



New HP ProLiant DL370 G6 is #1 in 2P virtualization



HP Leadership

96 virtual machines
Best 2P virtualization



HP ProLiant DL370 G6

Customer Value

What are the benefits of using the HP ProLiant DL370 G6 for virtualization?



HP understands our customers' business needs and is best equipped to deliver a consolidation solution to fit those needs.

The industry's best performing 2-processor server is the best candidate for virtualization applications. With 18 memory sockets for up to 144 GB memory capacity and 9 I/O expansion slots, the DL370 G6 provides ample I/O and memory to support virtualization needs.

The rack form factor is 1U less in height than its predecessor the ML370 G5 when deployed with the G5 rack mount option.

The newly redesigned 4U DL370 G6 is also available in a tower form factor, the ML370 G6.

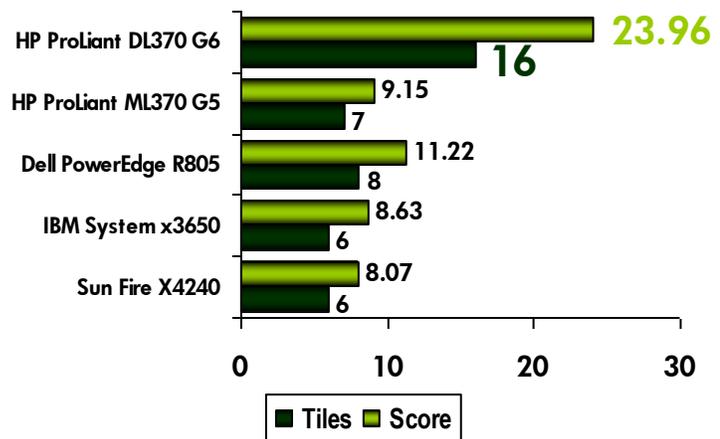


Key Points

- The new 2-socket HP ProLiant DL370 G6 with the new Intel W5580 3.2-GHz processors is the highest performing 2-processor server on the VMmark benchmark with a score of **23.96@16 tiles**.
- Achieves more than twice the performance compared to previous generations.

Figure 1. VMmark benchmark comparison

Top 8-core results from HP, Dell, IBM, Sun



Results as of 03-30-09

Each tile is a collection of 6 diverse workloads each running its own virtual machine

Technology for Better Business Outcomes

Table 1. VMmark configuration for system results.

System Description	VMmark Version	Score	Published Date
HP ProLiant DL370 G6 Intel® Xeon® W5580 3.2 GHz 2 sockets/8 cores/16 total threads 96 GB RAM	VMmark v 1.1 VMware ESX build 148783	23.96@16 tiles	03/30/09
HP ProLiant ML370 G5 Intel Xeon X5470 3.33 GHz 2 sockets/8 cores/8 total threads 48 GB RAM	VMmark v 1.1 VMware ESX v3.5.0 Update 3 BETA	9.15@7 tiles	10/09/08
Dell PowerEdge R805 Quad-Core AMD Opteron 2384 2.7GHz 2 sockets/8 cores/8 total threads 64 GB RAM	VMmark v1.1 VMware ESX V3.5.0 Update 3 BETA	11.22@8 tiles	11/12/08
IBM System x3650 Quad-Core Intel Xeon X5460 3.16 GHz 2 sockets/8 cores/8 total threads 32 GB RAM	VMmark v 1.1 VMware ESX v3.5.0 Update 1	8.63@6 tiles	09/02/08
Sun Fire X4240 Quad-Core AMD Opteron 2360SE 2.5 GHz 2 sockets/8 cores/8 total threads 32 GB memory	VMmark v 1.1 VMware ESX v3.5.0 Update 1	8.07@6 tiles	10/23/08

Test results as of 03-30-09. For more details, please visit: <http://www.vmware.com/products/vmmark/results.html>

What VMmark measures

The VMmark benchmark is intended to measure the performance of virtualized servers on a system under test (SUT) so that customers can compare the capabilities of different platforms for virtualization. VMmark represents the performance of virtual machines within a server running VMware ESX and a set combination of operating systems and applications reflecting a typical datacenter environment. VMmark uses a collection of 'sub-tests' derived from commonly used load-generation tools as well as from benchmarks developed by the Standard Performance Evaluation Corporation (SPEC®). VMmark uses workloads that represent common applications in datacenters. It is important to note that VMmark is designed to benchmark the performance of the virtualization software and the hardware, and is not designed as a benchmark of any other software component.

For more information

HP ProLiant DL370 G6 server: www.hp.com/servers/dl370-g6

HP VMware information: <http://www.hp.com/go/vmware>

An HP authored overview of the VMmark benchmark on HP ProLiant servers and server blades:

ftp://ftp.compaq.com/pub/products/servers/benchmarks/VMmark_Overview.pdf

VMmark overview: <http://www.vmware.com/products/vmmark/overview.html>

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