



# Unleash the Power of Postgres High Availability with EDB Postgres Distributed for Kubernetes

**EDB Postgres Distributed (PGD)** brings extreme high availability to PostgreSQL deployments on Kubernetes.

Created by EDB and available on any cloud, on-premises, in a hybrid architecture, or on EDB's fully managed BigAnimal Postgres cloud database, PGD supports active/active architectures that meet global operations demands, improve business continuity and protect against unplanned outages that cause downtime. Offering up to 99.999 availability.

PGD's design supports live, in-place major version upgrades, quick failover, and group commit.

# Why Choose EDB Postgres Distributed on Kubernetes?

The EDB Postgres Distributed for Kubernetes operator is designed to manage high availability PGD workloads on Kubernetes, with traffic routed by PGD Proxy. Currently available in preview, the EDB Postgres Distributed operator enables PGD Architectures to be deployed across different Kubernetes clusters.

[Visit EDB Postgres Distributed →](#)

# 4 Pillars of Excellence



## Seamless Kubernetes API Integration

Utilize the Kubernetes API to manage PostgreSQL databases with finesse in cloud-native setups, through the operator pattern.



## Declarative Configuration

Deploy, scale and maintain your databases with automation that streamlines your operational workflows.



## Advanced Observability

Obtain critical insights with integrated monitoring and logging, improving diagnostics and strategic decisions.



## Secure by Default

Secure your sensitive data with robust security protocols and industry-leading features at all layers (source code, containers, Kubernetes clusters and cloud).

# Key Features

## ✓ Automated Deployment and Scaling

Kubernetes-native system to manage PostgreSQL instances, easing administrative burdens.

## ✓ Geo-distributed, active-active architectures

Improve application performance, leverage robust conflict handling, and meet your data sovereignty, localization, and residency requirements.

## ✓ Ease disaster recovery

Leverage multi-region, always-on PGD architectures to ensure always-operational DR.

## ✓ Custom Resource Definitions (CRDs) for PostgreSQL

Tailor and expand database features within the Kubernetes environment.

## ✓ Smooth Integration with CI/CD Pipelines

Database management is seamlessly integrated with DevOps and GitOps processes, enhancing overall agility.

## ✓ Declarative Management

Specify database requirements and let EDB Postgres Distributed orchestrate the details.

## ✓ Advanced durability operations

Adjust PostgreSQL database resources effortlessly to accommodate fluctuating loads.

## ✓ Monitoring and Logging Integration

Maintain visibility into database performance and health metrics.

## ✓ Secure by Design

Leverage the inherent security practices of Kubernetes and PGD to protect your data.

## ✓ Community and EDB Support

Access the collective knowledge of the open source PostgreSQL community, along with EDB's extensive Postgres subject matter expertise and break-fix support.

# Benefit from the EDB Postgres Distributed/ Kubernetes Community

At EDB, we're not just supporting open source; we're driving its evolution. Our team of 300+ Postgres specialists and our active contributions to the PostgreSQL community position us as the go-to leader for all things Postgres.

As a CNCF Kubernetes Certified Services Provider and a Silver Member of CNCF & Linux Foundation, [our credentials](#) speak for themselves. We're committed to elevating the [power of the cloud](#) for modern applications, reflected in our founding membership in CloudNativePG and our certified operator for Red Hat OpenShift.



## Get \$300 Cloud Credits with EDB Postgres Distributed!

Experience unmatched high availability for your Postgres workloads on Kubernetes with EDB BigAnimal. Dive into a seamless, fully managed Postgres solution and kickstart your database journey within minutes.

[Start Your Journey Here →](#)

# About EnterpriseDB

EDB provides enterprise-class software and services that enable organizations to harness the full power of Postgres, the world's leading open source database.

With offices worldwide, EDB serves more than 1,500 customers, including leading financial services, government, media and communications and information technology organizations.

As one of the leading contributors to the vibrant and fast-growing Postgres community, EDB is committed to driving technology innovation. With deep database expertise, EDB ensures high availability, reliability, security, 24x7 global support and advanced professional services, both on-premises and in the cloud. This empowers enterprises to control risk, manage costs and scale efficiently.

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