# Microsoft SQL Server – High Availability and replication

Course code: GOC638

A high-availability solution masks the effects of a hardware or software failure and maintains the availability of applications so that the perceived downtime for users is minimized. On this course, students acquire knowledge that is necessary for the effective use of high-availability database of Microsoft SQL Server.

## Who is the course for

- Database administrators who want to get more information and learn the techniques how to configure and manage high-availability MS SQL Server
- IT managers and developers who want to understand the techniques of high availability

## After completing this course, students will be able to use new features in these areas:

- Understand the concept of high availability
- Decide and use of appropriate technology to design high availability
- Deploy and manage high-availability solution

## Required skills

- Basic knowledge of the Microsoft Windows operating system and its core functionality
- Working knowledge of MS SQL Server 2005/2008/2012

## Course Outline

- High Availability and Disaster Recovery Concepts
- SQL Server Layers of Protection
- Log Shipping
- Database Mirroring
- AlwaysOn Failover Cluster
- AlwaysOn Availability Group
- Interoperability