

Beyond the Cloud: EDB's Formula for Maximizing Postgres Value

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### Why? A chat between Mario and the Al



#### Mario:

How many postgres databases are deployed in cloud (any cloud provider) Vs onprem?

#### **ChatGPT:**

As of recent reports, PostgreSQL deployments are increasingly moving to the cloud, but a significant portion still remains on-premises.

Historically, around 59.6% of PostgreSQL deployments were strictly on-premises as of 2019. However, in recent years, on-premises deployments have dropped significantly to about 35.6%.

This shift is due to growing adoption of cloud and hybrid cloud environments, which now account for approximately 24.4% of PostgreSQL deployments, up from only 5.6% a few years ago.

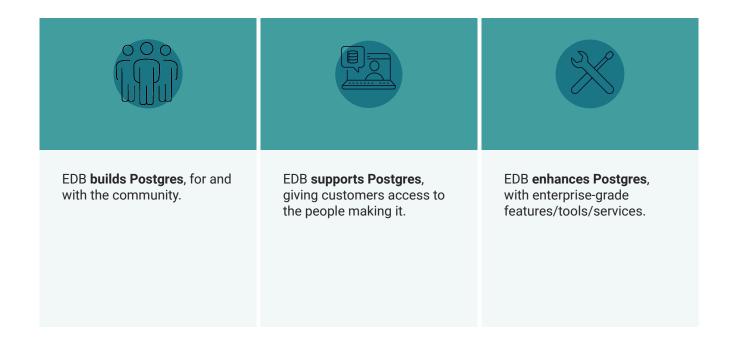
Currently, public cloud deployments for PostgreSQL, including DBaaS, KaaS and IaaS, are used by 34.8% of organizations, showing an increase of 15% over the past year.

This demonstrates a broader trend towards cloud adoption, especially for managed database services that offer benefits like automatic scaling, high availability, and reduced maintenance burden compared to on-premises deployments.

In summary, the distribution of PostgreSQL deployments is now roughly 35.6% on-premises, 24.4% hybrid cloud, and 34.8% fully cloud-based.

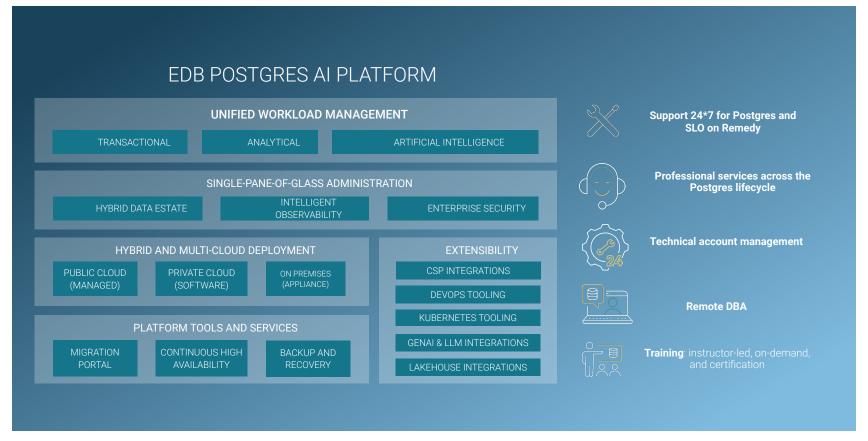


# We are the specialists.





### EDB Portfolio





### Meet Customers Where They Are

Fully Managed Infra, OS, patching, scalability, and availability are completely managed K8s management is up to you, EDB Operator automates Postgres lifecycle and data are in your control, fully public cloud model aaS" PostgreSQL **kubernetes** laaS automation and scalability, Infra, OS, DB, HA, DR, Backup to be handled with on-prem PostgreSQL Virtual machine Do It Yourself Fully on-prem-like model Infrastructure

### Closes the gap

between what enterprises need and what DBaaSes offer today

#### What is it?

It is EDB's PostgreSQL delivered on any CSP with any deployment model.







All EDB offerings are available via classic order form or via cloud providers' marketplaces.

Get the best from your cloud spending, via **EDB Commit Draw Down.** 

Get new subscriptions, renewal, expansion, and services.

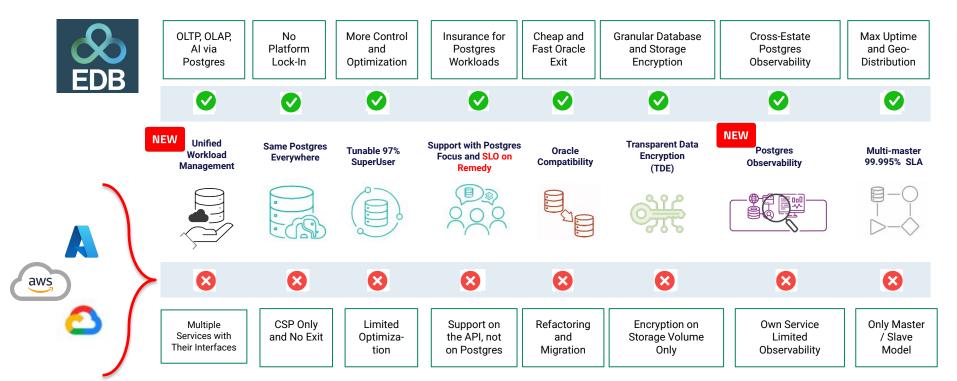
# For each cloud provider, EDB has you covered with a seamless experience.

