A new record-setting benchmark result

IBM Netfinity and SAP R/3 - 1200 SD Benchmark Users

Unreached industry leading performance and availability. A new record-setting benchmark result.

The IBM Netfinity has achieved record-setting benchmark performance results. Running the SAP R/3 Standard Application Sales and Distribution (SD) benchmark, the new server achieved a result of 1200 SD benchmark users with 1.75 seconds average dialogue response time on Oracle 7.3.

This represents a throughput of 123,000 fully business process order line items per hour. This record surpasses all previous competitive results using four Intel Pentium Pro 200MHz processors.

IBM Netfinity provides customers using industry-standard technologies with the industry’s most reliable foundation for their networked businesses by delivering outstanding power, scalability, control and services. The combination of SAP R/3 for NT with IBM Netfinity gives you a competitive edge in enterprise-wide business automation and supply chain management.

... Just better business
### Benchmark details:
The SAP standard application benchmark performed on September 29, 1997 by IBM in Raleigh, NC, USA, was certified with the following data:

<table>
<thead>
<tr>
<th>Number of benchmark users:</th>
<th>1200 SD (Sales &amp; Distribution)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average dialog response time:</td>
<td>1.75 seconds</td>
</tr>
<tr>
<td>Throughput:</td>
<td>6133 SAPS (368000 dialog steps/h)</td>
</tr>
<tr>
<td>Equivalent to (line items / hour):</td>
<td>123000 processed order line items</td>
</tr>
<tr>
<td>Average DB request time (dia/upd):</td>
<td>0.130 sec</td>
</tr>
<tr>
<td>CPU utilization application server:</td>
<td>59% (dia:65%, upd:48%, msg/enq:31%)</td>
</tr>
<tr>
<td>CPU utilization database server:</td>
<td>96%</td>
</tr>
<tr>
<td>Operating System database server:</td>
<td>Windows NT 4.0 SP3</td>
</tr>
<tr>
<td>Operating System application server:</td>
<td>Windows NT 4.0 SP3</td>
</tr>
<tr>
<td>RDBMS:</td>
<td>Oracle 7.3</td>
</tr>
<tr>
<td>R/3 Release:</td>
<td>3.1 G</td>
</tr>
<tr>
<td>Total disk space:</td>
<td>234 GB</td>
</tr>
</tbody>
</table>

Certification Number: 1997030

### Configuration:

1 Database Server: IBM Netfinity 7000, 4-processor Pentium Pro 200 MHz, 1 MB L2 cache, 2 GB main memory

Application Servers (Total: 13 servers):
- All server are IBM Netfinity 7000 with 1 MB L2 cache.
- 9 Dialog Server: 4-processor Pentium Pro, 200 MHz, 1 GB memory
- 3 Update Server: 4-processor Pentium Pro, 200 MHz, 512 MB memory
- 1 Msg/Enq.Serv.: 4-processor Pentium Pro, 200 MHz, 512 MB memory

Remarks:
Dialog response time distribution: 15% of dialog steps completed in less than 1 second, 65% in less than 2 seconds and 95% in less than 3 seconds.

### IBM Eurocoodination
Tour Descartes
F-92066 Paris La Defense Cedex
France

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When referring to hard drive capacity, MB equals one million bytes and GB mean one billion bytes. Total user-accessible capacity may vary depending on operating environments.

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**World Wide Web**
www.europe.pc.ibm.com/server
www.sap.com

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