



**NotesBench R6iNotes Disclosure Report
for SunFire X4200 M2, AMD Opteron 2220 SE, 2.8GHz
on Red Hat Enterprise Server Linux 4.0, 64-bit with
Lotus® Domino 7.0
January 2007**

Section 1: Executive Summary

Sun Microsystems has completed a Notesbench benchmark using the R6iNotes workload on the Sun Fire X4200 M2 Server, 2 dual core sockets at 2.8GHz AMD Opteron 2220 SE processor. The test was executed at the Sun's Engineering Performance Lab - Burlington, MA in January 2007.

The Server Under Test (SUT) was configured with two dual core, 2.8 GHz AMD Opteron 2220 SE processors, 16 Gigabytes (GB) of memory, two StorageTek SS3320 SCSI JBOD storage devices, each with twelve 146 GB, 15Krpm disks configured as a single RAID0+1 volume and two 10/100/1000 Mbps Ethernet onboard ports.

The Operating System on the SUT was Red Hat Advanced Server Linux 4.0, 64-bit and the Messaging server Domino release 7.0 was configured with 3 Domino partitions.

In addition to the AMD Opteron X4200 M2 system under test, the benchmark configuration included 3 child driver systems running 34 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 17000 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 X4200 M2 AMD Opteron system in price/performance with 17000 active NotesBench R6iNotes users at 496 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	17000	14347	496ms	\$2.66	\$3.15