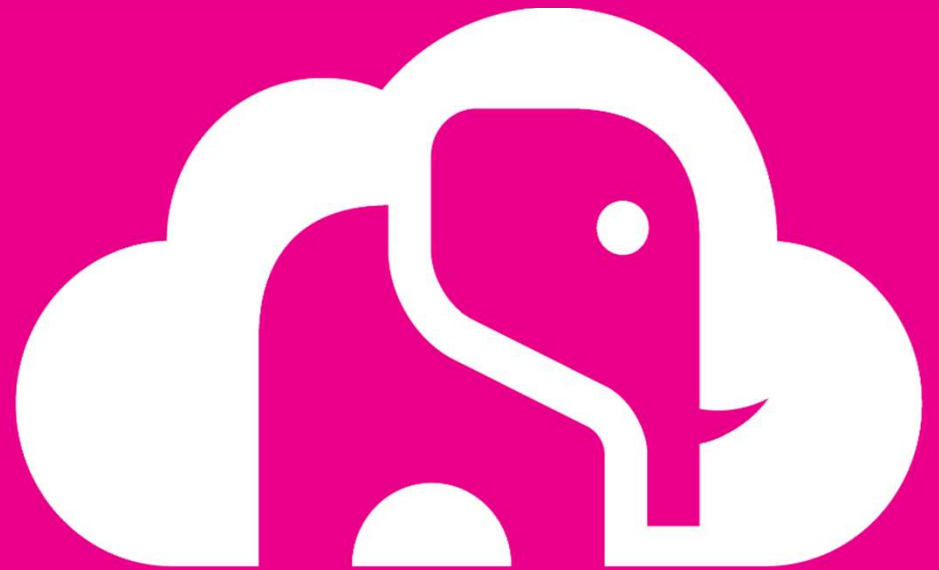


BigAnimal Postgres LAB

Vinnie Grack & Mansur Shaikh

26 April, 2022



Agenda

- BigAnimal overview, Vinnie Grack, Senior Cloud Architect, EDB
- BigAnimal demo, Mansur Shaikh, Sales Engineer, EDB
- Launch of BigAnimal contest
- Live Q&A with EDB experts



Control over what matters for your workload

BigAnimal is run like a platform-as-a-service, not simply infrastructure + automation

EDB ensures smooth running operations:

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

Customer optimizes the database for their enterprise needs:

- Selecting appropriate compute resources (disk, RAM, and CPU) for a given workload
 - Data modeling
 - Query performance
 - Securely managing database credentials
-



Unleash the power of Postgres in the cloud

Your Postgres database is too important to leave to generalists



Postgres Expertise

EDB's expertise goes above the infrastructure; we help steer the database roadmap and patch its bugs



Oracle Compatibility

Leave Oracle and further your cloud journey with a fully managed Postgres service



Continuous Availability

High availability of your PostgreSQL clusters so you're always on, always available



BigAnimal is priced for transparency



Buy BigAnimal on a simple per-core pricing model; pay only for what you need



No infrastructure markup - pay the cloud vendor for what you use, at your discounts



