FOR UPGRADING YOUR INFRASTRUCTURE

**1. HIGHER PERFORMANCE FOR CRITICAL WORKLOADS**

Up to 6x higher performance for critical workloads, and up to 20% more cores, threads, cache, and system bandwidth. (1, 2)

**2. BETTER MANAGEMENT OF TRANSACTION-ORIENTED APPS**

Upgrading to the Intel Xeon Processor E7 v3 family running SQL Server* 2014 means up to 2.2x the performance improvement for online transaction processing. (1, 3)

**3. WORLD RECORD IN-MEMORY ANALYTICS**

Intel Xeon Processor E7 v3 family running SQL Server 2014 in-memory up to 6.8x greater performance and up to 95% lower cost per query per hour compared to 5-year-old system. (1, 4)

**4. END OF SUPPORT COMING SOON FOR SQL SERVER 2005**

As of April 12, 2016, Microsoft will no longer provide support for SQL Server 2005. Refreshing hardware and software together provides up to 16x greater performance. (1, 5)

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1. Software and workloads used in performance tests may have been optimized for performance only on Intel® architecture. Performance tests, such as IS*mark and prMark®, are measured using specific computer systems, components, software, applications, and workloads. Any change to any of these factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including correctness, security, performance, and other computer characteristics.

2. The performance of any specific platform may vary depending on the hardware used, operating system(s) and software application(s) used, as well as the configuration of each platform.

3. Up to 2.2x performance based on SQL Server* OLTP benchmark testing comparing baseline Intel® Xeon® Processor E7-4890 v2 using SAP HANA® 1 SPS 8 scoring 14327 tpm to the new Intel® Server platform with four Intel® Xeon® Processor E7-8890 V3 using SAP HANA® 1 SPS 9 scoring 89619 tpm.

4. Up to 6.8x greater performance improvement and up to 95% lower cost claim based on TPC-H 3000GB workload comparing baseline Unisys* ES7000 System x3850 X6* platform using SQL Server 2014 scoring 6964 tps to current-generation Lenovo* System x3850 X6 Server using Intel® Xeon® E7-8890 v3 – 2.5GHz (4 processors, 72 cores, 144 threads). Score: 700392 QphH@3000GB, total system cost is $691,524 USD, $245.98/tpsE.

5. Up to 16x greater performance claim based on TPC-H 3000GB workload comparing baseline IBM System x3850 M2 running Microsoft SQL Server* 2005 with four Intel® Xeon® processor X7350 2.9GHz (4 processors, 64 cores, 64 threads), (historical) Score: 419.80 tpsE, total system cost is $639,917 USD, $1527.25/tpsE. (source: http://www.tpc.org/4072).