

MYSQL DBA Course Content

1. Introduction of MySQL database system, history, features and architecture of MySQL.

- Describe the client/server model
- Understand communication protocols
- Understand how the server supports storage engines

2. MySQL Installation

- RPM Installation
- Generic Binaries Installation
- Source Distribution Installation

3. MySQL installation start up programs

- How to start, stop and restart the server
- How to check the mysql status
- How to set/update the mysql root/user password

4. MySQL user management.

- How to maintain the user privileges using DDL & DCL Commands
- How to maintain the user privileges using DML Commands

5. Storage engines

- MYISAM
- INNODB
- MEMORY
- CSV
- ARCHIVE
- MERGE
- FEDERATED
- BLACKHOLE
- EXAMPLE

6. MySQL Programs.

- Server programs
- Client programs
- Utility programs

7. Locks

- READ (Shared Locks)
- WRITE(Exclusive Locks)

8. MySQL server logs

- Error Log
- General Log
- Binary Logs
- Slow Log

9. Backup

- Physical backup
- Logical backup

10. Restore & Recovery.

11. General Security Issues.

12. Server Optimization.

13. Partitioning

- Range
- List
- Hash
- key

14. INFORMATION_SCHEMA Tables.

15. Replication (Master-Slave and Master-Master).

16. Upgrading MySQL.