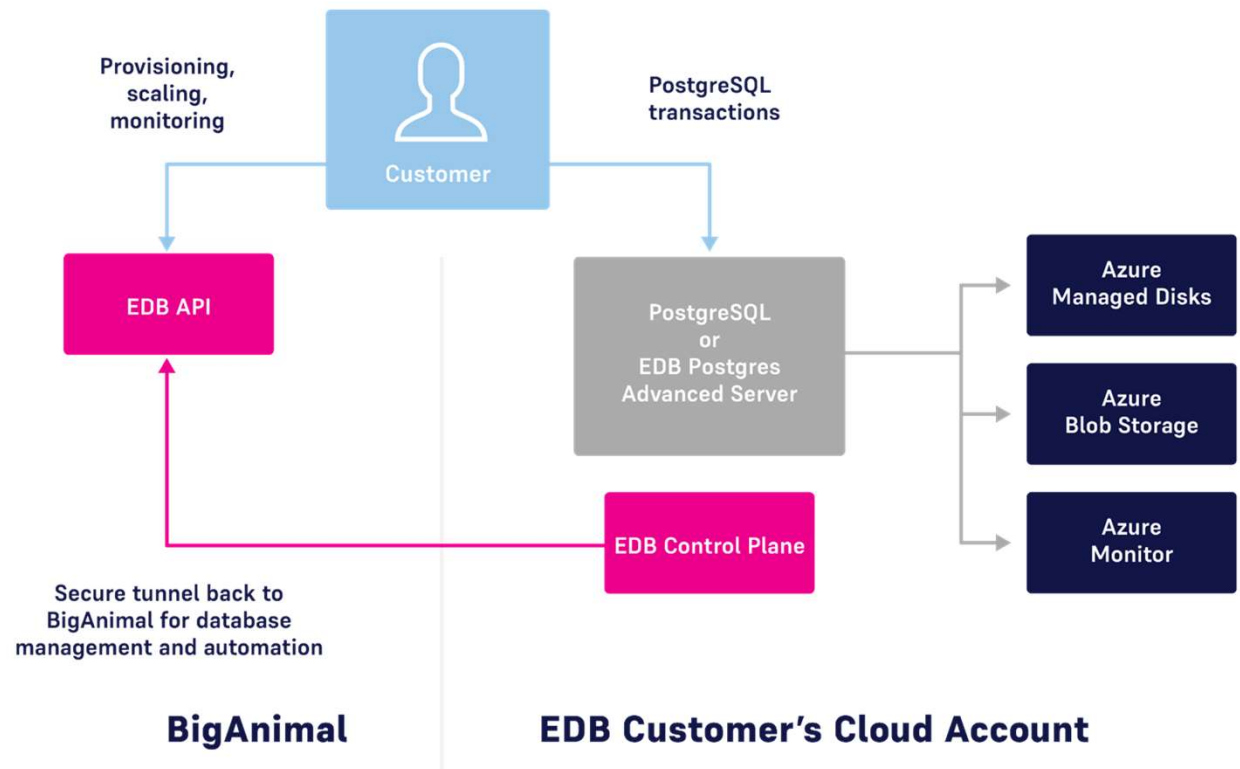
Apply BigAnimal spend to existing cloud spending commitments



