

SYSTEM OVERVIEW

The **Client/Server SQL** version of the **System Administrator** module is the ultimate **Infinity POWER** product for those clients requiring maximum capabilities from their accounting system. With all the benefits of **Client/Server** technology, the accounting data is driven by more powerful database engines with more capabilities and tools. This provides management more flexibility and reporting options than ever before!

The **System Administrator Client/Server SQL Version (Part #695)** is an upgrade over the **Standard Version of the System Administrator module (Part #100)**, but incorporates all of the same core features. Therefore, all features outlined in the data sheet for **Part #100** are also **included** in this product.

All **Infinity POWER** data files created using the **Standard Version of the System Administrator** are stored in either a **FoxPro** or **dBase IV** compatible file format. The **Client/Server SQL** version has a utility to easily convert these files to the **SQL** format and back to the **(dbf)** file format again for use with a wide range of third party applications.

As companies continue to become more technology driven, data is increasingly being merged from all sectors of the company. In many cases, the accounting system is the repository of much of the most important information of the business, and that's not counting the obvious, which is the General Ledger financial statements.

As such, providing access to data in an environment where it can be more powerfully manipulated, quickly accessed, massaged, analyzed, mined, queried, and merged is the primary reason any business should consider purchasing the **Client/Server SQL** version of the **System Administrator** module.

If processing core accounting functions and performing daily activity is all that is required, the **Standard Version of the System Administrator** module with the data files in a **(dbf)** file format will accommodate a wide range of business needs and transaction volumes.

Being able to start any business out in this mode and allowing them to upgrade to a radically more sophisticated environment later without a major overhaul in the look and feel of the system and forcing the company into an all new training curve...that's the reason you go with **Data Pro Accounting Software!**

Unlike all other **SQL** based accounting systems on the market, **Infinity POWER** maintains the identical user interface between the standard version of the product and the **Client/Server SQL** product. The difference is so subtle, that if installed overnight on an existing system, the normal user would not realize the difference when they returned to work the next day!

The identical user interface applies to both the Windows Graphical User Interface (**GUI**) users as well as access by web-based users. While other **SQL** based accounting systems can run into the hundreds of thousands of dollars, **Infinity POWER** is a minor upgrade from the standard version of the products and maintains the same user interface throughout.

The only other requirement is the additional purchase of the current versions of the **Microsoft SQL Server** software.

All existing **Infinity POWER** accounting modules, such as **General Ledger, Accounts Payable, Inventory Management and Payroll** automatically convert into an **SQL** version of the products once the **Client/Server SQL** version of the **System Administrator** module is installed and configured on the system. Installation is that easy! The data conversion utility is included, at no additional charge, and it is quite simple to convert all files from a **dbf** file format to the **SQL** format that you have chosen. With these points in mind, let's look at some of the reasons organizations would seek to keep their accounting data in an **SQL** database.

SECURITY

The biggest reason for upgrading to **SQL Server** is "**locking down**" your data files! **SQL** will require users to be authenticated through both the **Infinity POWER Security Administrator** as well as through the **SQL Server**. There is no unauthorized access to your data allowed just through pure network access (*i.e. File Explorer*) otherwise.

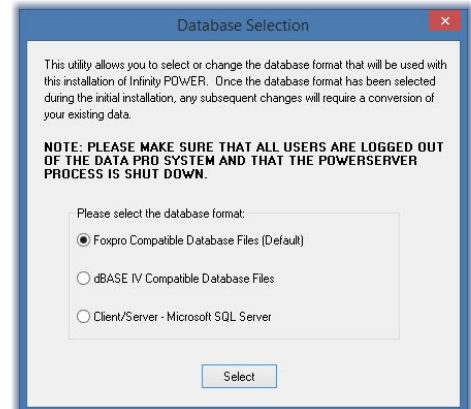
TRANSACTION ROLL BACK

The **SQL** database systems include features which allow the ability to roll data forward and backwards should any errors or corruption ever occur within the data files due to network problems or power loss.

