SingleStoreDB Offerings

Compare deployment options and editions

Overview of SingleStoreDB

SingleStoreDB is a real-time distributed SQL database, designed for **modern, real-time, data-intensive applications**. It delivers extreme performance for both transactional applications (OLTP) and analytical workloads (OLAP).

With support for **streaming data ingestion** (Pipelines), a unique table type that supports **both transactions and analytics** (Universal Storage), **separation of compute and storage** (Unlimited Storage), limitless **point-in time recovery** (PITR) and a **distributed** (shared-nothing), **MySQL-compatible** architecture, SingleStoreDB provides fast-growing companies the ability to build and scale modern, real-time applications and analytics.

All this comes with **compelling price-performance**. SingleStore customers often report **2-3x better TPC-H performance** at **a fraction of the cost** of multiple technologies for OLTP, OLAP, ETL, NoSQL, etc.

Deployments

SingleStoreDB Cloud
Fully managed service on public cloud

aws   Microsoft Azure   Google Cloud

- Cloud-only features
- Easy to operate
- Enhanced security

SingleStoreDB Self-Managed
Designed for on-premises deployment

Bare Metal, VMs, or Containers

- On-prem apps and analytics
- Broad platform support
- Yearly subscription

Editions

For production use, SingleStoreDB offers three product Editions — **Standard, Premium and Dedicated** that are uniquely tailored for specific customer requirements, workloads and feature needs. These three trims allow customers to pay only for the functionalities they'd need.

Benefits
—

SingleStoreDB empowers enterprises and startups to build and scale modern applications enabling faster, real-time decisions, improving customer experiences and delivering more cost-efficient operations.

SPEED
Drive real-time analytics with streaming data ingestion and low latency query performance

SCALE
Scale-out architecture for the most demanding applications and analytics

AGILITY
Cloud-native data platform designed for any data, to run anywhere: on premises, public, private or hybrid/multi-clouds

Latency-free Analytics: SingleStoreDB delivers fast query response with high concurrency across both live and historical data using familiar ANSI SQL

Scale-out HTAP: SingleStoreDB brings simplicity and ease to your data architecture by allowing both OLTP and OLAP workloads to be processed using a single table type with our patented Universal Storage

Ultra-fast Event-to-Insight Performance: Deliver against the toughest service level agreements using parallel, distributed lock-free ingestion and real-time query processing

Scale Limitlessly: Elastic scale-out architecture with distributed, massively parallel data processing delivers consistent, predictable response under high ingest and user concurrency

Multi-Model Database: Designed from the ground up as a multi-model database supporting relational, key-value, JSON, geospatial, time series and full-text search.

Standard

Cloud

✔ **Standard Support**

✔ **99.9% Uptime SLA**

Ideal for customers who need to power standard, production workloads, but don't need advanced features for Availability, Security, and Auditability.

Self-Managed

✔ **Standard Support**

Premium

Cloud

✔ **Standard Support**

✔ **99.99% Uptime SLA**

Self-Managed

✔ **Standard Support**

Ideal for mission-critical workloads that have stringent requirements around Availability, Security, and Auditability. Premium provides all of the features in Standard, plus, 99.99% uptime SLAs, Limitless Point-in-Time-Recovery (PITR), Audit logging, multi-AZ failover (Cloud), etc.

Dedicated

(Cloud only)

✔ **Silver Support**

✔ **99.99% Uptime SLA**

Designed for customers especially in regulated industries who have stringent Governance, Risk & Compliance (GRC) needs. This edition is available only with SingleStoreDB Cloud and provides all the mission-critical features available in Premium, plus, an isolated cloud account, support for Customer-managed Encryption Keys and Customer Lockbox.

Free

Free versions are available for developer use.

Free Trial (Cloud): Fully managed service with $600 of cloud credits (AWS/Azure/GCP), Forums support and compliance certifications.
Sign up: singlestore.com/cloud-trial

Free (Self-Managed): Comes with all core features of Standard Edition, no time limits for up to 4-units (128 GB RAM, 32 cores), and Forums support.
Download: singlestore.com/self-managed-standard

SingleStore Pipelines: Built-in parallel data ingestion technology natively ingests high-throughput real-time data from external sources such as Apache Kafka, Amazon S3, Azure Blob, Filesystem, Google Cloud Storage, and HDFS data sources.

