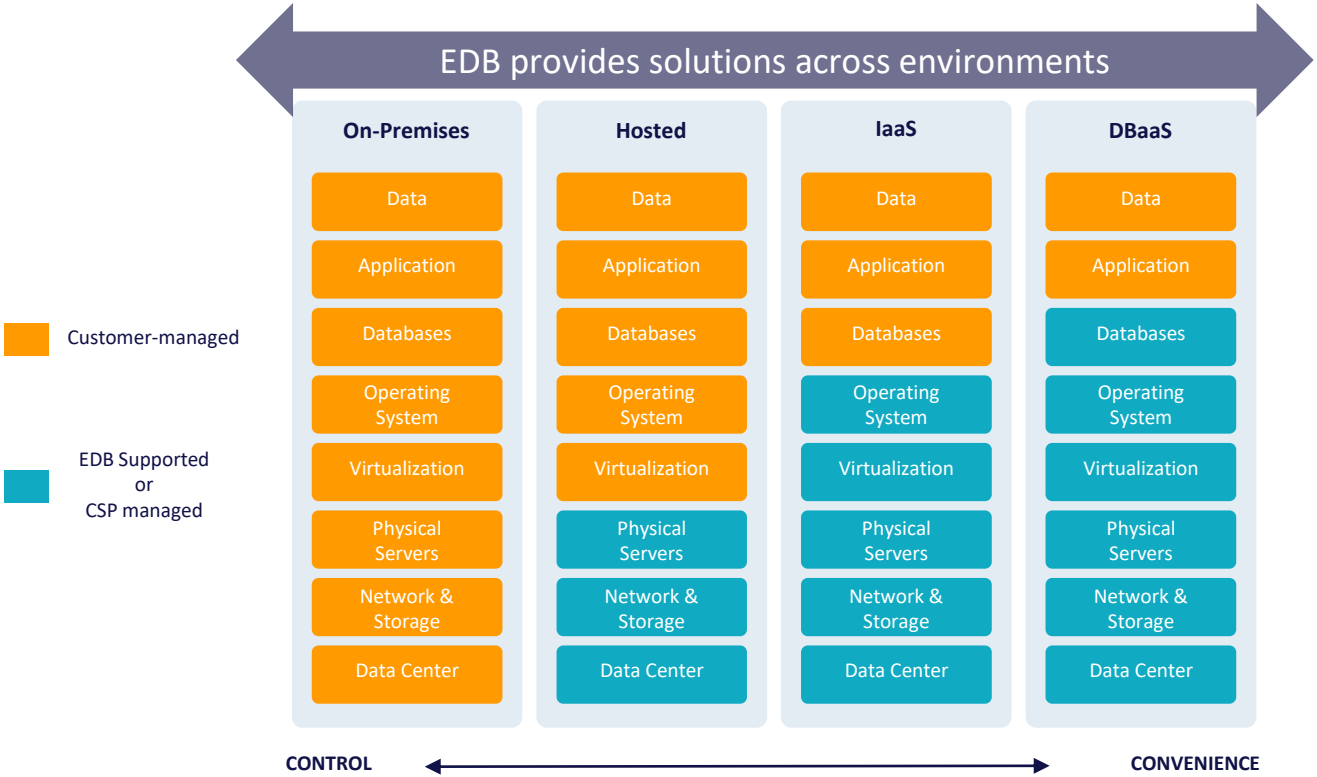
Deploy Anywhere & Don't Sacrifice Portability



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Orchestration & Deployment Capabilities

Run PostgreSQL workloads on multiple clouds with our containers and Kubernetes operator. Standardize and automate deployments with our unified CLI and deployment scripts.

Orchestrate

Manage Postgres at scale.

Deploy Anywhere

Run Postgres on public, private, and hybrid clouds.

Automate

Plug into existing DevOps pipelines for consistent, predictable application releases.

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kubernetes

A container management system used for orchestrating the deployment of software
and utilizing infrastructure
more efficiently.

Transform the potential of container technology into an operational reality

- Automates deploying, scaling and managing containerized applications on shared infrastructure
- Reduces costs by using less resources to manage IT
- Enables ease-of-use and portability
- Empowers scalability and modularity that makes apps more resilient and performant.

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EDB's Red Hat Certified Operator

Versions & Platforms

- Versions
  - EPAS 11
  - PostgreSQL 11
- Platform
  - Openshift 4.4

Key Use Cases

- Use the operator to run and manage a production workload with specific deployment architectures
  - Developer Enablement (unit testing)
  - Enterprise experimentation/PoC's
  - 99.9% or less availability apps
  - Microservices architecture

Capabilities

- Supports scheduled full backup and restore functionality
- High availability using streaming replication

Goal

- Deploying EDB Postgres on Kubernetes is easier than ever before

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Capabilities

- Red Hat certification
- Vertical scaling (compute and memory)
- Horizontal scaling (number of replicas)
- Configuration (postgresql.conf)
- Monitor for basic runtime characteristics
- Database failover management

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Thank you!

Check out enterprisedb.com to learn more and stay tuned for more information about our partnership with Nutanix!