ANALYSIS SERVICES (OLAP)

In the area of Data Warehousing, this allows the Database Administrators (**DBA**) using the tools of the **SQL** database, to perform rapid, sophisticated analysis on large and complex data sets using multi-dimensional storage. Online analytical processing (**OLAP**) is a technology designed to provide superior performance for ad hoc business intelligence queries. **OLAP** is designed to operate efficiently with data organized in accordance with the common dimensional model used in data warehouses.

Overview continued on next page



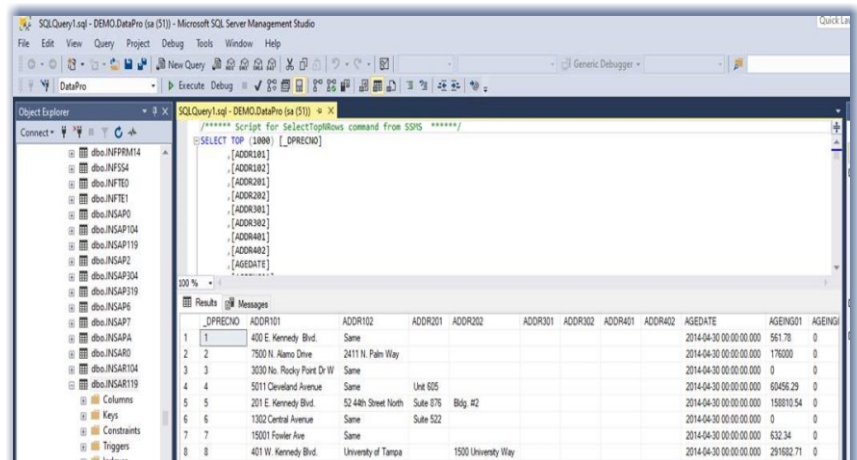
Installing or upgrading to the **Client/Server SQL** product for any version of the **Microsoft SQL Server** is very easy as this screen clearly illustrates. It is simply a choice on a single screen during the standard installation!

A data warehouse provides a multidimensional view of data in an intuitive model designed to match the types of queries posed by analysts and decision makers.

OLAP organizes data warehouse data into multi-dimensional cubes based on this dimensional model, and then pre-processes these cubes to provide maximum performance for queries that summarize data in various ways.

For example, a query that requests the total sales income and quantity sold for a range of products in a specific geographical region for a specific time period can typically be answered in a few seconds or less regardless of how many hundreds of millions of rows of data are stored in the data warehouse database.

OLAP is not designed to store large volumes of text or binary data, nor is it designed to support high volume update transactions. The inherent stability and consistency of historical data in a data warehouse enables **OLAP** to provide its remarkable performance in rapidly summarizing information for analytical queries. In **Microsoft's SQL Server**, Analysis Services provides tools for developing **OLAP** applications and a server specifically designed to service **OLAP** queries.



Once installed, the company's **Database Administrator** now has the tools at the **SQL** database level to administrate the **Infinity POWER** accounting files as shown here within the **Microsoft SQL Server 2017**.

Module Overview

Continued

MODULE OVERVIEW

DATAMINING

This **SQL** feature allows the **DBA** to discover patterns and trends among the data and make predictions about future trends within the business. Data Pro's accounting system is about building and accumulating valid data so that it is obvious what is going on within an organization.

The "data mining" feature within **SQL** assists managers in taking this data and allowing them to predict what could be happening within the firm in the future based on historical trends from all aspects of the company (i.e. *inventory turnover trends, accounts payable volumes, customer sales, order volumes and more*).

ENGLISH QUERY

This **Microsoft SQL** tool enables your **SQL** users to pose questions in English instead of using multi-dimensional expressions. Keep in mind, **SQL** stands for "Structured Query Language."

This means that the database system itself is designed to allow an advanced level of inquiries to take place at the database level to find information located throughout the database. That said, being able to state questions in English rather than commands allows users to more easily recover information.

INDEXED VIEWS

As the **DBA** for the company, it will be more important over time to build "indexed views" which gain performance from your existing hardware by storing query results and thus reducing response times to future queries.

