

SQL Server 2014

Mission Critical Performance



With groundbreaking In-Memory technology built-in, SQL Server 2014 provides mission critical performance for the most demanding database applications.

In-Memory Built-In

Up to 30x performance gains

In-memory **across all workloads** in a single platform

- No need to re-write the entire app
- Select highly utilized tables to be in-memory
- Optimize in-memory to fit existing hardware
- Natively compile stored procedures



“With In-Memory OLTP and HDInsight, we have the best technology on which to base the current and future design of our architecture.”

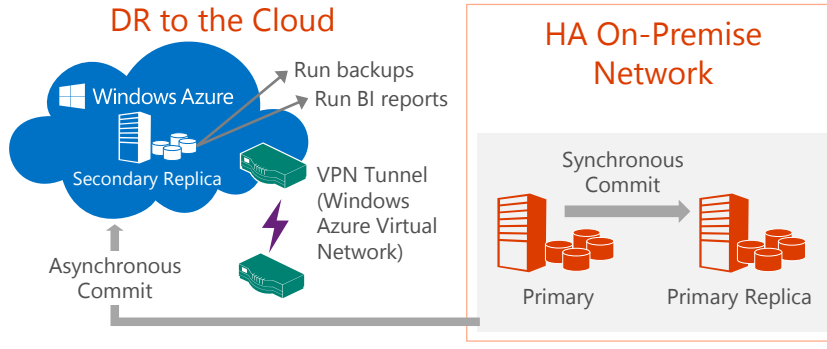
– Guido Van de Velde Ferranti

High Availability

The 9's you need

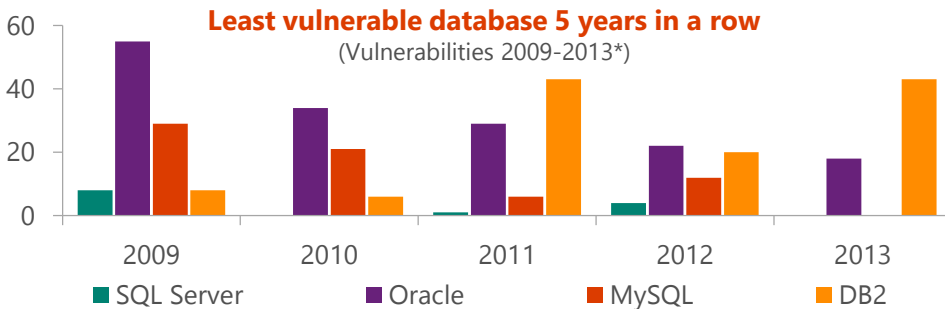
- Multi-DB failover, manual or automatic
- Up to 8 secondary replicas and a new Replica Wizard
- Offload reads and backups to readable secondaries
- Synchronous replication for zero transaction loss

High Availability & Disaster Recovery with AlwaysOn



Enhanced Security & Scalability

Least vulnerable 5 years in a row



Mission Critical Scale with Windows Server 2012

COMPUTE

Physical compute up to 640 logical processors
Virtual compute 64 vCPUs/VM & 1TB memory/VM

NETWORKING

Access scalable networking with NIC teaming by pooling network cards

STORAGE

Ensure hot data hits premium storage for faster performance

Mission Critical Support

Highest-level coverage

- Solution validation
- Architectural reviews
- On-site engineering
- Fastest response times available from Microsoft

Ecosystem of **70,000+** SQL Server Partners

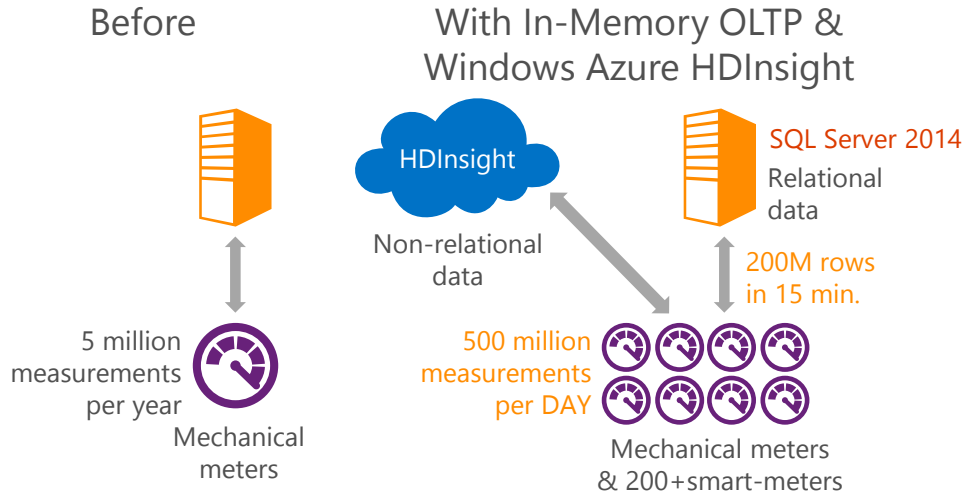
More than 900 businesses migrated workloads from Oracle to SQL Server since 2012

