Win-Win Situation: HP ProLiant DL380 G6 achieves two world record results
ProLiant DL380 G6 hammers IBM POWER6 processors on Oracle E-Business Suite Payroll benchmark

- #1 overall result on Oracle E-Business Suite Release 12 Payroll Benchmark – Large/Extra-Large Model
- #1 overall result on Oracle E-Business Suite Release 12 Payroll Benchmark – Medium Model
- Beat performance of equally-configured IBM servers by more than 10%.

HP performance brief

Benchmark: Oracle E-Business Suite Release 12 Payroll

Best performing
Setting more performance records, the HP ProLiant DL380 G6 is the #1 OVERALL performance server on the Oracle E-Business Suite Release 12 Payroll Benchmark for both Large/Extra Large Model and Medium Model.

A victory over IBM POWER6
The HP ProLiant DL380 G6 Medium Model performance result defeated the IBM BladeCenter JS22 with POWER6 processors with over 46% increased performance.

Over 400,000 Employees/Hour transactions
The ProLiant DL380 G6 processed 401,449 Employees/Hour transactions in the Extra Large/Large Model benchmark, the highest performance ever.

HP and Nehalem processor power
The ProLiant DL380 G6 servers, together with Intel Nehalem processors, offer customers the best performance advantage. Nehalem processors intelligently maximize performance to match workloads. The results highlight the great performance benefit of ProLiant DL380 G6 Nehalem processors over competitors.

ProLiant DL380 G6 = Leader
Figure 1: In an apples-to-apples comparison, the HP ProLiant DL380 G6 beat the IBM System x3550 M2 by more than 10% increased performance in both benchmarks.

Large/Extra Large Model

![Chart showing HP ProLiant DL380 G6 vs IBM System x3550 M2 performance]

Figure 2: In addition, the ProLiant DL380 G6 trounced the IBM BladeCenter JS22 by 46% in the Medium Model benchmark.

Medium Model

![Chart showing HP ProLiant DL380 G6 vs IBM System x3550 M2 vs IBM BladeCenter JS22 performance]

More information about Oracle E-Business Suite results can be found at the following web page:
Results valid as of Dec. 1, 2009
**Benchmark comparisons**

**Table 1: HP Quad-Core, 2 processor configurations and results vs. IBM on the Oracle E-Business Suite Release 12 Payroll Benchmarks.**

<table>
<thead>
<tr>
<th>HP ProLiant DL380 G6</th>
<th>IBM System x3550 M2</th>
<th>IBM BladeCenter JS22</th>
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<tbody>
<tr>
<td>2 x 2.93GHz Intel® Xeon™</td>
<td>2 x 2.93GHz Intel® Xeon™</td>
<td>2 x 4.0GHz POWER6™</td>
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<tr>
<td>X5570 Quad-Core processors</td>
<td>5500 Quad-Core processors</td>
<td>Dual-Core processors (4-cores)</td>
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<td>(8-cores)</td>
<td>(8-cores)</td>
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<td>Employees per Hour</td>
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<td>Large/XL Model</td>
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<tr>
<td><strong>401,499</strong> #1 Performance</td>
<td>364,786</td>
<td>157,205</td>
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<td>HP ProLiant has more than</td>
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<td>HP ProLiant has 46% better</td>
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<td>10% better performance</td>
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<td>Employees per Hour</td>
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<td>Medium Model</td>
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<tr>
<td><strong>229,885</strong> #1 Performance</td>
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<td>157,205</td>
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**The ProLiant Advantage: innovative technology behind the results**

In November 2009 in Cupertino, CA, HP announced new record-breaking results on the Oracle E-Business Suite Release 12 Payroll Large/Extra-Large Model and Medium Model benchmarks with the ProLiant DL380 G6 rack server. The servers were configured with 2 x 2.93GHz Intel Xeon X5570 Quad-Core processors (8 cores), each with 8MB L3 cache and 48GB memory. The servers were running Oracle 10g database and Red Hat Enterprise Linux 5 (64-bit) operating system.

Also included behind the scenes of these results are many high quality HP storage products such as the HP Smart Array P410i Controller and StorageWorks EVA6400 disk array.

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**Appendix A**

**HP ProLiant DL380 G6 and competitor configurations**

**HP ProLiant DL380 G6 results on Oracle E-Business Suite R12 Payroll Benchmark - Large/Extra Large Model and Medium Model:** With results submitted in November 2009, Oracle and Hewlett-Packard conducted benchmarks in Cupertino, CA to measure the batch performance of the Oracle E-Business Suite Payroll Benchmark processes in an environment running Oracle E-Business Suite R12 (RUP 4) with Oracle10g database (10.2.0.3) for the Linux operating system on a Hewlett-Packard ProLiant DL380 G6 server configured with two 2.93GHz Intel® Xeon X5570 Quad-Core processors (8-cores total) and 48GB memory, running Red Hat Enterprise Linux 5 (64-bit) OS. A single HP StorageWorks EVA6400 disk array was used for storage.

**IBM System x3550 results on Oracle E-Business Suite R12 Payroll Benchmark - Large/Extra Large Model and Medium Model:** With results submitted in September and October 2009, Oracle and IBM conducted benchmarks in San Mateo, CA to measure the batch performance of the Oracle E-Business Suite Payroll Benchmark processes in an environment running Oracle E-Business Suite R12 (RUP 4) with Oracle10g database (10.2.0.3) for the Linux operating system on an IBM System x3550 M2 server configured with two 2.93GHz Intel® Xeon 5500 Quad-Core processors (8-cores total) and 64GB memory, running Red Hat Enterprise Linux 5 (64-bit) OS. A single IBM Storage System DS4700 disk array was used for storage.

**IBM BladeCenter JS22 results on Oracle E-Business Suite R12 Payroll Benchmark - Medium Model:** With results submitted in January 2009, Oracle and IBM conducted a benchmark in Beaverton, OR to measure the batch performance of the Oracle E-Business Suite Payroll Benchmark processes in an environment running Oracle E-Business Suite R12 (RUP 4) with Oracle10g database (10.2.0.3) for the AIX® operating system on an IBM BladeCenter JS22 (POWER6) server configured with two 4.0GHz POWER6 Dual-Core processors (4-cores total) and 32GB memory, running AIX® 6.1 TL01 (64-bit) OS. A single IBM System Storage DS4800 disk array was used for storage.
Technology for better business outcomes

To learn more, visit

HP ProLiant DL380 G6:  www.hp.com/servers/proliantdl380g6
HP ProLiant Benchmark results:  www.hp.com/servers/benchmark