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# **Databases on Azure**

Build Al-ready apps with intelligent cloud databases.

management. Intelligence built-in helps automate management tasks like high availability, scaling, and query performance tuning so your applications are always on and ready. Trust Azure for built-in data security controls, broad regional coverage, and more compliance offerings to help strengthen your security posture and support your business growth.

Develop AI-ready, trusted applications with a range of relational and non-relational databases and keep your focus on application development and innovation, not database

## Purpose-built Azure databases

Build modern applications with cloud-scale databases

<u>Azure</u>	Fast, distributed NoSQL and relational database at any scale
<u>Cosmos</u> <u>DB</u>	Develop high-performance applications of any size or scale with a

rformance applications of any size or scale with a fully managed and serverless distributed database supporting open-source PostgreSQL, MongoDB, and Apache Cassandra as well as Java, Node.JS, Python, and .NET.

• Delivering real-time personalization

**Best for** 

- High-quality, global app experiences at scale
- Handling peak sales periods with ease
- Leveraging real-time, IoT telemetry streaming data
- **Best for**

<u>Azure</u>

**Database** 

**SQL** 

limitless storage capacity and responsive serverless compute, backed by Al-based advanced security.

Fully managed, intelligent, and scalable PostgreSQL database

Flexible, fast, and elastic SQL database for your new apps

Build apps that scale with a fully managed and intelligent SQL database built for the cloud. Grow your applications with near-

## transactional applications • Finance, sales order

record

insights • Simplifying complex data

management, systems of

data to uncover app

• Processing streaming

• High-performance

- landscapes

**Azure Database** 

for PostgreSQL

Best of open source

**Azure Database** 

for MySQL

## Scalable, open-source MySQL database

secure enterprise-ready apps.

performance, and elastic scaling for open-source developers building mobile and web apps.

Develop apps with a fully managed community MySQL database service delivering high availability, mission-critical

Innovate faster with a fully managed PostgreSQL database service for open-source developers building scalable and

## development • Rich and personalized digital

apps

**Best for** 

• Finance management apps • Scalable web and mobile

marketing experiences

• Secure and scalable e-

commerce solutions

• Secure and scalable e-

commerce solutions

• Open-source, enterprise app

- **Best for** 
  - Scalable web and mobile apps • Rich and personalized digital
  - customer experiences • High-performance and
  - secure finance management apps • Low-latency gaming

**Azure Database** 

for MariaDB

**Azure Cache for** 

**Redis** 

## Build with a fully managed community MariaDB database service delivering high availability and elastic scaling for opensource developers.

Fully managed, community MariaDB

Distributed, in-memory, scalable caching

applications, backed by the open-source Redis server.

Accelerate your application's data layer with an in-memory data store that offers increased speed and scale for web

## **Best for**

experiences

• Secure and scalable e-

commerce solutions

• High-performance and

• Scalable web and mobile

• Rich and personalized digital customer experiences

**Best for** 

apps

secure finance management apps

• Application caching

Common database and application migration patterns

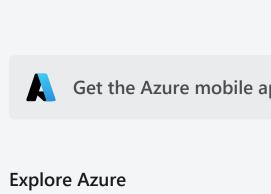
Migrate from	Azure destination	Best for
SQL Server	SQL Server on Azure Virtual Machines	Migrate your SQL Server workloads with ease and maintain them with 100 percent compatibility and operating system-level access. Save on total cost of ownership and automate management with SQL Server laaS Agent extension.
	Azure SQL Managed Instance	Modernize .NET applications with Azure SQL Managed Instance, a fully managed and intelligent service combining the broadest SQL Server engine compatibility with an always-up-to-date service.
Oracle Database	Oracle on Azure	Migrate your Oracle Database workloads with ease and combine the best of Oracle with the best of Azure. Maintain 100 percent compatibility and operating system-level access.
	Azure Database for PostgreSQL	Migrate Oracle Database to Azure Database for PostgreSQL for a fully managed, open-source database designed for scalable and secure enterprise-ready apps.
	<u>Azure SQL Database</u>	Migrate Oracle Database to Azure SQL Database, a fully managed and intelligent service for relational performance at scale.
MongoDB	MongoDB Atlas on Azure	Modernize with a fully managed database-as-a-service that runs MongoDB Enterprise and offers full support for all MongoDB features.
	Azure Cosmos DB for MongoDB	Add scalability and high performance to applications of any size and scale with a managed and serverless distributed database that supports MongoDB data.
PostgreSQL	Azure Database for PostgreSQL	Migrate to a fully managed open-source database with support for the latest PostgreSQL versions and AI-powered performance optimization.
MySQL	Azure Database for MySQL	Migrate your on-premises MySQL database to a fully managed database that offers high availability, elastic scale, and mission-critical performance.
MariaDB	Azure Database for MariaDB	Combine MariaDB Community edition with the benefits of a fully managed service provider that offers high availability and elastic scale.
Apache Cassandra	Azure Managed  Instance for Apache  Cassandra	Modernize Cassandra data clusters with a managed instance in the cloud and lower operational overhead for critical Apache Cassandra workloads by hosting on a scalable and fully managed platform while retaining control over configuration options.
	Azure Cosmos DB for Apache Cassandra	Add scalability and high performance to applications of any size and scale with a managed and serverless distributed database that supports Apache Cassandra data.

