



**To Whomsoever It May Concern**

This is to certify that the **eBaoTech, China** has satisfactorily tested their **GeneralSystem V3.1.2** Application software at HP Competency Center, Korea.

Following System Configurations were used:-

Database Server Machine	
Type of Processor	Intel Itanium Processor
Server Type and quantity	2 Hardware partitions (nPars) on HP Superdome
Processors (Cores)	4 Dual-Core (8 cores) 1.6GHz Itanium Processor per partition
Physical Memory	64 GB RAM per partition
LAN Connection	4 x 1 Gigabit Ethernet per partition
OS	HP-UX 11.31
Database Software	Oracle database 10g Enterprise Edition 10.2.0.4 (Real Application Cluster)
Application Server Machine	
Type of Processor	Intel Xeon Processor
Server Type and quantity	3 x HP Proliant DL 380 G5 Server
Processors (Cores)	2 x Quad-Core (8 cores) Xeon 3.1 GHz Processor per server
Physical Memory	8 GB RAM per server
LAN Connection	2 x 1 Gigabit Ethernet per server
OS	RedHat Linux 5.0
Middleware	BEA Weblogic 9.2
Disk Storage	
Model	EVA8400
Cache Size	22GB
Quantity	1
Feature	1.5TB of usable space of RAID10

The test has been conducted in a simulated environment under Mercury load runner application 8.0.

No of Concurrent Users	: 5,000
No of In-force Policies	: 5.3 Million
No of Customers – Populated in the Database	: 4.5 Million



Hewlett-Packard Korea Ltd.  
HP Korea House, 23-6 Yoido-dong,  
Youngdeungpo-gu, Seoul 150-724, Korea  
Tel 2199-0114 Fax 784-7084

## Summary of Results

**Throughput:** The throughput is tested for insurance business transactions for NewBiz, Claims and ARAP modules. The measure is throughput of the database server in processing No of transactions/hour. The database server is populated with 5.3 Million policies. Following are the below modules processed simultaneously in 01 hour and the number of transactions achieved respectively.

### **Throughput (Transactions Mixed) Results:**

NewBiz	: 10, 771 /hour
Claims	: 2,619/hour
ARAP	: 2,547 /hour

**User Response Time:** The response time is tested for a user to perform key steps in a business operation, which are identified as complex in the modules (NewBiz, Claims, ARAP) in the performance test. Some of the complex operations are Register, Underwriting, Quotation, Calculate policy fee, Assessment, etc. The response time tested with 5,000 concurrent users, with 5.3 million policies in the eBaoTech application environment.

### **User Response Time Observed:**

Maximum Response time	: 3.9s
Average Response Time	: 1.3s

**System Utilization:** Following are the utilization details observed during the test conducted on the above mentioned computing environment.

### **Server CPU Utilization Results:**

Average CPU Utilization - Application	: 31 %
Average CPU Utilization – Database	: 39 %

Thanking You,

Dong-Ik, Jang  
Manager - Competency Center  
HP Korea Ltd.