

IBM DB2 Admin Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The IBM DB2 Admin Training by Multisoft Systems is designed to empower professionals with the skills and knowledge required to excel in database administration. This comprehensive training program focuses on the fundamentals of IBM DB2, a leading relational database management system, enabling participants to manage and optimize DB2 environments effectively.

Module 1: Introduction to IBM DB2

- ✓ DB2 family products overview (LUW, Mainframe, iSeries)
- ✓ DB2 LUW product editions
- ✓ DB2 product features and functions
- ✓ DB2 client connectivity options

Module 2: The DB2 Database Manager Instance

- ✓ About DB2 Instance
- ✓ Database Manager Instance overview
- ✓ Starting and Stopping an instance
- ✓ list and modify DBM configuration
- ✓ Db2set command
- ✓ Db2 history command
- ✓ DB2 instance creation pre-requisites
- ✓ Create and Drop an instance
- ✓ DB2 registry and environment variables

Module 3: DB2 Fundamentals & IBM Data Studio Tool

- ✓ Product Overview
- ✓ Editions & Features
- ✓ Licensing
- ✓ DB2 Fundamentals and Architecture
- ✓ Users
- ✓ Instances
- ✓ Buffer pools
- ✓ Security
- ✓ DB2 Client
- ✓ Storage
- ✓ Table spaces

- ✓ SQL and XQuery
- ✓ IBM Data Studio
- ✓ DSAC

Module 4: Creating databases and data placement

- ✓ Database creation pre-requisites
- ✓ Database storage requirements
- ✓ Table spaces overview
- ✓ Storage management overview (SMS, DMS, Automatic)
- ✓ Default Table spaces
- ✓ List DB configuration parameters
- ✓ Database directories and files introduction
- ✓ System catalog tables and views
- ✓ Containers, extents, pages overview
- ✓ Create Tablespace syntax
- ✓ Storage groups overview
- ✓ Assigning a tablespace to a storage group
- ✓ Introduction to db2pd command
- ✓ Alter Tablespace, Alter Stogroup
- ✓ DB2 List DB Directory
- ✓ Activate and deactivate a database

Module 5: DB2 Security

- ✓ Authentication versus Authorization
- ✓ SYSADM, SYSCTRL, SYSMANT, SYSMON
- ✓ DB2 security privilege hierarchies
- ✓ Grant and Revoke privileges
- ✓ Trusted Context
- ✓ Label-Based Access Control (LBAC)
- ✓ ROLES

Module 6: DB2 Backup and Recovery

- ✓ Transactional logging (Circular, Archival)
- ✓ Configure database logs
- ✓ Backup utility options
- ✓ Recovery utility options
- ✓ Rollforward
- ✓ DB2 Recover Database
- ✓ Online versus Offline backup

Module 7: Working with Databases and Object in Db2

- ✓ Servers, Instances, and Databases
- ✓ Managing Instances
- ✓ Creating a DB2 Database
- ✓ Cataloging
- ✓ Database (Data) Objects

Module 8: Installation and Configuration

- ✓ Installation & Configuration (working with windows os)
- ✓ Database creation
- ✓ Instance creation
- ✓ Table space Creation
- ✓ Working with Buffer pool