



Percona Training For MongoDB



Why Take MongoDB Training?

Whether you want to increase your confidence in handling routine tasks or learn how to excel at your new MongoDB-based project, Percona Training can help. Our MongoDB training provides deep insights into MongoDB and teaches you how to leverage it for your particular use cases. The training materials cover features of Percona Server for the latest version of MongoDB as well as caveats and up-to-date industry best practices. Through hands-on training, you'll level up your skills to match this powerful database.

**Become more
confident in
MongoDB
operations**

START LEARNING NOW

MongoDB Training for Database Operations Specialists

DURATION: Two days

WHAT YOU GET: The Database Operations Specialist is responsible for standing up new MongoDB instances and for performing backups, recovery, monitoring, and troubleshooting. This course fully equips you for this role by providing the following modules:

- ✓ **Basic administration**
 - Installing MongoDB
 - Upgrading MongoDB
 - Memory usage
 - Storage engine choices
 - Filesystems
 - OS tuning
 - Mongo shell
 - Authentication
- ✓ **Replication**
 - Overview
 - Oplog
 - Heartbeats
 - Election of new primary
 - Configuration
 - Read/write concern
 - Tagging
 - Member priority
- ✓ **Security**
 - Authentication options
 - User management
 - Challenge/response
 - Certificate-based
 - Internal membership
 - Roles
 - Resource limits
 - External authentication (SASL, LDAP)
 - Audit logging
 - Encryption, key rotation
 - SSL/TLS (using and migrating to)
- ✓ **Backups and recovery**
 - Binary dump
 - Filesystem snapshots
 - Binary copy/offline
 - Hot backups
 - Percona Backup for MongoDB
- ✓ **High Availability**
 - Replica sets
 - Primary, secondary reads
 - Rolling maintenance
 - Node discovery
 - Auto failover
 - Geo-distribution of data
- ✓ **Monitoring**
 - Percona Monitoring and Management
 - Alerting in practice
- ✓ **Troubleshooting**
 - mongod/mongos Logs
 - mongostat, mongotop
 - Built-in tools (profiler, stats)

START LEARNING NOW

MongoDB Training for Developers

DURATION: Two days

WHAT YOU GET: During this training, you'll go beyond general knowledge of MongoDB and become fully qualified to design and build applications using it. The course covers the following topics and teaches you how to provides instantly apply what you learn:

- ✓ **Architecture and design**
 - Scaling out
 - Storage engines and memory
 - Clustering/sharding introduction
- ✓ **Constructs**
 - Instances, databases, collections, documents
 - Data types
 - Views
- ✓ **Command basics**
 - CRUD operations
 - Query (reading)
 - Updates
 - Deletes
 - Batch insert/update/delete
 - Comparisons
 - Profiling queries
- ✓ **Indexes**
 - Value of indexes
 - Basics
 - Indexing types
 - Geospatial
 - Query plan analysis
- ✓ **Sharding**
 - Shard keys
 - Chunks
 - Mongos
 - Config servers
 - Balancer
- ✓ **Security basics**
 - Authentication options
 - Challenge/response
 - Certificate-based
 - Internal membership
 - Roles
 - Audit logging

Help your team to go faster and further with MongoDB.

Contact Percona to arrange your training.