Drop-in Compatibility: MySQL wire protocol compatible enables you to plug in directly with existing technologies and skills with support for standard SQL, BI and distributed technologies like Amazon S3, Spark, Kafka and Hadoop

Separation of Storage and Compute: Offers unlimited storage and allows users to effortlessly scale compute resources to meet the needs of any workload while managing the storage needs completely independently -- for both transactions and analytics.

Limitless Point-In-Time Recovery (PITR): With PITR, users can restore the database to any specified date and time, down to the microsecond. Enables customers to power mission-critical applications and provides peace of mind that application or user errors can be quickly and easily remediated.

Enterprise Security: Ensures military-grade security with RBAC, encryption, auditing, password policy management and strict mode to isolate data from administrators.

Editions and Deployments: Feature Comparison

Area	Feature Available Editions	Cloud			Self-Managed	
		Standard	Premium	Dedicated	Standard	Premium
Service Levels and Pricing	Hosting	AWS, Azure, GCP	AWS, Azure, GCP	AWS, Azure, GCP	Self-hosted	Self-hosted
	SLAs	99.9%	99.99%	99.99%		
	Support tier inclusion	Standard	Standard	Silver	Standard	Standard
	Pricing	starts at $0.80/ hr	starts at $1.60/hr	Contact for pricing	Yearly Contract Contact for pricing	
Core Database Engine	Universal Storage	✔	✔	✔	✔	✔
	MySQL wire-compatible, ANSI SQL Data Model	✔	✔	✔	✔	✔
	Multimodel	✔	✔	✔	✔	✔
	Streaming Data Pipelines	✔	✔	✔	✔	✔
	Advanced Query Execution	✔	✔	✔	✔	✔
	AI vector matching functions	✔	✔	✔	✔	✔
Developer tools & connectors	ODBC, JDBC, HTTP drivers	✔	✔	✔	✔	✔
	Code Engine Powered by Wasm	✔	✔	✔	✔	✔
	Connectors for Analytics and BI tools	✔	✔	✔	✔	✔
	Data integration	✔	✔	✔	✔	✔
Availability and Disaster Recovery	High Availability	✔	✔	✔	✔	✔
	Multi-AZ Failover		✔	✔		
	Point-in-Time Recovery		✔	✔		✔
	Disaster Recovery		✔	✔		✔
Scalability	Workload Management	✔	✔	✔	✔	✔
	Unlimited Storage	✔	✔	✔	✔	✔
	Compute Workspaces	✔	✔	✔		

Area	Feature	Cloud			Self-Managed	
	Available Editions	Standard	Premium	Dedicated	Standard	Premium
Security and Networking	Authenticate via JWT	✔	✔	✔	✔	✔
	Engine RBAC	✔	✔	✔	✔	✔
	Data encryption (AES_ENCRYPT)	✔	✔	✔	✔	✔
	Encryption of data in transit (SSL/TLS)	✔	✔	✔	✔	✔
	Encryption of data at rest (AES-256)	✔	✔	✔		
	Single Sign-On	✔	✔	✔		
	Federated Authentication- SAML	✔	✔	✔	✔	✔
	Federated Authentication- OAuth	✔	✔	✔		
	Private network connections	✔	✔	✔		
	Audit Logging (native)		✔	✔		✔
	Audit Logging (3rd party tools)		✔	✔		
	Customer-Managed Encryption Keys (CMEKs)			✔		
Manageability and Observability	Resource Governance	✔	✔	✔		✔
	Management API (REST)	✔	✔	✔		
	Suspend & Resume	✔	✔	✔		
	Cloud Monitoring	✔	✔	✔		
	Automated Updates	✔	✔	✔		

Notes

1) **Unlimited Storage** provides separation of Compute and Storage. Works with Amazon S3 (or 100% S3-compatible object store), Google Cloud Storage, Azure Blob storage. Unlimited Storage on Self-Managed Standard edition is for cloud object stores only.

2) **Charges for data transfer (SingleStoreDB Cloud):** SingleStore does not charge for **data ingress**, but you may incur a charge from your cloud provider. Up to **1TB of data egress** is included with your subscription and transfers above this limit will be charged based on rates set by the cloud provider selected.

3) **Disaster Recovery**: SingleStore supports disaster recovery (DR) for Self-Managed deployments by replicating from one cluster to another with Replicate Database. Replicate Database is not compatible with Unlimited Storage. For Cloud deployments, Multi-AZ Failover provides within-region DR, tolerating loss of full AZ.

4) **Point In Time Recovery**: Allows users to pick an exact point in time to restore to, down to the microsecond, with fully adjustable retention periods. Requires Unlimited Storage.