

Data Warehousing and Online Transaction Processing — Breakthrough Performance, Scaling and Efficiency

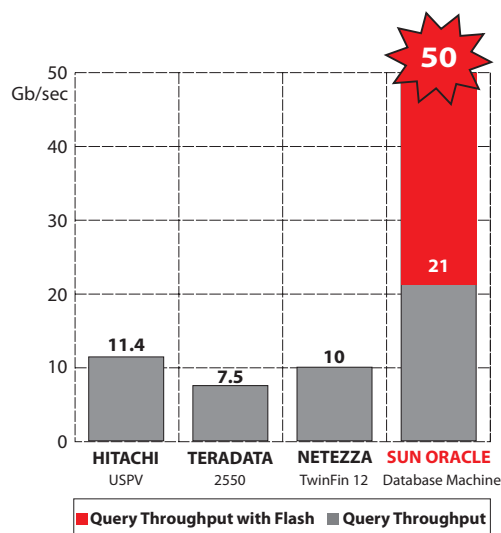


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Mellanox InfiniBand was successively featured in Larry Ellison's keynote at Oracle Open World in 2008 and 2009 regarding the Database Machine and the Exadata I and II platforms (www.oracle.com/us/products/database/exadata/index.htm). The keynote surrounded the following message points:

- Blazing Data Warehousing and Online Transaction Processing performance
 - Large OEM vendors like HP and Sun collaborating with Oracle
 - Large end-users rapidly deploying and enjoying the benefits of lower costs of servers (CapEx) while dramatically improving performance
 - Mellanox InfiniBand is a key enabling technology
- Mellanox InfiniBand – Helps Deliver 10X the Performance at 50% Hardware Cost

Using Mellanox 40Gb/s InfiniBand Oracle RAC query throughput performance can reach 50Gb/s compared to competing solutions that cap off at less than 12Gb/s.



Mellanox 40Gb/s InfiniBand)-based server adapters and switches provide fault-tolerant and unified connectivity between clustered database servers and native InfiniBand storage, allowing for very high efficiency of CPU and storage capacity usage. The result is 50% less hardware cost to achieve the same level of performance.

The InfiniBand network within an Oracle Database Machine and Exadata II is a whopping 880Gb/s, and the high-performance I/O pipe to the Exadata storage array delivers 21GB/s of disk bandwidth, 50GB/s of flash cache bandwidth and 1 million IOPs.

The Mellanox InfiniBand network allows the Oracle Database Machine and Exadata systems to scale to 8 racks of servers and hundreds of storage servers by just adding wires – allowing servicing of multi-petabyte databases at breakneck speeds and a fully fault tolerant and redundant environment.

Sample Customers

Courtesy of Oracle, the following is a sample set of customers using The Oracle Database Machine based on Mellanox InfiniBand products:

- allegro
- Amazon
- BT
- cme (Chicago Mercantile Exchange)
- Countrywide Financial
- Giant Eagle
- KnowledgeBase Marketing
- Mtel
- NPD Group
- O2
- RIM
- Quelle
- Yahoo

For more information over Mellanox Oracle Rack please visit www.mellanox.com