



# Azure Cosmos DB

Fast, distributed database for app innovation

**Fully managed and serverless. Purpose-built for the needs of app developers and intelligent applications.**



## AI-powered web and mobile experiences

- Run vector search on PostgreSQL and MongoDB data
- Integrate native Azure AI models
- Build chatbots with Azure OpenAI Service



## Simplified app development

- Support for PostgreSQL, MongoDB, and Apache Cassandra databases
- SDKs for Java, .NET, Node.js



## Performance at any scale

- SLAs for <10 ms latency and 99.999% availability
- Global data replication
- Enterprise-grade security



## Fully managed and cost-effective

- Serverless or autoscale options for NoSQL data
- vCore and node options for PostgreSQL data

**Developers use Azure Cosmos DB to overcome modern data challenges:**

**1**

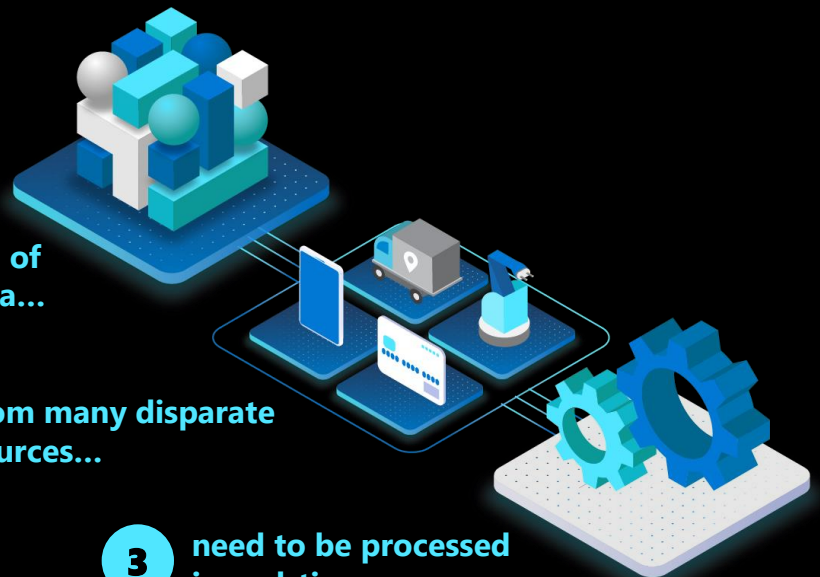
Massive volumes of unstructured data...

**2**

from many disparate sources...

**3**

need to be processed in real-time.



## Primary use cases



### AI-powered apps

Easily integrate with OpenAI and Azure Cognitive Services to build intelligent applications, such as chatbots or cognitive search.



### Internet of Things

Ingest, process, and analyze streaming data at scale from any number of devices, anywhere in the world.

Mercedes-Benz



### Personalized recommendations

Deliver scalable, high-performance retail use cases, including real-time product catalog and personalization.

ASOS



### Order & payment processing

Quickly scale to handle high volumes of transactions at any time - accurately and reliably.

EASTWEST BANK



### Multi-tenant SaaS

Scale out to millions of customers/tenants with high availability and elasticity for changing loads.

ZERO FRICTION

## Easily build new apps with support for familiar database engines

Get everything you love about popular databases like **PostgreSQL**, **MongoDB**, and **Apache Cassandra**, with the performance, scalability, and reliability of Azure Cosmos DB. Build with your favorite tools and features while gaining enterprise-grade security and data distribution across your choice of global Azure regions.



## Get started

[Try Azure Cosmos DB for free](#)

