

Name: Object Access and Time Test.

Connection: SCOTT/TIGER

DatabaseName: ExampleDb

Database Table(s): ANY

Files: objlogin.bas, objtst.bas, objtst.exe., objlogin.frm, objoerr.frm, objtst.frm, objvberr.frm, objoerr.frx, objtst.mak

Requirements: Oracle 7 ODBC driver.

Purpose: Compares Oracle data access versus MS data access. The method used for Oracle is "field objects" . The method used for MS is the standard data variables(dynasets and snapshots).

Two connections will be made. The same username and password is used for both.

Select either "Oracle OLE Objects", "MS VB Dynasets" or "MS VB Snapshots" as the Test Type.

You may select the *SQLPassthrough* option for the MS tests. You will notice a speed improvement in Dynaset creation, but remember that dynasets created with SQLPassthrough are not updatable.

You may select the *ReadOnly* option for the Oracle and MS VB Dynaset test. Remember that snapshots are not exactly the same as readonly dynasets since snapshots cause all data to be retrieved. You may select the *NoCache* option for the Oracle Dynaset test. NoCache will not cache any rows locally and should improve performance when traversing a dynaset and referencing the data.

The *standard* test used is to create and traverse a dynaset.

The *Parameter* option will allow you to test Oracle Parameters versus MS Dynaset/Snapshot Creation(since VB has no parameters). You must enter a column name, operator and two values. The first value is used for the first creation and traversal and the second is used for the Dynaset refresh(for Oracle) and recreation for MS. Notice how much faster it is to refresh an Oracle dynaset using parameters than it is to recreate the dynaset/snapshot. You also do not have to recreate the whole SQL statement, just change the parameter value.

The option "Log Traversal" will display all column/row data while traversing the dynaset.

The option "Reference Column Data" will cause an actual reference to the column data, not just a series of MoveNexts.

The data should only be used for relative comparison since network traffic and the test logging itself can affect the timing.