

SCO INTEGRA RELEASE 1.0

SQL-BASED RELATIONAL DATABASE MANAGEMENT SYSTEM

Query Add Del Update Next Back Jump Screen Table Parent Child More
 Query the database using this form

orders

Order Entry

Order Date 02/01/88 Sales Order 21733 Purchase Order 8880-3512

Customer No. 4566 Cyclone Fence Co. Ship to Cyclone Fence Co.
 1487 Tyco Way 1487 Tyco Way
 San Jose, CA 95124 San Jose, CA 95124

| Item No. | Part No. | Description | Price | Qty | Extension |
|----------|----------|---------------------|----------|-----|-----------|
| 1 | ht976 | 100' X 2" cross-net | \$299.50 | 4 | \$1198.00 |
| 2 | hg332 | 3" X 12' poles | \$59.00 | 3 | \$177.00 |
| 3 | rv887 | yard mixed cement | \$67.00 | 10 | \$670.00 |
| | | | Subtotal | | \$2045.00 |
| | | | Tax | | 141.00 |
| | | | Freight | | \$50.00 |
| | | | Total | | \$2236.00 |

Number of records selected = 1

- ▶ Fully Relational, Providing a High Level of Data Independence
- ▶ ANSI-Standard SQL Implementation
- ▶ High Performance, for Quick Access to Data
- ▶ Compatible with Other Databases and Spreadsheets
- ▶ Integrated Development Tools, for Flexible Creation of Serious Applications

SCOTM IntegraTM is an easy-to-use, relational database management system (RDBMS) designed specifically for XENIX[®] and UNIX[®] Systems. SCO Integra provides features that are critical for reliable multiuser information management and decision support.

Thanks to its menu-driven interface, you can learn to use SCO Integra more quickly than you could other database products and you can access data more quickly too. You can also customize many of SCO Integra's features without writing a single line of code. Online Help facilities are always readily accessible. SCO Integra automatically creates default forms and reports that can be modified easily, even by non-programmers.

SCO Integra uses the command language SQL (Structured Query Language), the industry-standard, non-procedural query facility for database management. In addition, SCO Integra includes a powerful procedural facility that you can use to manipulate tables, perform queries, and execute transactions.

SCO Integra provides the underlying database and querying facilities that allow SQL queries to be performed from SCO ProfessionalTM (SCO's 1-2-3[®] workalike) and SCO Lyrix[®] (SCO's multiuser word processing package.) And, as a member of the SCO Office PortfolioTM family, SCO Integra conveniently exchanges data with SCO Lyrix, SCO Professional, SCO ImageBuilderTM (SCO's presentation graphics package) and other applications. These powerful data-sharing features enable users of other SCO applications to directly access and incorporate database information without time-consuming file conversions.

Whether stand-alone or as an SCO Office Portfolio application, SCO Integra can be used proficiently by either programmers creating serious applications or office workers wanting an easy-to-use tool for tracking and reporting data.

Fully Relational

SCO Integra provides a high level of data independence, as well as the capability to manipulate data using relational operators. It lets you view data conceptually as flat tables. Irrespective of how the data is physically stored, you can view it through a consistent and logical user interface.

SCO Integra includes sophisticated recovery methods that ensure complete data integrity at all times. The optional transaction journaling feature allows you to log all database changes into journal files. You can use these journal files not only to provide complete audit trails, but also to "roll back" incompletely posted transactions or "roll forward" transactions into a database after a system failure.

ANSI-Standard SQL

SQL (Structured Query Language) is a command language whose powerful commands operate on entire sets of data at a time, rather than following the procedural, record-at-a-time approach of network and hierarchical databases.

All operations on an SCO Integra database are translated into SQL statements by SCO Integra before they are executed. Used for defining databases and manipulating their data, SCO Integra's SQL offers a superset of ANSI Level 1 compatibility.

High Performance

SCO Integra is fast and easy to use. Its underlying X/Open®-compatible data access method, SCO ISAM, has been finely tuned to provide you with the extra speed you need.

With SCO Integra, you can also create nested queries. For example, you can make queries on the result of other queries. This feature gives you fast access to data, helping you make decisions more quickly.

Compatibility

SCO Integra provides a utility for converting data files and applications from an Informix® version 3.3 database to SCO Integra. This utility reads an Informix schema file and creates an SQL script that you can use to easily create an identical table in SCO Integra. SCO Integra can also directly use ACE™ report scripts and PERFORM™ form scripts.

With SCO Integra, you can export to or import from other applications, such as spreadsheets or databases from other database management systems. SCO Integra can automatically convert data to and from the following:

- ▶ Programs that use the .DBF format, such as dBASE II®, FoxBASE™ and SCO FoxBASE.
- ▶ Programs that use the .WKS format, such as Lotus® 1-2-3® and SCO Professional.™
- ▶ Programs that can use or convert delimited ASCII files.

Integrated Development Tools

SCO Integra supports multiple programmatic interfaces, including a powerful procedural facility called "Application Development Library" (ADL). ADL is a library of C-language subroutines that you can use to manipulate tables, perform queries, and execute transactions.

Also available are embedded SQL routines that permit programs written in C or COBOL to access SCO Integra databases. These precompilers translate embedded SQL statements into programming-language source code, so that you can use familiar programming languages to access or manipulate data in SCO Integra databases.

General Specifications

- ▶ Maximum # fields per table: 256
- ▶ Maximum # characters per field: 2048
- ▶ Maximum # records per table: system-dependent
- ▶ Maximum # indexes per table: unlimited
- ▶ Maximum # fields per index: 9
- ▶ Maximum length of an index: 120
- ▶ Maximum size of a record: 2048

Minimum System Requirements:

- ▶ RAM: 1.5 Mbytes recommended
- ▶ Hard Disk: 5 Mbytes (for SCO Integra programs only)

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