

## **AlwaysOn and High Availability Options in SQL Server**

- ❑ Will start shortly
- ❑ Mute your microphone when not speaking
- ❑ Check that you can "raise your hand" next to your name on the left
- ❑ When we start I'll ask everyone to raise their hand to verify you can hear me
- ❑ To ask a question type it in the "Questions" section and raise your hand to help me notice it
- ❑ Questions will be answered at the end of the webinar



**WEB AGE**  
solutions inc.

## "Web Age Speaks!" Webinar Series

# **AlwaysOn and HighAvailability Options in SQL Server**

# Introduction

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- Web Age Solutions
  - ❖ Microsoft Gold Partner for Learning
  - ❖ Administration
  - ❖ SQL Server
  - ❖ BI
  - ❖ SharePoint
  - ❖ .NET

# Overview of Webinar

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- ❑ Disaster Recovery
- ❑ Backup / Snapshot
- ❑ Database Mirroring
- ❑ Transaction Log Shipping
- ❑ AlwaysOn
- ❑ Failover Cluster
- ❑ Replication

# Disaster Recovery

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- ❑ Cold Standby
- ❑ Warm Standby
- ❑ Hot Standby

# Backup / Snapshot

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- Backup
  - Page Recovery
- Snapshot
  - Record-level Recovery

# Database Mirroring

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- Roles
  - Principal
  - Mirror
  - Witness
  
- Modes
  - Asynchronous (High-Performance Mode)
  - Synchronous (High-Safety Mode)

# Transaction Log Shipping

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- Roles
  - Primary
  - Secondary
  - Monitor
- Latency



- Roles
  - Primary
  - Secondary Replica (4-8)
- AlwaysOn Availability Group
- 1 Auto-failover instance
- Operating Modes
  - Asynchronous-Commit Mode
  - Synchronous-Commit mode

# Failover Cluster

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- Active / Active
- Active / Passive

# Replication

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- Roles
  - Publisher
  - Subscriber
  - Distributor
- Peer-to-Peer Replication

# Our Offerings

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- ▣ SQL Server 2012/2014
  - ❖ 55153
  - ❖ 20462

# Contact and Resources

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