

Database Administration

Learn the essential skills and techniques required to administer and manage databases effectively.

Category: DevOps · Duration: 3 days

WHO IT IS FOR

- Developers and DBAs who work with data every day
- Teams that want hands-on practice on real scenarios

This comprehensive training program is designed to provide participants with a deep understanding of database administration and management. Through a combination of theoretical lectures, hands-on exercises, and real-world case studies, participants will learn the fundamental concepts, tools, and best practices of database administration. The program covers various aspects of database administration, including installation, configuration, performance tuning, data backup and recovery, security, and more.

Prerequisites

Basic knowledge of databases and SQL

Syllabus

- Introduction to databases
- Database management systems
- Database architecture and design
- Relational database management systems (RDBMS)
- Installation and configuration of database servers
- Database monitoring and performance tuning
- Data backup and recovery
- Database security and access control
- Database maintenance and optimization
- High availability and disaster recovery
- Database migration and upgrades
- Database troubleshooting and problem-solving
- Database administration tools and utilities
- Database performance optimization

- Database indexing and query optimization
- Database replication and clustering
- Data warehousing and business intelligence
- Database scalability and performance
- Database auditing and compliance
- Database lifecycle management