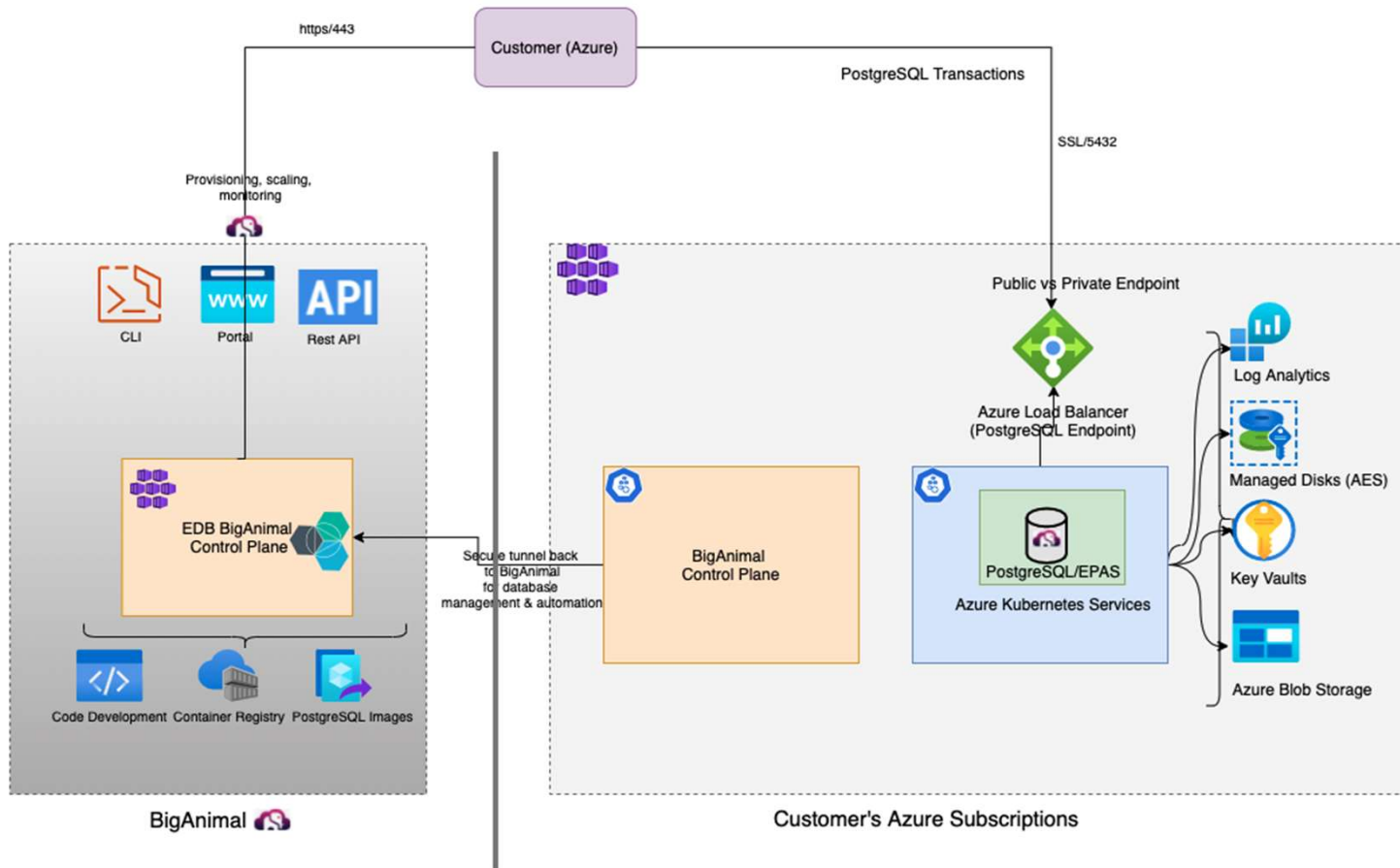
BigAnimal runs in your Azure Subscription

Key Benefits

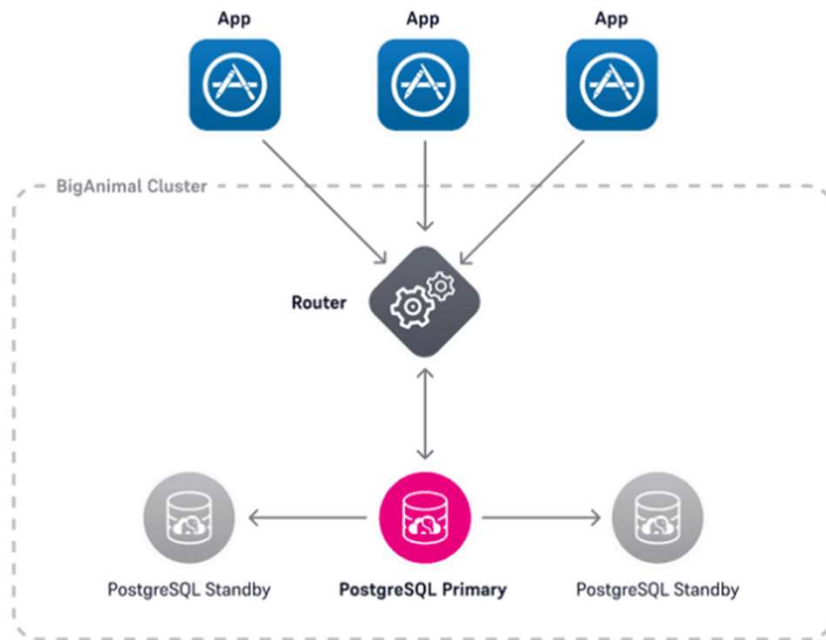
- Control and transparency over who can access what
- Burn down your committed spend for cloud provider infrastructure



