

## 55153: Microsoft SQL AlwaysOn and High Availability

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Porto
- **Data:** 28 Out. 2019 a 31 Out. 2019
- **Preço:** 940€
- **Horário:** Pós-laboral - das 18h30 às 22h00
- **Duração:** 14 horas

This two-day instructor-led course is designed for database administrators to familiarize them with the concepts in SQL AlwaysOn and High Availability. The course utilizes SQL 2014, but explains the differences from SQL 2012.

### Destinatários

This course is intended for SQL DBAs and IT Professionals.

### Objectivos

- Understand and utilize AlwaysOn and high availability concepts and terminology.
- Understand edition changes from SQL 2012.
- Understand failover clusters.
- Understand log shipping.
- Understand replication.
- Understand database mirroring.
- Understand database snapshots.
- Understand SQL failover cluster implementation.
- Understand multi-site clustering.
- Understand flexible failover policy.
- Understand and utilize AlwaysOn.
- Understand node majority.
- Understand node and disk majority.
- Understand node and file share majority.
- Understand no majority.
- Understand configuration options.
- Understand and utilize quorums.

- Understand application failover
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## Programa

### Course Overview

- Introduction
- Course Materials
- Facilities
- Prerequisites
- Course Overview

Lab : Course Overview

### AlwaysOn and High Availability Concepts and Terminology

- Concepts and Terminology
- Edition Changes from SQL 2012
- Failover Clusters
- Log Shipping
- Replication
- Database Mirroring
- Database Snapshots

Lab : AlwaysOn and High Availability Concepts and Terminology

### AlwaysOn

- SQL Failover Cluster Implementation
- Multi-Site Clustering
- Flexible Failover Policy

Lab : AlwaysOn

### Understanding Quorums

- Node Majority
- Node and Disk Majority
- Node and File Share Majority
- No Majority
- Configuration

Lab : Understanding Quorums

### AlwaysOn Availability Groups

- Application Failover
- Availability Group (AG)

- Availability Replica

Lab : AlwaysOn Availability Groups

### **Secondary Availability Group Actions**

- Active Secondary Replicas
- Readable Secondary Replicas
- Backups on Secondary Replicas

Lab : Secondary Availability Group Actions

### **Monitoring**

- Monitoring AlwaysOn Availability Groups
- Dashboard
- Troubleshooting Tools

Lab : Monitoring