

SingleStore Education

Learn SingleStore Development & Administration

SingleStore DB Cloud Administrator Course

- SingleStore Cloud Architecture
 - Aggregator and Leaf Nodes
 - Organizations, Workspace Groups and Workspaces
 - Database Partitions
- SingleStoreDB Storage
 - Universal Storage, Sort Keys, Segmentation
 - Rowstore Tables
 - Reference Tables
 - Sharding and Shard Keys
- Ingesting Data
 - Methods of Ingestion
 - SingleStore Pipelines
 - Loading From Data Sources (Kafka, S3, etc)
- Securing SingleStore DB Cloud
 - Privacy
 - Authentication
 - Encryption
 - Audit Logging
 - Disaster Recovery
- SingleStore DB Cloud Monitoring
 - Workspace Sizing and Monitoring
 - Workload Profiling
 - Workload Manager (WM)
 - SingleStore Portal Monitoring Resources
 - Configuring Alerting

Course Details

In-Person: Our instructor can come on site and train you in person. Each course runs for two full days and can be taught back to back in one trip.

Virtual Classroom: Get the same content, but in the virtual classroom. Students are able to ask questions in real time and asynchronously, share their screen for troubleshooting labs, and interact with and learn from each other.

Private Courses: Offered in-person at your location or in the virtual classroom. Ramp up your entire team on SingleStoreDB in classes of up to 15.

Public Courses: Offered in the virtual classroom only. Learn SingleStoreDB with professionals from other organizations. The same great content and instructors. Perfect for ramping up a small team or additions to your larger team..

Cost:

Private Training (Up to 15 people):

- Cloud Admin - \$6,000
- On-Premises Admin - \$12,000
- Developer - \$12,000

Public Open Registration (Per Seat):

- Cloud Admin - \$500
- On-Premises Admin - \$1,000
- Developer - \$1,000

Ready to Get Started? [[Talk to a Specialist](#)] [[Try SingleStore Free Today](#)]

SingleStore DB Self-Managed Administrator Course

- SingleStore Architecture
 - Aggregator and Leaf Nodes
 - Database Partitions
 - Universal Storage, Rowstores, and Reference Tables
 - Unlimited Storage
 - Sharding and Shard Keys
- Installing SingleStoreDB On-Premises
 - Online Installation
 - Offline Installation
 - Upgrading SingleStoreDB On-Premises
- Securing a Cluster
 - Encryption at Rest and In-Motion
 - User Authentication and Administration
 - Role-Based Access Control
- Configuring High Availability
 - Primary and Replica Partitions
 - Cross cluster replication
 - Leaf failover
 - Aggregator Failover
- Disaster Recovery
 - Backup and Restore
 - Types of Backups
 - Backup Destinations
- Logging and Monitoring
 - Logging Queries
 - Monitoring Partitions
 - Orphan Databases
 - Audit Logging
 - Using SingleStore Studio to Monitor Cluster Health
 - Events
- Governing Cluster Resources
 - Restricting Memory and SPU
 - Concurrency Limits
 - Query execution limits
- Working with SingleStore Technical Support

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SingleStore DB Developer Course

- SingleStore Architecture
 - Universal Storage, Rowstores, and Reference Tables
 - Sharding and Shard Keys
- Indexes
 - Skiplist Indexes
 - Hash Indexes
 - Fulltext Indexes
 - Indexing JSON and Geospatial Data
- Optimizing Performance
 - Statistics Collection
 - Using Explain and Profile
 - Query and Schema Tuning
 - Understanding Query Operations
 - Benchmarking
- Ingesting Data
 - Load Data
 - Pipelines
 - Ingesting JSON
 - Pipelines Into Stored Procedures
- SingleStore Procedural SQL
 - Syntax and Control Flow
 - User Defined Functions
 - Stored Procedures
 - Table-Valued Functions
 - User Defined Aggregate Functions
 - WASM User Defined Functions
- Working with JSON
 - JSON data type
 - Accessing data in JSON Columns
 - JSON Functions
- Working with Time Series Data
 - Time Series Data collection
 - Time Functions
- Working with Window Functions
 - Aggregate Functions
 - Value-based Functions
 - Ranking
- Working with Geospatial Data
 - Geospatial Data Types
 - Geospatial Tables
- Building SingleStore Applications
 - Python and Flask
 - JavaScript and Node.js
 - C# and .NET

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