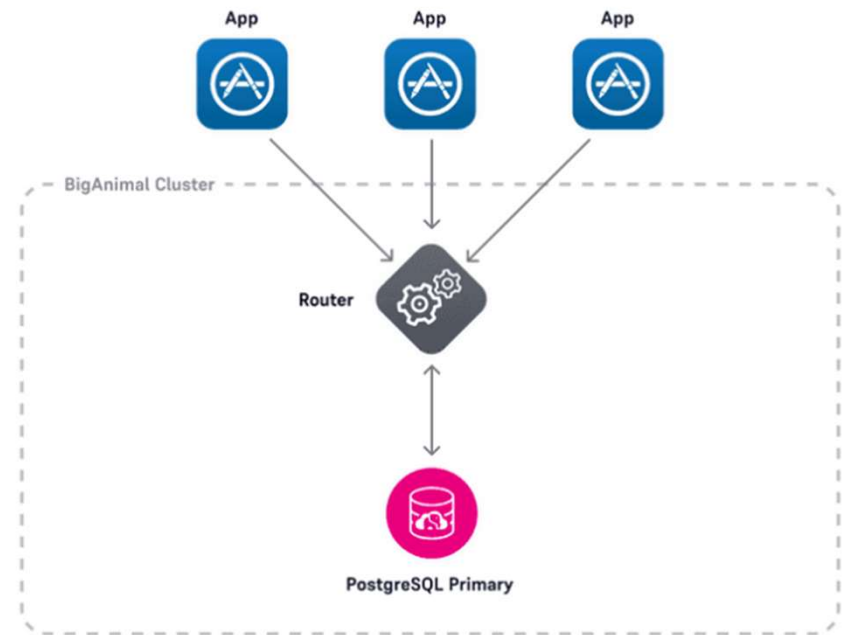
BigAnimal Azure Deployment Model



BigAnimal supported architectures



HA



Non-HA

BigAnimal Packaging



1 Subscription for BigAnimal

Database Type

PostgreSQL

Hourly Price: \$0.1655 / vCPU

Yearly Price: \$1,450 / vCPU

Database Type

EDB Postgres Advanced Server

Hourly Price: \$0.2397 / vCPU

Yearly Price: \$2,100 / vCPU

All usage is metered hourly.

If a customer exceeds their subscribed entitlement, they are billed overage based on the hourly rate.



Cost Components



BigAnimal *Costs for EDB*

EDB Costs

- # of PostgreSQL / EDB Postgres Advanced Server vCPU

Variable cost: grows as customer scales workload

Fixed cost per region (or until max capacity is hit in a region)



Microsoft Azure *Costs for Microsoft*

Management Costs

- Azure Kubernetes Service: VM Instances
- Log Analytics
- Load balancer
- Block Blob Storage
- Key Vault

Database Costs

- Azure Kubernetes Service: VM Instances
- Managed Disks: Premium SSDs
- Block Blob Storage (minimal variable cost)
- Key Vault (minimal variable cost)



BigAnimal on AWS - Ultimate freedom in the cloud



- The best Postgres solution from the PostgreSQL fanatics at EDB
- Combined with **the cloud platform of your choice** - Azure and now AWS
- In a fully managed PostgreSQL cloud service

