THE CLOUD DATABASE REPORT TOP 20

Following are the Cloud Database Report's Top 20 vendors as of January 2022. They were selected based on 5 criteria: Cloud-Native Architecture, Enterprise Capabilities, Platform Adaptability, Innovation, and Demonstrated Business Value.

Vendor	Database Offerings	Differentiators	My Take
AWS	Aurora, DocumentDB, DynamoDB, Redshift, RDS, others	Wide choice of purpose-built databases; integration with AWS services	Extensive choices, easy integration with cloud infrastructure; but potential competitor to its
Cockroach Labs	CockroachDB, CockroachCloud	Distributed database with PostgreSQL compatibility	Fast-emerging enterprise player with $5 billion market valuation (Dec. 2021)
Couchbase	Couchbase Cloud	NoSQL document database with cloud, server, mobile versions	Keeping pressure on MongoDB in NoSQL document databases
Databricks	Databricks Lakehouse Platform	Software environment based on Apache Spark for data engineering and analytics	Powerhouse in data engineering; investors include Alphabet, Amazon, Microsoft, Salesforce
DataStax	DataStax Enterprise, Astra Cloud Service	Apache Cassandra NoSQL database as a service	Riding popularity of Apache Cassandra among developers
Google Cloud	Cloud Spanner, BigTable, BigQuery, Firestore, Firebase, others	Google-developed, cloud-native databases plus popular SQL and NoSQL databases	Continues to solidify its transformation into an enterprise-class cloud provider with industry expertise
IBM	Cloudant, DB2, Informix, Netezza, others	More than a dozen IBM and non-IBM databases offered on	Not much innovation; of interest mainly to existing customers

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InterSystems	InterSystems IRIS	Cloud database supports SQL and NoSQL, transactions, analytics	Established enterprise-class database provider with expertise in healthcare
MariaDB	MariaDB, SkySQL	Open source relational SQL database from the developers of MySQL; SkySQL cloud service	MySQL alternative with an impressive lineage
Microsoft	Azure SQL, Cosmos DB, others	SQL Server in deployment options; Cosmos DB managed NoSQL database; Azure Synapse	#1 ranked cloud provider in the Cloud Wars Top 10; SQL Server popular with developers; many
MongoDB	MongoDB Atlas, Realm	NoSQL document DB	Popular with developers for new apps, but niche
Neo4j	Neo4j, Aura Cloud	Open source NoSQL graph DB; Aura Cloud available o AWS, GC, Azure	A leader in the fast-growing market for graph databases; $325M funding in 2021
Oracle	Oracle Autonomous Database, MySQL, Oracle NoSQL, others	Oracle DB supports converged workloads; Autonomous Data Warehouse for	Still the leader in enterprise-class database capabilities
PlanetScale	PlanetScale	MySQL database + open source Vitess for scalability; available in 3 deployment options	Newcomer to the Cloud Database Top 20; grew from work at Google/YouTube
Redis	Redis Enterprise Cloud	NoSQL in-memory data store supports abstract data, such as strings, lists, maps	Commercial version of open source database with subsecond responsiveness
SAP	SAP HANA, SAP IQ, Adaptive Server, SQL Anywhere	SAP HANA & HANA Cloud are in-memory relational databases; others support OLTP, analytics, mobile	Comprehensive family of data management software for SAP environments

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SingleStore	SingleStore	Multi-model SQL database supports transactions, analytics, various data types	Emphasis on "data intensity" and converged workloads in one system is compelling
Snowflake	Snowflake Data Cloud	SQL-compatible data warehouse and data lakes	Fresh approach to analytics and data sharing puts data into hands of more users
Teradata	Teradata Vantage	SQL database with scalable MPP architecture for analytics workloads	Proven, enterprise-class data warehouse used across industries
Yugabyte	YugabyteDB	Open source distributed SQL database, available on-prem, self-hosted, or as managed service	Cloud-native, Postgres-compatible database provides modernization path for relational databases

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