

## SQL Version

Congratulations! Your business is growing, you need a more robust system, you need speed, you need mobility, your transaction volume are 10 folds compared to last years, your current file server based system is unable to handle your transactions volume soon...

Whether you are a existing Realtimme user or not, our Realtimme Enterprise (SQL) version will fit your expanding business needs.

We have 2 products in SQL version:-

- 1) Realtimme POS (SQL) Enterprise versions – currently used by one of our valued customer having more than 20 retail outlets around the island connected “Live” via secured Virtual Private Network (VPN) to the HQ server.

Advantage:

- a. Monitor outlets and sales performance
- b. Better control of stock performance
- c. More efficient inter-outlet transfer
- d. Store manager given greater autonomy to manage store effectively
- e. Better managed price change or promotion with demand
- f. Instant stock information provide better collaboration with supplier
- g. Replenish stocks based on demand, keeping stock optimum
- h. And many more.....

All because of “Live” data and built-in business intelligence tools that comes with the capabilities made available in Realtimme SQL system.

- 2) Realtimme Soho(SQL) – for the more discerning customer who are the early adopters of technology and ready to ride on the internet capabilities that comes with the software.

## BENEFITS OF SQL SERVER

### OPTIMIZE THE PERFORMANCE OF YOUR DATABASE

Increase the performance of your Realtimme accounting application in a networked environment.

At Realtimme, we offer you two solutions to meet your expectations and growing needs.

#### 1. SQL SERVER EXPRESS EDITION

SQL Express is a database engine optimized to improve the performance of operations in a multi-user environment. SQL Express:

- Operates in a « client-server » environment
- Provides robust access to your network
- Optimizes performance with an access 10 times faster than a shared database
- Ensures better data protection due to advanced encryption of passwords
- Ideal for use of your Realtimme software with a wireless network

- Ideal for use of your Realtimme software through the Internet, accessed remotely so your people can be in different parts of a city, country or across the world.

## **2. STANDARD / ENTREPRISE (SQL) EDITION**

For those who desire to benefit from the full power of SQL Server, Realtimme offer the Enterprise SQL edition of Realtimme Accounting that not only includes all the technological advantages of SQL Server but also offers functionality specific to our highest business management edition, such as advanced security elements.

Whether using the SQL Server Express database or a higher edition of SQL Server, you will benefits from the numerous common advantages.

### **HIGH PERFORMANCE AND SCALABILITY**

In many situations, Microsoft SQL Server offers better performance than an Access database. SQL Server also provides support for very large databases, up to one terabyte, which is much larger than the current limit for file-server database of two gigabytes. Finally, SQL Server works very efficiently on Microsoft Windows Servers by processing queries in parallel (using multiple native threads within a single process to handle user requests) and minimizing additional memory requirements when more users are added

### **INCREASED AVAILABILITY**

Using Microsoft SQL Server, you can do a dynamic backup, either incremental or complete, of the database while it's in use. For file-server based system, consequently, you do not have to force users to exit the database to back up data. This means your database can be running up to 24 hours a day, seven days a week.

### **IMPROVED SECURITY**

Microsoft SQL Server can integrate with the Windows Server operating system security to provide a single log on to the network and the database. This makes it much easier for you to administer complex security schemes. An SQL Server database on a server is also better protected because unauthorized users can't get to the database file directly but must access the server first.

### **IMMEDIATE RECOVERABILITY**

In case of system failure (such as an operating system crash or power outage), Microsoft SQL Server has an automatic recovery mechanism that recovers a database to the last state of consistency in a matter of minutes, with no database administrator intervention. Critical applications can be up and running again right away.

### **RELIABLE DISTRIBUTED DATA AND TRANSACTIONS**

Transaction processing is a vital requirement for a system that is designed to support critical applications, such as banking and online order entry. Microsoft SQL Server supports atomic transactions with transaction logging, which guarantees that all changes performed within a transaction are either committed or rolled back.

Consistency and recoverability of a database transaction are guaranteed even in the case of system failure and in the middle of complex updates by more than one user. SQL Server treats all database changes inside a transaction as a single unit of work. By definition, either an entire transaction is completed safely and all resulting changes are reflected in the database, or the transaction is rolled back—and all changes to the database are undone.

Using a two-phase commit protocol, SQL Server can even support synchronized transactions that span more than one server—ensuring that all servers on the network are maintained in a consistent state.

## SERVER-BASED PROCESSING

Microsoft designed Microsoft SQL Server from the beginning as a client/server database. Data and indexes reside on a single server computer that is often accessed over the network by many client computers. SQL Server reduces network traffic by processing database queries on the server before sending results to the client. Thus client/server application can do processing where it's done best - on the server.

Applications can also use stored procedures and triggers to centralise and share application logic, business rules and policies, complex queries, and data validation and referential integrity code on the server, rather than on the client.

## THE FUTURE

All indications from Microsoft seem to indicate that SQL Server will continue to form an increasing important core component of its future strategy. The same can not be said about FoxPro and to a lesser extent Access.

The latest of version of SQL Server allows stored procedures to be written using the DotNet Framework.