BIGANIMAL

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Important Dates

✓ **April 4:** ✓

AWS available as a supported CSP on Free Trial

✦ **May 2:** ✦

AWS Available for paid customers

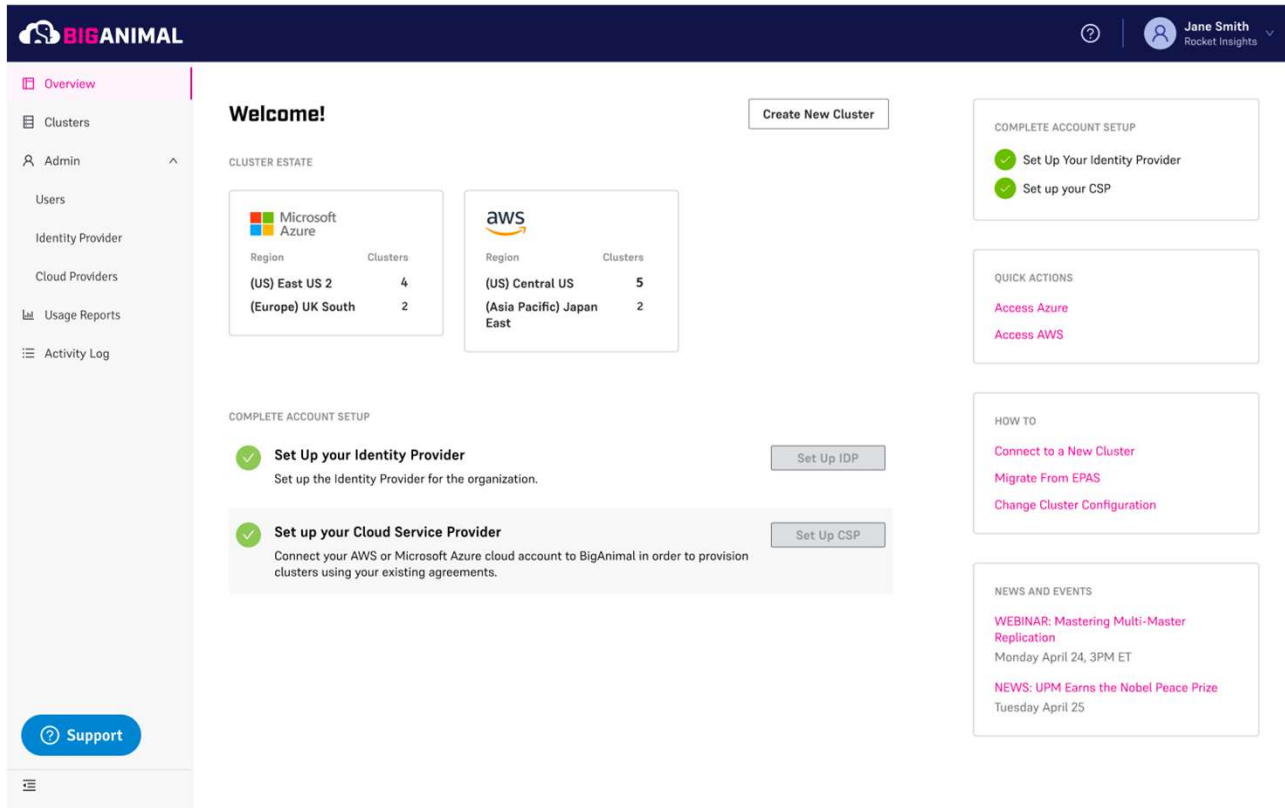
Purchase BigAnimal directly from EDB Sales (AWS & Azure)

May 15:

