

Encryption Wizard for Oracle - Benchmark
Relational Database Consultants, Inc.
www.relationalwizards.com

September 28, 2008

Performed By:

Advanced Information Systems, Inc.
www.advanis.com

Hardware Platform:

HP AMD Dual Core 2.60 Ghz.
500 Gigabyte IDE Drive; 3 Gigabytes RAM;

Operating System:

Windows Vista

Encryption Wizard Version:

5.2.0.1

Database Platform:

Oracle 10g Version 10.2.0.3

SGA:

Total System Global Area	612368384 bytes
Fixed Size	1292036 bytes
Variable Size	213911804 bytes
Database Buffers	390070272 bytes
Redo Buffers	7094272 bytes

Table Encrypted:

SCOTT.EMP

Column Encrypted:

ENAME

Number of Rows:

One million rows

Encryption Type	Encryption Time	Decryption Time
RDC Obfuscation	00:02:32.11	00:01:35.09
Oracle DES	00:03:49.41	00:01:51.51
Oracle Triple DES	00:03:42.09	00:01:51.04
Oracle AES 128	00:03:20.12	00:01:49.83
Oracle AES 256	00:03:08.47	00:01:53.33