



COURSE: 20764C Administering a SQL Database Infrastructure

This five-day instructor-led course provides students who administer and maintain SQL Server databases with the knowledge and skills to administer a SQL server database infrastructure. Additionally, it will be of use to individuals who develop applications that deliver content from SQL Server databases.

Summary

<i>Duration:</i>	<i>5 days/ 40 hours</i>
<i>Level:</i>	<i>300*</i>
<i>Delivery method:</i>	<i>In class</i>
<i>Language:</i>	<i>Bulgarian/English</i>

* The difficulty level is consistent with the widely accepted scale of technical difficulty of training on Microsoft Corp

AUDIENCE:

- The primary audience for this course is individuals who administer and maintain SQL Server databases. These individuals perform database administration and maintenance as their primary area of responsibility, or work in environments where databases play a key role in their primary job.
- The secondary audiences for this course are individuals who develop applications that deliver content from SQL Server databases.

AFTER THE TRAINING ATTENDEES WILL BE ABLE TO:

- Authenticate and authorize users; Assign server and database roles
- Authorize users to access resources; Protect data with encryption and auditing
- Describe recovery models and backup strategies; Backup SQL Server databases
- Restore SQL Server databases; Automate database management
- Configure security for the SQL Server agent; Manage alerts and notifications
- Managing SQL Server using PowerShell; Trace access to SQL Server
- Monitor a SQL Server infrastructure; Troubleshoot a SQL Server infrastructure
- Import and export data

TOPICS:

Module 1. SQL Server Security

Module 2. Assigning Server and Database Roles

Module 3. Authorizing Users to Access Resources

Module 4. Protecting Data with Encryption and Auditing

Module 5. Recovery Models and Backup Strategies

Module 6. Backing Up SQL Server Databases

Module 7. Restoring SQL Server 2016 Databases

Module 8. Automating SQL Server Management

Module 9. Configuring Security for SQL Server Agent

Module 10. Monitoring SQL Server with Alerts and Notifications

Module 11. Introduction to Managing SQL Server by using PowerShell

Module 12. Tracing Access to SQL Server with Extended events

Module 13. Monitoring SQL Server

Module 14. Troubleshooting SQL Server

Module 15. Importing and Exporting Data