Single-region high availability (BDR) on Azure & AWS - Beta Launch



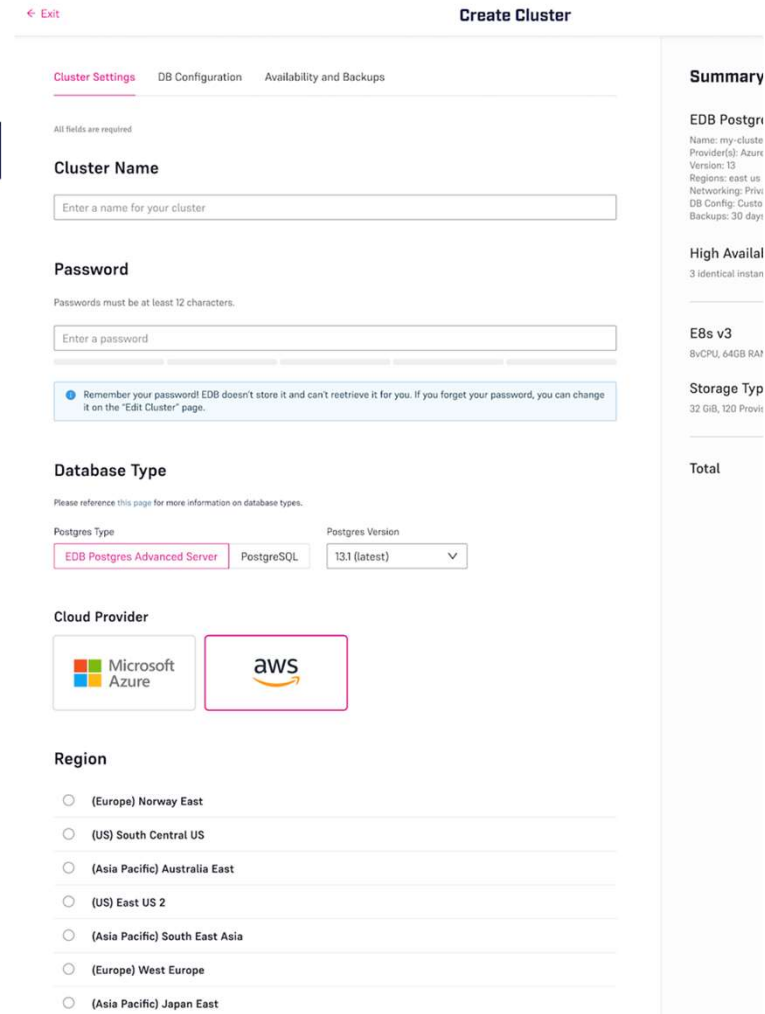
BigAnimal on AWS user interface



The dashboard features a dark blue header with the BigAnimal logo, a user profile for Jane Smith, and a navigation sidebar on the left. The main content area is titled 'Welcome!' and includes a 'Create New Cluster' button. It displays 'CLUSTER ESTATE' for Microsoft Azure and AWS, with tables showing region and cluster counts. Below this are 'COMPLETE ACCOUNT SETUP' steps for Identity Provider and Cloud Service Provider, each with a 'Set Up' button. A 'QUICK ACTIONS' section offers links to 'Access Azure' and 'Access AWS'. A 'HOW TO' section provides links for 'Connect to a New Cluster', 'Migrate From EPAS', and 'Change Cluster Configuration'. A 'NEWS AND EVENTS' section lists recent updates.

Region	Clusters
(US) East US 2	4
(Europe) UK South	2

Region	Clusters
(US) Central US	5
(Asia Pacific) Japan East	2



The 'Create Cluster' wizard is shown in a multi-step format. The current step is 'Cluster Settings', with tabs for 'DB Configuration' and 'Availability and Backups'. A 'Cluster Name' field is present. The 'Password' section includes a note that passwords must be at least 12 characters and a 'Remember your password!' checkbox. The 'Database Type' section shows 'EDB Postgres Advanced Server' selected. The 'Cloud Provider' section has 'aws' selected. The 'Region' section lists several options, with '(Europe) Norway East' selected.