MICROSOFT OFFICE INTEGRATION

Among many other features, users can use the **Pivot Table Services** in Microsoft Excel to enhance their data analysis.

FOR ENTERPRISE DATA MANAGEMENT:

FULL TEXT SEARCH

SQL allows you to use and manage both your structured and unstructured data, including searching through Microsoft Office documents. Assuming web site management is part of your company's needs, this can become an important tool in managing a web site in conjunction with the accounting server.

For instance, some data may be stored in files such as the four lines of Inventory "Description" for each inventory item. However, only the first line of description is an indexed line.

Plus, let's assume you have either user defined fields for each item containing additional fields of information or have another set of tables storing more information on each item. This capability will allow you to easily perform a search throughout the database whether the field is a primary index field or not and display it immediately in reports or to your web pages.

CLICKSTREAM ANALYSIS

This **SQL** feature allows the **DBA** to gain a deeper understanding of "on-line" customer behavior so you can make better business decisions.

HIGH AVAILABILITY

Maximize the availability of your business applications with log shipping, on-line backups, and failover clusters. One of the most important aspects of having an **SQL** server in place is to further assure that your business operations continue to operate on an uninterrupted basis.

SPEED

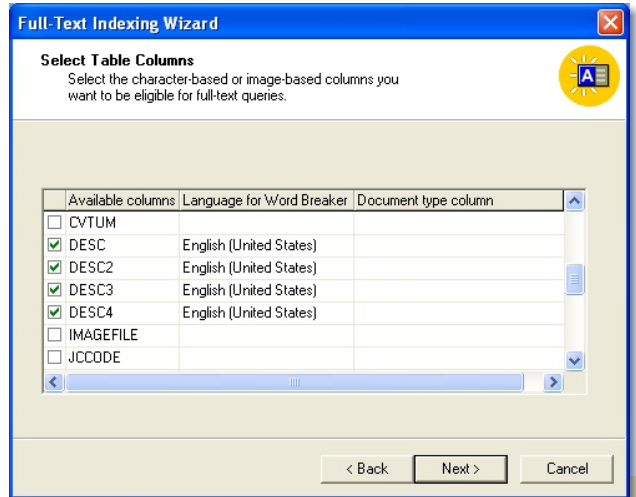
While users should not expect their accounting data processing to significantly increase in speed within the **Infinity POWER** applications, the **SQL** tools outside of the accounting applications can take full advantage of the speed gains on the data access now that it is stored in an **SQL** database.

SIMPLIFIED DATABASE ADMINISTRATION

Automatic tuning and maintenance features enable administrators to focus on other critical tasks. The **DBA** for each company, however, is essential. An **SQL** system is not like running the standard dbf data file-based **Infinity POWER** application.

SQL systems are designed to handle mass volumes of records (*millions of transactions*) and therefore it is incumbent on each business to ensure that the **DBA** for their organization has tuned their **SQL** system to the needs of the company for optimal performance and capability.

These are just a few of the many advanced features an **SQL** system can bring to any organization. Performance, maximization and benefit will require the assistance of a good **DBA** to achieve the best results. Many of the features and **SQL** tools will vary from one **SQL** database to another.



"Full Text Searching" capabilities take on new meaning in an **SQL** environment as shown above. Notice how a simple wizard can assist in selecting from the various fields within the Inventory data tables to include all the descriptions of the inventory items for a complete search in the **SQL** database. The results could end up on a special report or a web site. The choice is yours!

However, the way that the **Data Pro Infinity POWER** applications operate across all platforms is identical. That is what makes our products unique in the marketplace today.

Don't forget that if you are an existing **Data Pro** user, you receive full trade-in value of the **Standard Version** of the **System Administrator** module towards your purchase price of the **Client/Server SQL System Administrator** module!

Therefore, regardless of which version of **Microsoft SQL Server** you are considering, the accounting system should be **Infinity POWER** to ensure you get the right results for your company today and in the future!

Below is a **Microsoft SQL Server Management Studio** screen highlighting how you can create queries using the **Infinity POWER** data files for customized searches.

