

Overview

Picture Perfect® Import/Export is a software product for connecting the Picture Perfect advanced access control system platform to other computer platforms using a synchronous or Local Area Network (LAN) communications. IMPORT means to bring information into the Picture Perfect database from another source. EXPORT means to take information in the Picture Perfect database and place it in a file, and then send the file to another system.

Standard Features

- RPC real-time database integration
- Script-based batch updates
- Real-time field hardware updates

Added Value

The integration of Picture Perfect with other applications, other user databases, and photo-ID systems can provide marked improvements in operational efficiency and accuracy. Integration can reduce security administration time, eliminate redundant operations, decrease duplicate information, and provide for timely and consistent data throughout the organization.

Exporting Information

A typical example might include the export function being used in time and attendance applications, while the data is collected in the Picture Perfect system and the labor control and payroll functions are performed in the requesting system.

Importing Information

The import function can be used by department managers to control the access in their areas of responsibility. An area manager might approve changes on the enterprise's network system, and that in turn requests the update to be made to the Picture Perfect database.

Import/Export Package for Picture Perfect



North America
T (561) 998-6100
T 888-GE-SECURITY
888-(437-3287)
F 561 998 6224
E rs-bctinfo@ge.com

Asia
T 852-2907-8108
F 852-2142-5063

Australia
T 61-3-9259-4700
F 61-3-9259-4799

Europe
T 32-2-725-11-20
F 32-2-721-86-13

Latin America
T 305-593-4301
F 305-593-4300

www.gesecurity.com

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How It Works

Data can be imported by either a system operator command or by a command triggered by the operating system. Import data must be formatted to conform with the Picture Perfect structure.

Export data retrieval from the Picture Perfect database is accomplished through the use of Remote Procedure Call (RPC) or command-line queries using the Structured Query Language (SQL) syntax. Any Picture Perfect database table can be exported, including Alarm History, Badge History, Badge Record, Category, Department and Operator History.

Export is commonly used for reporting history data and exception information to another system. Export can also be used to synchronize common database entries with two or more systems.

Import/Export can be used in both batch and real-time data transfer applications.

Industry Standards and Definitions

Relational Data Base Management System (RDBMS): The data model by which the database is organized. All data is presented in the form of tables composed of rows and columns.

Structured Query Language (SQL): Statements that specify a function. It is usable language for controlling and accessing a relational database. An application sends SQL commands to the database server and the database server sends rows of data back to the application. Informix Dynamic Server is fully compliant with ANSI standards for SQL and is ODBC compliant.

Remote Procedure Call (RPC): This interface enables a client system to execute functions on a remote server as though it is executing locally.

UNIX, Open Systems: Operating systems that consist of several variants and support the RPC; IBM's AIX, Digital Unix, Linux, Sun's Solaris, Hewlett Packard's HP-UX, Microsoft's Xenix, AT&T's System V, and the Berkeley Software Distribution (BSD) versions.

Transmission Control Protocol/Internet Protocol (TCP/IP): Widely accepted communications standard that allows interoperability between new technologies and existing platforms.

Informix: Relational database used by Picture Perfect.

Software Requirements to Write the RPC Interface

- RPC Toolkit for Picture Perfect (included with Import/Export)
- Picture Perfect Import/Export Guide (included with Import/Export)
- 3rd-party RPC and XDR Library
- 3rd-party TCP/IP Socket Library
- 3rd-party 'C' Language compiler and linker