Same Postgres, same pricing, same management, same licensing, same support, same tooling.





### EDB cloud values





### Closes the gap

between what enterprises need and what DBaaSes offer today

### Where to deploy?

In Your Cloud Account





In EDB's Cloud Account

# The EDB DBaaS provides maximum flexibility in DBaaS deployment options:

Pick your preferred tenancy option by cluster / workload.

Pick your preferred combination of cloud provider, region, and infrastructure sizing.

#### Deploy in your cloud tenant or use EDB's.

Same flexible choice of provider, regions, and availability zones.

Different consideration for infrastructure pricing and internal governance.

#### Where to deploy

Please reference this page for more information on account types.





#### Provider & Region

Please reference this page for more information on Regions.

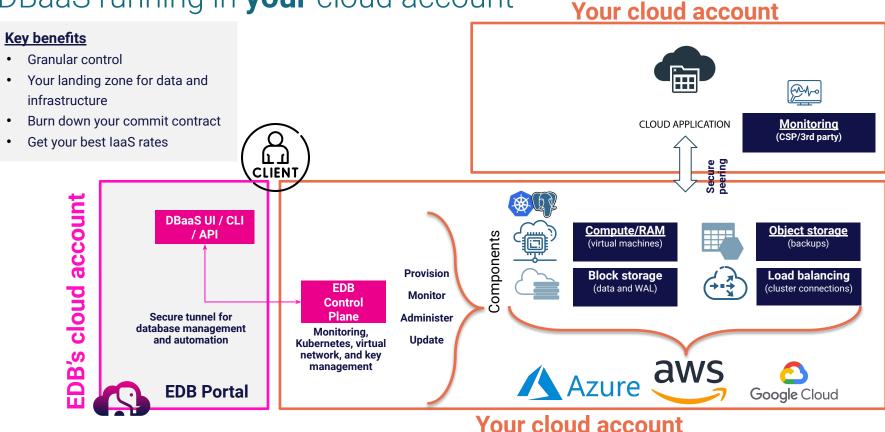






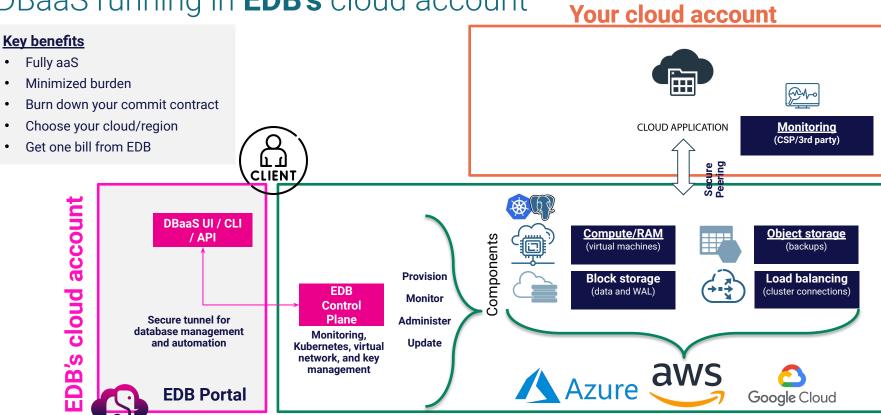


### DBaaS running in **your** cloud account





### DBaaS running in **EDB's** cloud account





### Packaging

- Different plans, with related features
- vCpu/hr metric, per plan

- Committed contracts based on volume
- Support included

Advanced Replication\*

Transparent Data Encryption

PostgreSQL

PostgreSQL

Open source PostgreSQL Fully managed service 24/7 technical support Run on Azure, AWS, GCP Open source tools Automatic backups HA and DR options

**PostgreSQL** 

# EDB Postgres Extended Server

#### PostgreSQL

- + Transparent data encryption
- + EDB tools
- + EDB Postgres extensions



### EDB Postgres Advanced Server

- + Oracle compatibility
- Admin, security, tuning, & audit enhancements
- EDB tools
- EDB Postgres extensions
- Transparent data encryption



# EDB Postgres Distributed (Extended or Advanced Server)

- + Distributed high availability (99.995%)
- Transparent data encryption
- Oracle compatibility (Advanced)
- Admin, security, tuning, & audit enhancements



### Service Level Driven

#### We supports different cluster types and replications

- Which Service Level does your workload require?
- Which RPO/RTO?

