August 27, 2012

AMD-Based Virtualization Solutions Deliver Leading Scalability While Slashing Total Cost of Ownership

AMD-Based Systems Can Reduce Cap-Ex by up to 30 Percent; $130,000 per Rack

SAN FRANCISCO, CA -- (Marketwire) -- 08/27/12 -- *VMworld 2012* -- AMD (NYSE: AMD) today announced that virtualization environments running on AMD Opteron™ processor-based servers offer superior price/performance while reducing capital expense (cap-ex) by up to 30 percent(1) versus comparable solutions. The findings, based on recently published VMmark™ 2.1 benchmarks of high-end systems, can amount to $130,000 in savings(1) or more for a single server rack, enabling IT decision makers to greatly reduce cap-ex and total cost of ownership (TCO). In a separate announcement, AMD also announced today the launch of its AMD FirePro™ S9000 and S7000 server graphics products.

Another test using VMware ESX™, a more typical virtualized environment consisting of mid-range processor and memory configurations, reveals that AMD Opteron processors lead in both price as well as price/performance(2) versus Intel-based systems. And yet a third test with Hyper-V running 14 to 38 virtual machines, also using mid-range processor and memory configurations, shows that AMD Opteron-based servers offer not only superior price/performance but also scalability as server utilization increases(3).

"Virtualization is a sweet spot for AMD Opteron processors," said Suresh Gopalakrishnan, corporate vice president and general manager of Servers, AMD. "Servers using high core count AMD Opteron™ 4200 and 6200 series processors today consistently provide our customers with outstanding scalability and lower cost per VM in virtualized IT environments for server consolidation and building public or private clouds."

AMD will be showcasing its virtualization solutions at VMworld® 2012 through August 30 in San Francisco's Moscone Center, booth 801. It will be demonstrating the HP DL385p and the Dell PowerEdge R815 servers with VMware vSphere™ and View™, the graphics path capabilities of vSphere with AMD FirePro™ graphics boards, and also showing first looks at the AMD Opteron module for the AMD SeaMicro platform.

AMD Senior Vice President and Chief Information Officer, Mike Wolfe, and VMware Chief Platform Architect, Rich Brunner, will be speaking at a super session titled "Transforming Your Business Through Cloud Computing," today at 3:30 p.m. (PT). Additionally, AMD Field Engineer Ruben Soto will be discussing "NUMA Performance Consideration in VMware vSphere," in a breakout session at 11:40 a.m. (PT), also today.

More information on AMD and its participation at VMworld 2012 is available at www.amd.com/vmworld2012.

About AMD
AMD (NYSE: AMD) is a semiconductor design innovator leading the next era of vivid digital experiences with its groundbreaking AMD Accelerated Processing Units (APUs) that power a wide range of computing devices. AMD's server computing products are focused on driving industry-leading cloud computing and virtualization environments. AMD's superior graphics technologies are found in a variety of solutions ranging from game consoles, PCs to supercomputers. For more information, visit http://www.amd.com.

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Footnotes

(1) Based on price and performance evaluations of systems with VMmark 2.1 scores posted as of 8/5/2012.Systems includes: 2 x AMD Opteron™ processors Model 6284SE in HP DL385 Gen8 server posting a VMmark 2.1 score of 8.31 @ 8 Tiles per 2 host systems with 32 VMs per server and including 128GB (8x16 GB DDR3-1600) memory, 1x15K 450GB SAS HD, and base warranty at a cost of $8,908 for server hardware and $6,990 for VMware vSphere Enterprise Plus software; 2 x Intel Xeon E5-2690 processors in HP DL380p Gen 8 server posting a VMmark 2.1 score of 11.05 @ 10 Tiles for two host systems with 40 VMs per server with 256GB (16x16 GB DDR3-1600) memory, 1x15K 450GB SAS HD, base warranty at a cost of $15,525 for server hardware and $6,990 for VMware vSphere Enteprise Plus software. System prices as of 8/5/2012 from www.hp.com and software price as of 8/5/2012 from www.vmware.com. $130,000 in savings based on $6,617 savings per server x 21 servers per rack. SVR-215

(2) Based on price and performance evaluations of systems with VMmark 2.1 scores posted as of 8/5/2012. Systems includes 2 x AMD Opteron™ processors Model 6284SE in HP DL385 Gen8 server posting a VMmark 2.1 score of 8.31 @ 8 Tiles per 2 host systems with 32 VMs per server and including 128GB (8x16 GB DDR3-1600) memory, 1x15K 450GB SAS HD, and base warranty at a cost of $8,908 for server hardware and $6,990 for VMware vSphere Enterprise Plus software; 2 x Intel Xeon E5-2690 processors in HP DL380p Gen 8 server posting a VMmark 2.1 score of 11.05 @ 10 Tiles for two host systems with 40 VMs per server with 256GB (16x16 GB DDR3-1600) memory, 1x15K 450GB SAS HD, base warranty at a cost of $15,525 for server hardware and $6,990 for VMware vSphere Enteprise Plus software. System prices as of 8/5/2012 from www.hp.com and software price as of 8/5/2012 from www.vmware.com. 30% cap-ex expenditure reduction is based on comparison of server costs including software. SVR-213

(3) Based on test done by AMD running with Microsoft Hyper-V and DVD Store, an open source performance tool that includes web and database servers to emulate an ecommerce environment. Servers are running increasing number of VMs from 14 to 38, and increasing utilization rate from 60% to 100%. Systems include 2 x AMD Opteron™ processors Model 6278 in a Dell PowerEdge R715 server running 203,835 operations per minute (OPM) for 14 VMs at 47% utilization to 336,152 OPM for 38 VMs at 99% utilization running 256GB (16X16 GB DDR3-1600) memory, 2x15K 146 GB SAS HD, base warranty with a cost of $12,882; 2 x Intel Xeon E5-2660 processors in a HP ProLiant DL380p Gen8 running 245,562 OPM at 14 VMs at 48% utilization to 312,986 OPM at 38 VMs at 99% utilization in a HP DL380p Gen 8 server, 256GB (16x16 GB DDR3-1600 memory, 2x15K 146GB SAS HD, base warranty with a cost of $15,135. System prices as of 7/28/2012 http://www.hp.com and http://www.dell.com. SVR-214

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Source: Advanced Micro Devices