



**NotesBench R6iNotes Executive Summary for  
Sun SPARC Enterprise T5240,  
US T2 Plus 1.2GHz on  
Solaris 10 with Lotus® Domino 7.0.1  
March 2008**

© 2008 Sun Microsystems, Inc. All rights reserved.  
1 Network Drive, Burlington, MA 01803-0903, USA.

# 1: Executive Summary

Sun Microsystems has completed a Notesbench benchmark using the R6iNotes workload on the Sun SPARC Enterprise T5240 Server, 2 chips, 8 core/chip 1.2GHz UltraSPARC T2 Plus processor. The test was executed at the Sun's Engineering Performance Lab - Burlington, MA in March 2008.

The Server Under Test (SUT) was configured with 2 eight core, 1.2 GHz UltraSPARC T2 Plus processor, 128 Gigabytes (GB) of memory, Six STK2540 HW RAID storage Arrays and Eight STK2501 JBOD Extension storage Arrays, each with twelve 143 GB, 15Krpm drives configured as a single RAID1+0 volume using Symantec VxVM Software Volume manager and six 4Gb/sec Qlogic FC HBAs, connected to 6 PCI-E ports. Two 10/100/1000 Mbps Ethernet onboard ports were configured for the benchmark.

The UltraSPARC T2 Plus processor with CoolThreads technology offers up to eight processing cores per chip with eight threads per core of total 16 cores and 128 threads with SPARC V9 implementation.

The Operating System on the SUT was Sun Solaris 10 and the Messaging server Domino release 7.0.1 was configured with 6 partitions.

In addition to the T5240 UltraSPARC T2 Plus system under test, the benchmark configuration included 6 child driver systems running 130 notebnch clients and one parent driver for the NotesBench R6iNotes workload. All driver systems were connected to the SUT via the TCP/IP network. The detailed System setup and configurations are provided in Appendix A.

The R6iNotes workload simulated 65000 active users sending, deleting and receiving e-mails (built with the dwa7.ntf template) via standard HTTP browser. The mail sent by each user is delivered to mail database of the other users on the System Under Test. The results below demonstrates an outstanding achievement of SunFire T5240 UltraSPARC T2 Plus in performance and price/performance with 65000 active NotesBench R6iNotes users at 224 ms Average Response time.

The NotesBench R6iNotes describes the Web Access mail workload as: Every 15 minutes each user reads five messages, deletes two messages, and every ninety minutes it sends 1 new mail message (average message and attachment size is 100KB) and calendar invitation to 3 recipients.

R6iNotes Web Access combines the simplicity and universality of a Web browser with the power of an enterprise-class, full-featured application giving Web browser users access to e-mail, calendar, group scheduling, to-do list, invitation and appointments. NotesBench offers an objective way to evaluate the performance of different Mail Servers Under Test using different platforms running Lotus Domino.

The benchmark results are summarized below:

<b>NotesBench Workload</b>	<b>Users Supported</b>	<b>NotesMark</b>	<b>Average Response Time</b>	<b>Price per User</b>	<b>Price per NotesMark</b>
<b>R6iNotes</b>	<b>65000</b>	<b>55101</b>	<b>224ms</b>	<b>\$2.84</b>	<b>\$3.35</b>