#### You have flexibility to mix the following:

- · Type of cluster and replication
- Single / Multi Az-Region

to match your requirements.





### Types of clusters and replicas

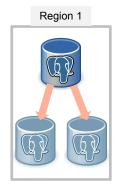
#### Single node

- Single zone
- Generally for non-production environments that can tolerate zonal outages



#### Master + 2 replicas

- 2 secondary replicas within a region across 3 zones
- Replication is sync to one standby and async to the other
- Can modify sync behavior on a per-transaction, per-session, per-user, or per-database level

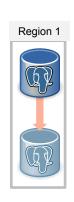


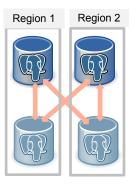
#### Master + 1 replica

- 1 secondary replica within a region across two zones
- Automatically disables sync replication during maintenance operations to ensure write availability
- Can change from sync to async on per-session/per-transaction basis



- No-downtime major version upgrades
- Self-service superuser access on clusters
- Fast recovery and higher performance workloads



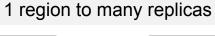


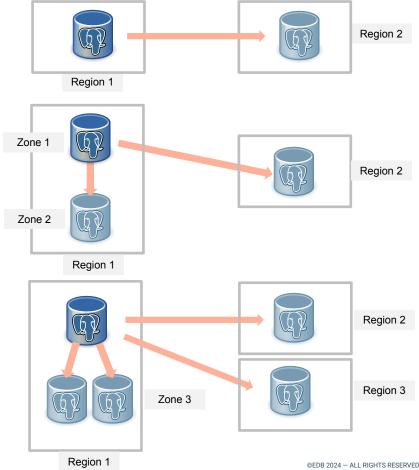


### + 'Faraway Replicas'

Allows across region async replicas

- Read-only workloads on replicas in another region
- Allows independent database backups in another region
- Can have a mix of faraway replicas in a mix of regions
- Can be different sized compared to active nodes
- Different sized compute/RAM
- · Different storage subsystem







### Who does what with EDB DBaaS?

#### EDB ensures smooth running operations:

- 24x7 monitoring
- Infrastructure availability and performance
- High availability and backups
- Security and compliance
- OS, database patching including major version upgrades
- Network configuration and security

### Customer optimizes the database for their enterprise needs:

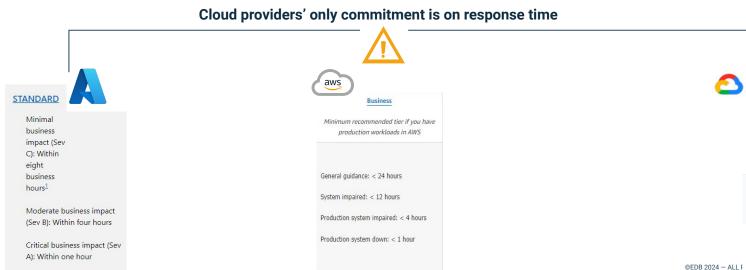
- Selecting appropriate compute resources (VM and disk) and replicas to fit workload
- Data modeling
- Query performance
- Securely managing database credentials
- Postgres Parameter tuning



### Support

- Support on the Postgres engine
- Included in the DBaaS price
- SLO for response and remedy

	Availability	24 hours x 7 days
Initial Response Service Level Objective	Severity-1	30 minutes
	Severity-2	30 minutes
	Severity-3	60 minutes
	Severity-4	1 business day
Remedy Service Level Objective	Severity-1	24 hours
	Severity-2	48 hours
	Severity-3	15 business days
	Severity-4	45 business days





P4 cases: 8 hours

Enhanced Support

Designed for workloads in production, with fast

response times. Robust support with additional

services to optimize your

experience.

Sign up

\$500/month +3%

Estimate cost

P1 cases: 1 hour

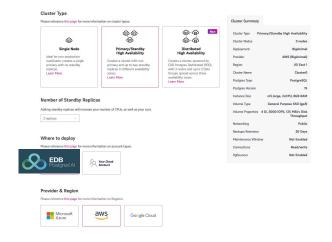
P2 cases: 4 hours

P3 cases: 8 hours

of monthly charges

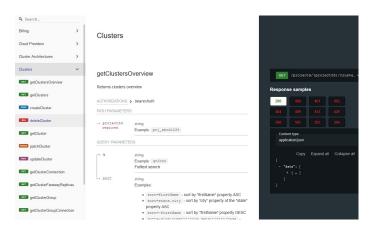
### How to interact and integrate with our DBaaS?

WebUI

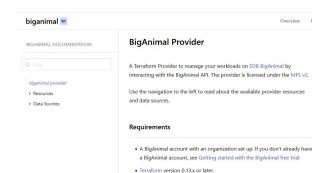








Terraform





 A BigAnimal API token (https://www.enterprisedb.com/docs/biganimal /latest/reference/api/#using-the-get-token-script)





# Thank you

