

MSSQL-HA

High Availability in SQL Server

Description:

This 3-day instructor led training course describes the design, implementation and maintaining high availability solutions in MS SQL Server.

Students will be able to:

- Design High Availability Solutions for MS SQL Server.
- Implement Log Shipping and Database Mirroring.
- Implement Windows Server Failover Clustering.
- Implement Always On Availability Groups.
- Replicate Data.

Course requirements:

- Basic knowledge of SQL Server, SQL and databases.
- Basic knowledge of the Microsoft Windows operating system.

This course is intended for:

IT managers and database administrators, who need to use high availability solutions in MS SQL Server.

Literature:

All participants will get internal OKsystem materials.

Hardware:

Classrooms are equipped with performing computers with Internet access, including wireless access.

Syllabus:

Module 1: Introduction to High Availability Solutions

- Lesson: High Availability concepts
- Lesson: Log Shipping
- Lesson: Database Mirroring
- Lesson: Windows Server Failover Clustering
- Lesson: Always On Availability Groups
- Lesson: Replications
- Lab: Log Shipping, Database Mirroring

Module 2: Windows Server Failover Clustering

- Lesson: Failover Clustering
- Lesson: Design, prerequisites, implementation
- Lesson: Managing, failover
- Lab: Windows Server Failover Clustering

Module 3: Always On Availability Groups

- Lesson: Implementation of Always On Availability Groups
- Lesson: Failover and Maintaining
- Lesson: Secondary Replicas
- Lab: Always On Availability Groups

Module 4: Maintenance, Monitoring, Troubleshooting and Optimizing

- Lesson: Maintenance, upgrades, changes
- Lesson: Monitoring, Troubleshooting and Optimizing
- Lab: Maintenance, Monitoring, Troubleshooting and Optimizing

Module 5: Replicating Data

- Lesson: Design and replication implementation
- Lesson: Troubleshooting and Maintaining
- Lab: Replicating Data

Contact us

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