



**NotesBench R6iNotes Disclosure Report
for SunFire T2000, Ultra SPARC T1, 1.2GHz
on Solaris 10 with Lotus® Domino 7.0
March 2006**

Section 1: Executive Summary

Sun Microsystems has completed a Notesbench benchmark using the R6iNotes workload on the Sun Fire T2000 Server, 8 core 1.2GHz UltraSPARC T1 processor. The test was executed at the Sun's Engineering Performance Lab - Burlington, MA in November 2005.

The Server Under Test (SUT) was configured with one eight core, 1.2 GHz UltraSPARC T1 processor, 32 Gigabytes (GB) of memory, two HW RAID Fibre Channel SS3510 storage devices, one with twelve 73 GB, 15Krpm disks and other with twelve 146 GB, 10Krpm disks configured as RAID1 volumes and two 10/100/1000 Mbps Ethernet onboard ports.

The UltraSPARC T1 processor with CoolThreads technology offers up to eight processing cores with four threads per core with SPARC V9 implementation.

The Operating System on the SUT was Sun Solaris 10 and the Messaging server Domino release 7.0 was configured with 4 partitions.

In addition to the T2000 UltraSPARC T1 system under test, the benchmark configuration included 3 child driver systems running 38 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 19,000 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 T2000 UltraSPARC T1 in price/performance with 19000 active NotesBench R6iNotes users at 400 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 97KB) 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:

NotesBench Workload	Users Supported	NotesMark	Average Response Time	Price per User	Price per NotesMark
R6iNotes	19000	16061 transactions per minute	400 ms	\$3.94	\$4.50