



**NotesBench R6iNotes Disclosure Report  
for SunFire V890 1.8 GHz  
Ultra SPARC IV+ on Solaris 10  
with Lotus® Domino 7  
July 2006**

# Section 1: Executive Summary

Sun Microsystems has completed a Notesbench benchmark using the R6iNotes workload on the Sun Fire V890, 1.8GHz UltraSPARCIV+ processors. The test was executed at the Sun's Engineering Performance Lab - Burlington, MA [March 2006].

The Server Under Test (SUT) was configured with eight dual-threaded, 1.8GHz UltraSPARC-IV+ processors, 64 Gigabytes (GB) of memory and five HW RAID SS3510 storage devices (each with twelve 73 GB, 15Krpm disks in RAID 0+1 configuration).

The Operating System on the SUT was Sun Solaris 10 and the Messaging server Domino release 7 was configured with 4 partitions.

The R6iNotes workload simulated 40,000 active users sending, deleting and receiving e-mails 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 SunFire UltraSPARCIV+ achievement in price/performance with 40,000 active NotesBench R6iNotes users at subsecond response time with very large number of the users per processor.

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.

The R6iNotes Web Access mail workload though similar to R6mail workload it creates significantly higher load on the server machine due to stateless nature of the HTTP protocol. 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.

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>
R6iNotes	40000	33862 transactions per minute	324 ms	\$7.19	\$8.49