



## SQL Server AlwaysOn Essentials

This one-day hands-on instructor-led workshop introduces the participants to Microsoft SQL Server AlwaysOn Availability Groups which provides the high-availability and disaster recovery solution for SQL Server 2012.

AlwaysOn provides an integrated set of options, and seamless application failover with the Availability Group Listener feature.

Easily monitor the high availability configuration using AlwaysOn dashboard, a visual configuration of the health of your database.

Enhance SQL Server failover clustering and support multi-site clustering across subnet to enable cross-datacenter failover of SQL Server instances.

Help control when a failover should happen and eliminate false failover of instances and databases.

### Who Should Attend:

This workshop is intended for experienced SQL Server Database Administrators, IT managers, network administrators and anyone involved in planning, supporting or implementing a high-availability solution with SQL Server.

### Course Prerequisites:

**Before attending this workshop, participants should have:**

- Experience with SQL Server database administration
- A working knowledge of Windows Operating System
- Working knowledge of WSFC

### Course Objectives:

**After completing this workshop, participants will be able to:**

- Deploy AlwaysOn Availability Groups on SQL Server 2012
- Understand Quorum Configuration

**Course Code:** SSAOE  
**Course Duration:** 1 Day

### Course Summary

**Module 1:** Overview of Server Core

**Module 2:** Windows Clustering Pre Requisites

**Module 3:** Discuss AlwaysOn Availability Groups

**Module 4:** Planning for AlwaysOn Availability Groups

**Module 5:** Implementing AlwaysOn Availability Group Lab

**Module 6:** Failover Overview

**Module 7:** Utilising Secondaries

**Module 8:** Managing AlwaysOn Availability Groups

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Call 1300 927 394 to register for this course today as places are strictly limited.



## Course Outline

### Module 1: Overview of Server Core

- What is Server Core?
- Advantages of using Server Core

### Module 2: Windows Clustering Prerequisites

- Why AlwaysOn Availability Groups are dependent on Clustering?

### Module 3: Discuss AlwaysOn Availability Groups

- What are AAGs?
- What is a Listener Services?
- How is data Synchronised?

### Module 4: Planning for AlwaysOn Availability Groups

- What is required?
- Determining Capabilities
- Failover Requirements
- Basic Licensing Considerations

### Module 5: Implement AlwaysOn Availability Groups Lab

- Building an AAG
- Connecting to a Listener
- Failover between Servers

### Module 6: Failover Overview

- Automatic Failover
- Manual Failover

### Module 7: Utilising Secondaries

- Readable Secondaries
- Backup off Secondaries

### Module 8: Managing AlwaysOn Availability Groups

- Altering Settings
- Monitoring AAG's