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Microsoft SQL Server 2019 Administration

Module 1: Installation

- SQL Admin Intro
- Installation

Module 2: Data Storage

- Introduction to Data Storage with SQL Server
- Managing Storage for System Databases
- Managing Storage for User Databases
- Moving Database Files

Module 3: Data Recover

- Intro to Data Recovery
- Understanding SQL Server Recovery Models
- Planning a Backup Strategy
- Backing up Databases and Transaction Logs
- Using SSMS For Backup
- Understanding the Restore Process
- How to Restore a Database
- Using SSMS For Restore
- T-SQL Backup and Restore
- Advanced Restore Scenarios
- Introduction to Transferring Data
- Importing and Exporting Table Data
- Copying or Moving a Database

Module 4: Monitoring

- Introduction to Monitoring SQL Server
- Dynamic Management Views and Functions
- Server Reports
- System Performance Monitor
- Tracing SQL Server Workload Activity
- Extended Events
- Database Tuning Advisor

Module 5: Security

- Introduction to SQL Server Security
- Managing Server-Level Security

- Managing Database-Level Security
- Row Level Security (RLS) Using Policies
- Database Security Tools
- Contained Database
- Auditing Data Access in SQL Server
- Implementing Transparent Data Encryption

Module 6: Maintenance

- Introduction to Maintenance
- Ensuring Database Integrity
- Maintaining Indexes
- Automating Routine Database Maintenance
- Automating SQL Server Management
- Monitoring SQL Server Errors
- Configuring Database Mai