GUI Innovations
SqlLink3000

Access your SQL Databases from
your HPe3000

GUI Innovations
SqlLink3000 - Overview

- SqlLink3000 builds on our base of TCP/IP and migration tools.

- SqlLink3000 has 2 constituents, a multi-threaded data server that runs on your PC server, and a library of callable routines that run on your HPe3000.
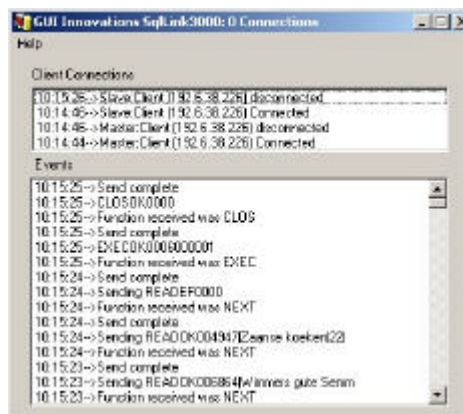
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SqlLink3000 – Program 'calls'

- **SqlConnect** – Connect to the remote data server, and open your database.
- **SqlClose** – close your database and disconnect from your remote data server.
- **SqlExec** – execute a Sql command, i.e. Insert, Update, Delete
- **SqlRead** – initiate a read operation on a table, a view, or linked tables.
- **SqlGetNext** – retrieves the next record from your database
- **SqlGetStringField** – retrieve a string field from your record
- **SqlGetIntegerField** – retrieve a numeric field from your record
- **SqlGetDecimalField** – retrieve a decimal numeric field from your record.

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SqlLink3000 - Server

- Server component is multi-threaded, and caters for logging what is happening

GUI Innovations SqlLink3000 - Sample

```
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===========================

Please enter the IP address of the 'Server' where
SqlLink3000 is running..213.122.63.64
Option 1) Query Like Report
       2) Formatted Report
       3) Grouped query
Enter your option... 2
Product                  Price           In Stock
=======                  =====           ========
Alice Mutton             39.00              0
Aniseed Syrup            10.00             13
Boston Crab Meat         18.40            123
Camembert Pierrot        34.00             19
Carnarvon Tigers         62.50             42
......
Vegie-spread             43.90             24
Wimmers gute Semmelknodel 33.25            22
Zaanse koeken             9.50             36

Start time: 09:43:44:20
End time  : 09:43:45:50

   78 records reported
:
```

Elapsed Time
1.3 seconds

GUI Innovations SqlLink3000 – Complex Query

▌ The SQL select statement is:-

SELECT Customers.Company_Name, Orders.Required_Date,
 Sum(Order_Details.Unit_Price * Order_Details.Quantity)
 AS Order_Value, Count(Order_Details.Product_Id)
 AS CountOfProduct_Id
 FROM (Customers INNER JOIN Orders ON Customers.Customer_Id =
Orders.Customer_Id)
 INNER JOIN Order_Details ON Orders.Order_Id = Order_Details.Order_Id
 GROUP BY Customers.Company_Name, Orders.Required_Date
 ORDER BY Orders.Required_Date DESC

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SqlLink3000 – Complex Query

■ The results are:-

```
Company:     Vins et alcools Chevalier
Date:        01/09/1994
Total Value: 440
No Of Orders: 3


Company:     Hanari Carnes
Date:        24/08/1994
Total Value: 1444.8
No Of Orders: 3


Start time: 09:49:44:50
End time  : 09:49:59:10

  823 records reported
:
```

Elapsed Time
14.6 seconds

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SqlLink3000 – Complex Query

■ Select from 3 linked tables

■ Summarise, group and sort the results

■ Display to the screen

■ 823 records output to screen

■ Time taken – 14.6 seconds

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SqlLink3000 – Requirements

▌ SqlLink3000 uses Microsoft Active Data Objects (ADO).

▌ Runs on a 'windows' system to connect to the database (Preferably NT, 2000 or XP).

▌ Connects to any SQL database for which you have ADO drivers.

▌ Implemented on the HPe3000 as a set of routines in an XL

GUI Innovations
SqlLink3000 - Features

▌ Full read/write access to your SQL databases.

▌ Read from 'views'

▌ Execute stored procedures

▌ Simple to use

▌ Fast and efficient!

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SqlLink3000 – Tell me more!!

▌ Please contact us at http://www.gui3000.com for a fully featured evaluation copy.

▌ Includes the XL, sample COBOL program and sample MS Access database (migrated from Image using GUI3000/ix)