Cisco UCS Servers Claim Seven New World Records on Industry-Standard Benchmarks with the Intel Xeon Processor E5-2600 v2 Family

Performance Brief
September 2013

There are many reasons why Cisco has rocketed to the number-two position among blade server vendors worldwide, why Cisco has more than 26,000 server customers, and why that number grew by 63 percent last year. One of the reasons is performance.

Cisco is dedicated to the server market and to delivering outstanding performance on real-world enterprise applications. There is no better way to compare performance than by using industry-standard benchmarks, in the same week as the versatile Intel® Xeon® processor E5-2600 v2 family was announced, Cisco captured seven world records on industry benchmarks—more than any other vendor (Table 1).
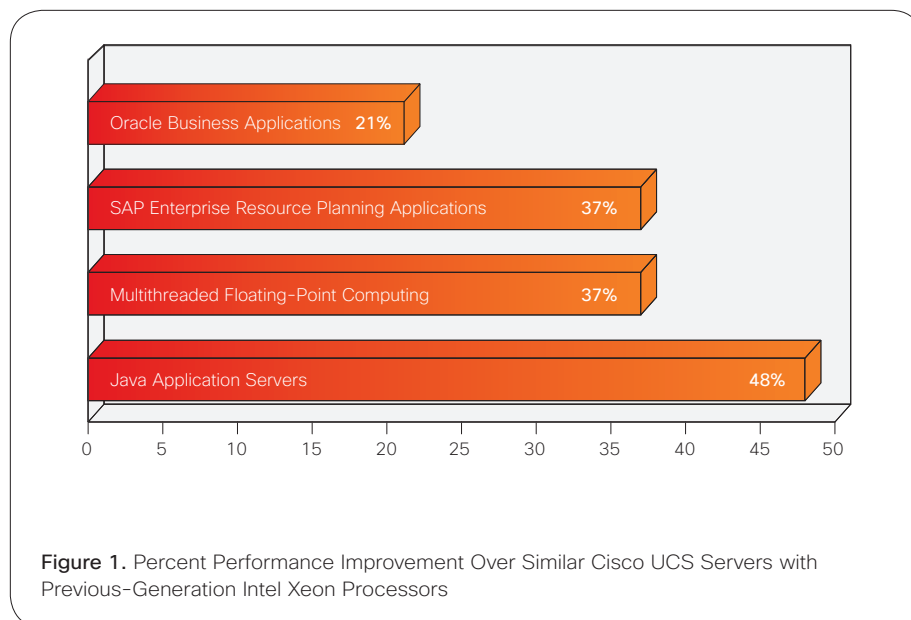
Table 1. World-Record Performance

Server	Processor	Benchmark	Score
Cisco UCS B200 M3 Blade Server	Intel Xeon processor E5-2697 v2 at 2.7 GHz	Oracle E-Business Suite 12.1.3 Extra Large Payroll	1,017,639 Employees/hr Number-one result
Cisco UCS C220 M3 Rack Server		SPECjbb®2005	2,152,354 business operations per second (bops); 1,076,177 bops with 2 Java virtual machines (JVMs) Number-one 2-socket server
Cisco UCS B200 M3 Blade Server		SPECjbb2013 MultiJVM	62,393 max-jOPS 23,505 critical-jOPS Top MultiJVM 2-socket x86/x64-architecture server
Cisco UCS B200 M3 Blade Server		VMware View Planner	VMware VDImark of 149 First and best official result by any company
Cisco UCS C240 M3 Rack Server		SPEComp®G_base2012	SPECompG_base2012=6.79 SPECompG_peak2012=7.37
Cisco UCS B200 M3 Blade Server		SPECfp®_rate_base2006	681 Number-one 2-socket server
Cisco UCS C220 M3 Rack Server	Intel Xeon processor E5-2667 v2 at 3.3 GHz	SPECint®_base2006	SPECint_base2006=63.0, SPECint_2006=68.1 Number-one 2-socket server

With many vendors competing to deliver the best application performance, these world records show the degree to which Cisco can demonstrate the full power of Intel's new processor family. Cisco UCS with the Intel Xeon processor E5-2600 v2 family delivered up to 48 percent better performance over the prior generation of Intel Xeon processors (Figure 1). These benchmark results enable customers to be confident that as processor technologies improve, Cisco will be there to deliver the performance they provide.

Application Performance with Better Infrastructure

While all vendors have access to Intel processors, only Cisco unleashes their power to deliver high performance to applications through the power of unification. Cisco UCS integrates industry-standard, x86-architecture blade and rack servers with networking and storage access into a unified system. Integrated, unified management makes the system self aware and self integrating, with automated server and network configuration that makes it fast and easy to deploy new applications, repurpose existing servers, and scale applications with 100 percent compliant configurations. Cisco UCS is integrated through Cisco® SingleConnect technology, an exceptionally easy, intelligent, and efficient way to connect and manage computing in the data center. Cisco SingleConnect technology is an exclusive Cisco

Figure 1. Percent Performance Improvement Over Similar Cisco UCS Servers with Previous-Generation Intel Xeon Processors

innovation that dramatically simplifies the way data centers connect rack and blade servers; physical servers and virtual machines; LAN, SAN, and management networks.

Performance That Matters

Businesses understand that every vendor is able to set a performance record now and then—but setting more records duringa processor launch than any other vendor is truly exceptional. The benchmark results cited in this document demonstrate performance on critical real-world server use cases, including enterprise application, desktop virtualization, enterprise middleware, and CPU-intensive workloads. Cisco's industry leadership and ability to set and reset world records on critical benchmarks

are testimony to the fact that Cisco is not just selling servers—it is reinventing the server market.

For More Information

For more information about the Cisco Unified Computing System, visit http://www.cisco.com/go/ucs.

The results described in this document were obtained from detailed benchmark results available at http://www.cisco.com/go/ucsatwork as of September 13, 2013. SPEC, SPECfp, SPECint, SPECjbb, and SPEComp are registered trademarks of Standard Performance Evaluation Corporation. Comparative benchmark results are available at http://www.spec.org.

View Planner is a product of VMware, Inc. The results cited in this document were available at http://www.vmware.com/pdf/ViewPlanner-3.0-results.pdf and were valid as of September 10, 2013.