



# Simplify SQL Server 2005 Upgrades

Migrate away from SQL Server 2005 and adopt AlwaysOn with no application changes



ScaleArc’s database load balancing software directs SQL traffic so apps no longer need to be tied to database structure. ScaleArc simplifies migration to SQL Server 2014, automatically supports AlwaysOn, and augments AlwaysOn to enable zero downtime.

## What is ScaleArc for SQL Server?

ScaleArc for SQL Server is database load balancing software that inserts transparently between applications and databases. The software provides automatic read/write split, geo-aware load balancing, query routing, connection management and other SQL traffic management on behalf of the app.



## Upgrade to SQL Server 2014 Now

- SQL Server 2005 end of support is [April 12, 2006](#)
- Microsoft is partnering with ScaleArc to simplify the upgrade process
- Customers should upgrade now to avoid the risk of maintaining vulnerable resources

## Problem: End of Support

- SQL Server 2014 provides a number of advantages over 2005 – AlwaysOn
- AlwaysOn requires re-architecting the application for load balancing and failover
- Failover in AlwaysOn interrupts applications, drops client connections until the failover is complete

There must be a better way

## Solution: Upgrade with ScaleArc

- Adopt AlwaysOn with no app changes with ScaleArc
- Support read/write split automatically
- Create Oracle-like reliability at a fraction of the cost
- Improve application performance

Cut project times in half

## Enjoy Additional Capabilities

- Make local and global failover transparent to the app
- Support dynamic and geo-aware load balancing
- Monitor replication status to avoid serving stale data
- Detect cluster failover state and queue writes during failover

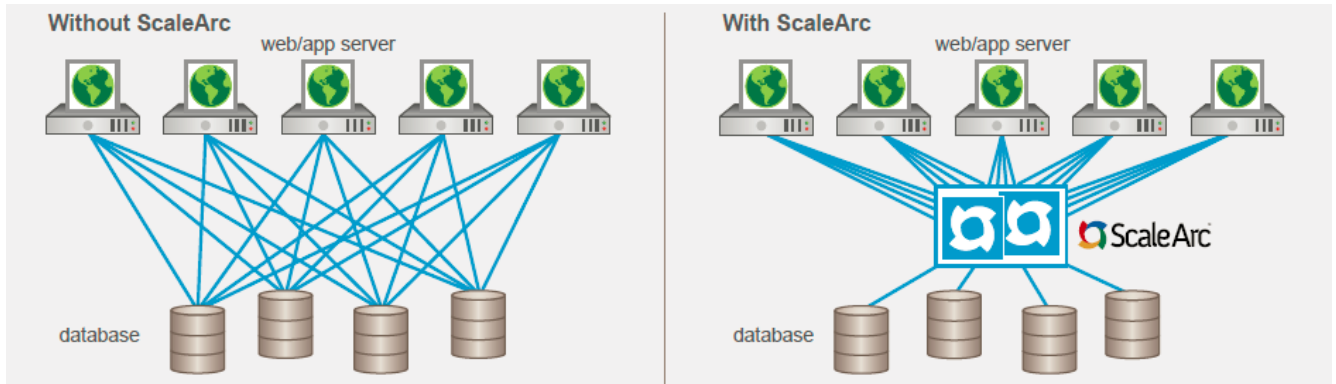
Enable zero downtime maintenance

Gartner recently named ScaleArc a “Cool Vendor,” citing: Database failover that’s transparent to the application, linear scaling for elasticity with no downtime, automatic read/write split to leverage database replication and scale out with no application changes, zero-downtime maintenance, and ability to optimize capacity utilization and queue loads during failover to prevent application errors.



# ScaleArc – Transparent Deployment

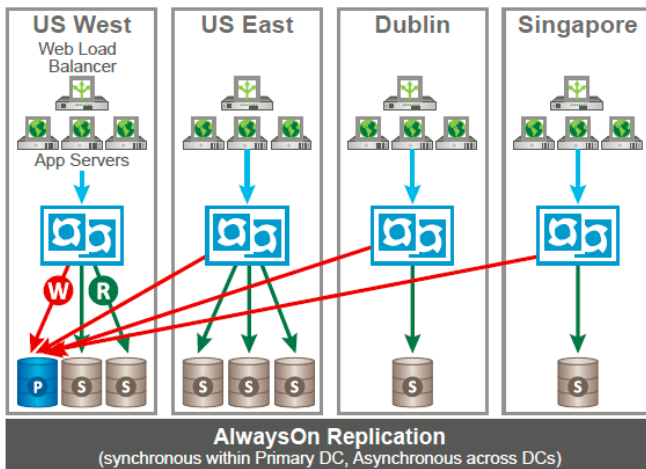
The ScaleArc software deploys transparently between your applications and databases. The software looks to the app as if it were the database and appears to the database as if it were the app.



## Sample ScaleArc for SQL Server Customers



## Microsoft IT is a ScaleArc Customer



## answers.microsoft.com

### Challenges

- Migrate from SQL Server 2008 to 2014
- Overcome limitations of AlwaysOn – not replication aware, no geo-aware load balancing
- Avoid app rewrites to support 2014
- Streamline maintenance, patching, testing

### ScaleArc Results

- Shortened project from 9 months to 4 months
- Provides auto failover across data centers, without app errors
- Supports automatic read/write split, geo-aware load balancing
- Enables zero-downtime maintenance
- Supports 8x traffic capacity

Give ScaleArc a try:

<http://azure.microsoft.com/en-us/marketplace/partners/scalearc/scalearc-sql-server/>