*National Institute of Standards and Technology Comprehensive Vulnerability Database 4/17/2013

Real World Mission Critical Performance with SQL Server 2014

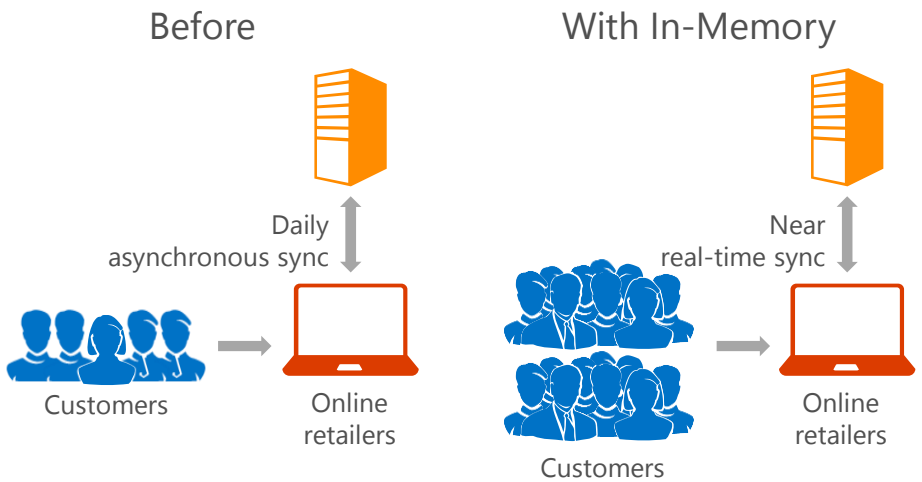
Hybrid Utility Solution Manages Data Explosion

- ✓ Increased database write speed 100%
- ✓ Enhanced customer service through "smart" appliances and optimized rates



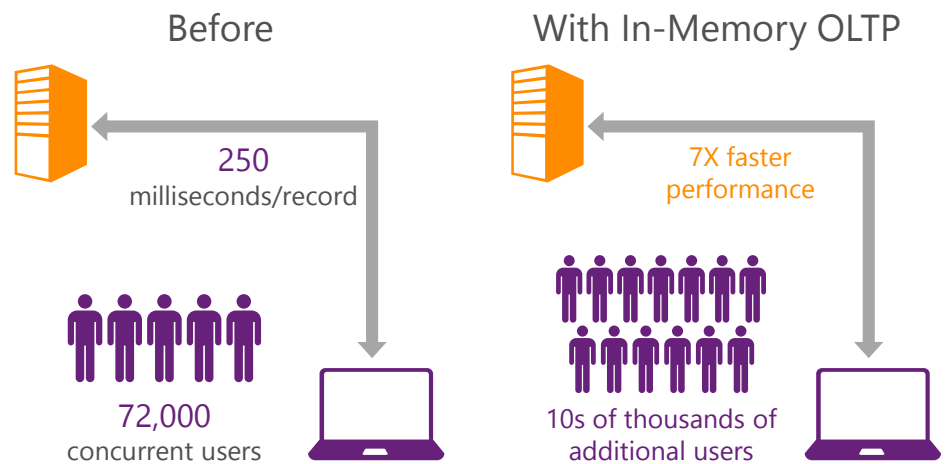
Edgenet gets 7x faster performance

- ✓ Increased sales with greater throughput and improved customer satisfaction
- ✓ 7x faster performance enables near real time inventory updates



7X Faster Solution Can Save Lives, Scale Globally

- ✓ 7x faster performance enables near real time access to medical records, to help save lives
- ✓ Increased scalability can handle thousands of additional users



“Using SQL Server 2014, we can now comfortably say we can scale our system when we expand to new international markets...we've proven that we can scale, and we'll be able to handle many more users.”

– Phil Grayson, Technical Operations Lead, TPP