

## COURSE: SQL Server High Availability and Disaster Recovery Solutions

The course is diving into SQL Server technologies and solutions that support and provide service and database availability in order to understand and being able to design, maintain and support them in practical production environment

### Summary

*Duration:* 3 days/ 24 hours

*Level:* 400\*

*Delivery method:* In class

*Language:* English/Bulgarian

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

It is very important to understand the way availability solutions in SQL Server work in order to design, implement and maintain critical production systems. Developing an overall understanding and familiarity of the basic features and different implementations is relatively simple. What is trickier to develop however, is an understanding of the mechanics (or internals) of Clustering, Availability Groups and getting experience on how to manage large scale critical systems. This training gives you the important aspects to understand the Clustering, Log Shipping and Availability group technology in order to build, manage and maintain a reliable availability solution.

### AUDIENCE:

- DBAs and Architects, who need to design, implement and maintain SQL Server High Availability and Disaster Recovery solutions

### AFTER THE TRAINING ATTENDEES WILL BE ABLE TO:

- Decide which HA and DR technology to implement
- Understand how the specific availability solution work
- Implement a proper high availability solution or a combination of them
- Manage, maintain, operate and troubleshoot Availability Group configuration
- Monitor and take actions to optimize the solution performance

### TOPICS:

**Module 1:** HADR Concepts

**Module 2:** Log Shipping

**Module 3:** SQL Server AlwaysOn Failover Cluster Instance

**Module 4:** SQL Server AlwaysON Availability Groups

**Module 5:** Managing and Maintaining HADR Solutions