Cluster Name
Enter a name for your cluster

Password
Passwords must be at least 12 characters.
Enter a password

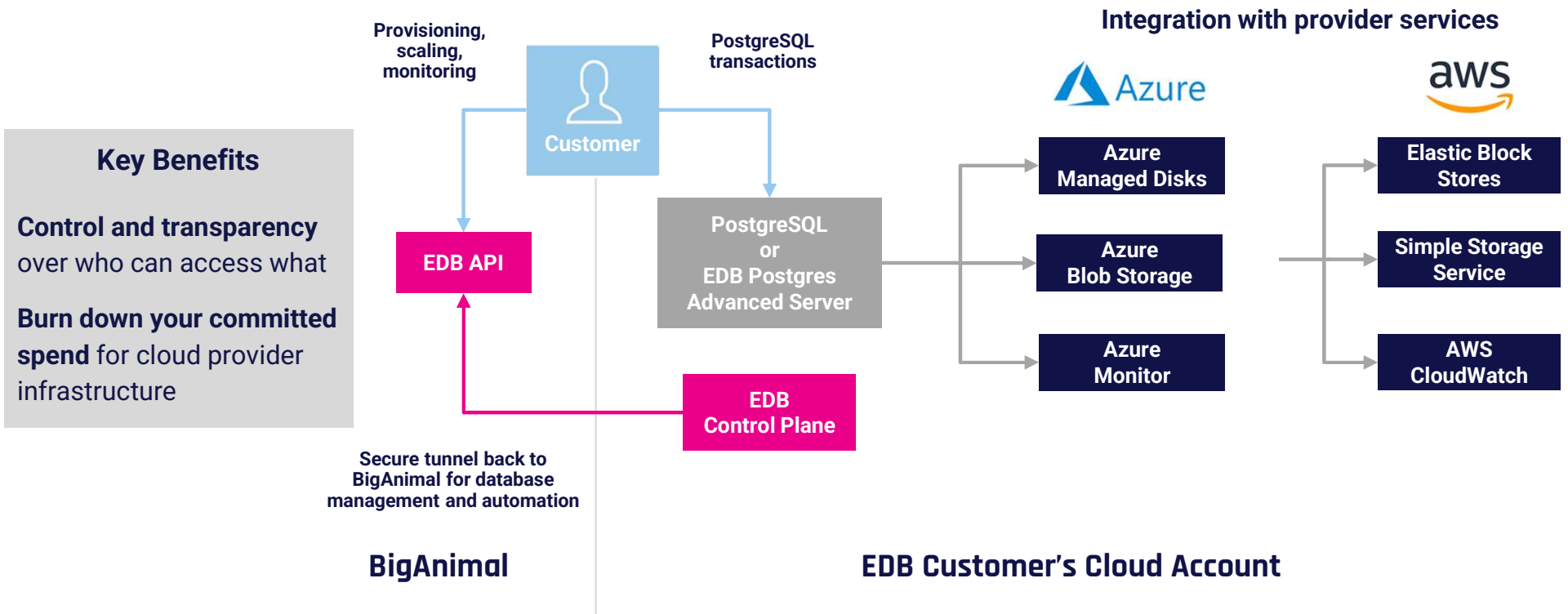
Database Type
Please reference this page for more information on database types.
Postgres Type: EDB Postgres Advanced Server | PostgreSQL | Postgres Version: 13.1 (latest)

Cloud Provider
Microsoft Azure | **aws**

Region
 (Europe) Norway East
 (US) South Central US
 (Asia Pacific) Australia East
 (US) East US 2
 (Asia Pacific) South East Asia
 (Europe) West Europe
 (Asia Pacific) Japan East



BigAnimal runs in your cloud account



3 Ways customers can use BigAnimal

14-Day free trial

- Free
- Runs in EDB's cloud account
 - AWS or Azure
- Restricted features

Access directly from EDB

30-Day Eval

- Pricing
 - EDB cost: free
 - Infrastructure cost: customer pays CSP
- Customer brings their own account (BYOA)
 - AWS or Azure

Access through Azure Marketplace or **[NEW] directly from EDB Sales**

Paid Customers

- Pricing
 - EDB cost: pay per core
 - Infrastructure cost: customer pays CSP
- Customer brings their own account (BYOA)
 - AWS or Azure

Buy through Azure Marketplace or **[NEW] directly from EDB Sales**

Curious? Request a free trial today!

<https://resources.biganimal.com/cloud-postgresql-trial>

BigAnimal Contest-1

- Complete the demo task along with us & submit before EOD today
 - Display Cluster Summary of your Postgres Cluster
 - Create a database db1 in your BigAnimal cluster using pgadmin4
 - Create table t1 with eno and ename columns
 - Insert two rows in the table and display the content using pgadmin4



- Submit your projects at- postgres.lab@enterprisedb.com and cc- mansur.shaikh@enterprisedb.com
- Please use your work email ids only for sharing your projects. Entries from non-work email ids will not be considered.

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BigAnimal Contest-2

- Complete the below task and submit before Friday, April 29
 - Migrate oracle HR schema into BigAnimal using EDB Migration Portal and EDB Migration ToolKit
 - Delete existing cluster and create BigAnimal cluster Using the BigAnimal CLI
 - Raise a EDB support ticket using the BigAnimal portal with description "BigAnimal-trial <your name>" and attach your CLI cluster status
- Submit your projects at- postgres.lab@enterprisedb.com and cc- mansur.shaikh@enterprisedb.com
- Please use your work email ids only for sharing your projects. Entries from non-work email ids will not be considered



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