Customers are doing great things with Azure managed databases



"I think the number-one thing in having a cloud partner in Azure is the ability for us to have a playground where we can go in and quickly experiment [with] new things, test out new features, and use the functionality that comes out of the box natively from a cloud perspective, be it the Azure SQL Database, or Azure Functions, or Azure

Templates." - Sahil Gupta: Senior Vice President and Head of Application Development Read the story >



What is Azure?

Global infrastructure

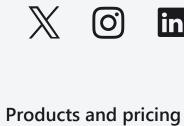
Datacenter regions

Customer enablement

Trust your cloud

Customer stories

Get started





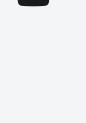
Free Azure services

Cloud economics

Optimize your costs



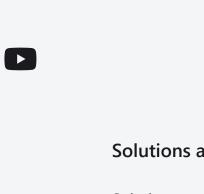


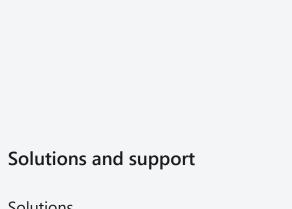


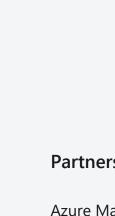


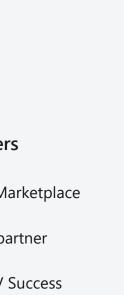


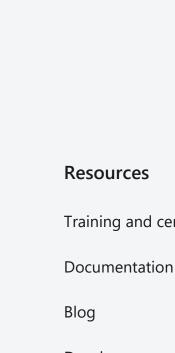


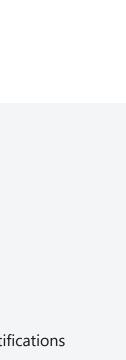


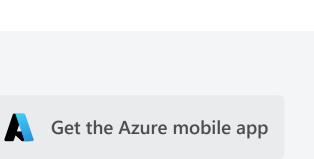




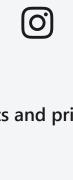


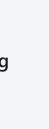


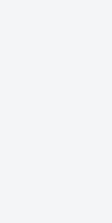




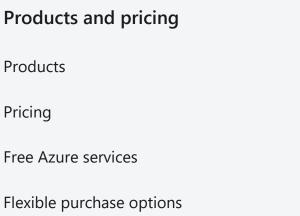


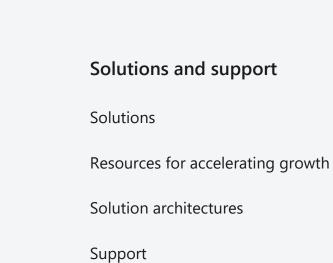




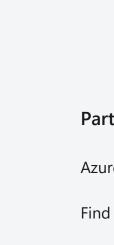


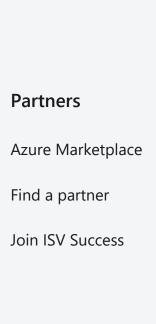






Azure demo and live Q&A





Developer resources Students **Events and webinars** Analyst reports, white papers, and e-

books

Videos

Training and certifications

**Cloud computing** What is cloud computing? What is cloud migration?

What is a hybrid cloud? What is AI? What is laaS? What is SaaS? What is PaaS? What is DevOps?

Change language English (US)

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