

DATA SHEET

Cincom continues to enhance its SUPRA Server SQL database management product to provide easier database administration, improved operational efficiencies and greater access flexibility.

SUPRA Server SQL is the only relational database management system that can meet the goals of high performance and cross-platform integration. It meets these goals by supporting:

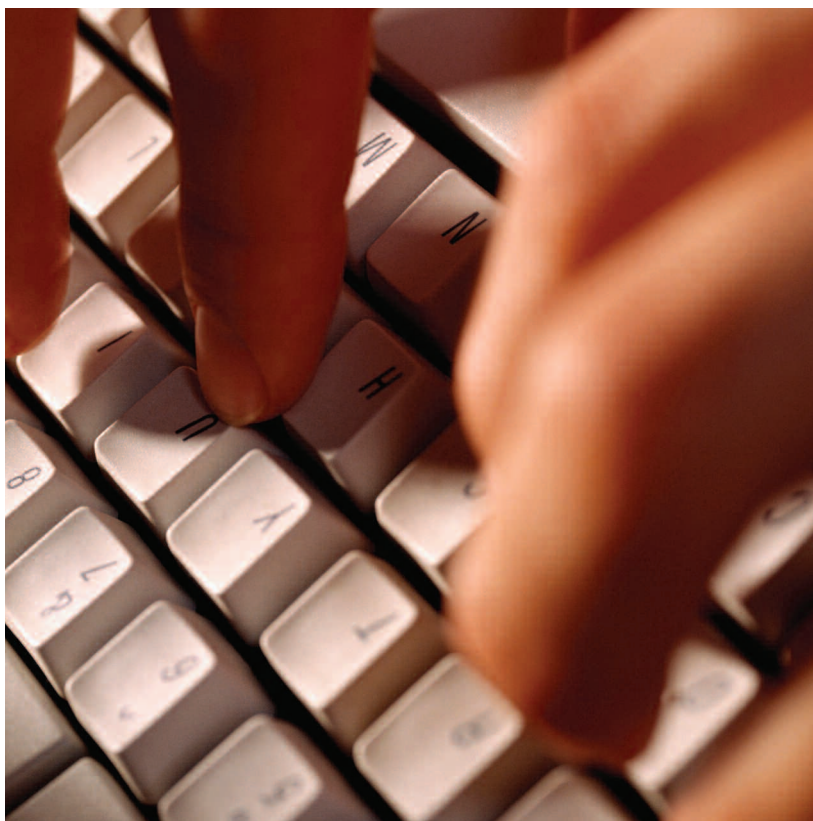
- Microsoft's Open Database and Java Database connectivity for a wide range of tools and applications for the implementation of client/server production systems.
- Linux for both client and server implementations.

SUPRA Server SQL is ideal for the Information Systems organization using a mainframe, especially if it is pressed to:

- Continue providing the high performance of mainframe-based enterprise systems.
- Integrate departmental client/server systems.

SUPRA® Server SQL

The high-performance relational database management system



Release 2.9.20 offers major new features

- Enhanced performance
- Security enhancements
- New commands and data types
- Database tuning enhancements
- And more...

Release 2.9.20 features

Enhanced performance features

- High Speed Save Restore (HSSR) improvements
- Increased maximum number of supported data buffers
- Outer join query optimization
- Optional compression of TCP/IP packets
- Read-ahead buffering for pre-reading of tables
- Improved deferred optimization of queries using host variables
- Improved optimization for joins of more than four tables
- Enhanced usage of secondary indexes with ORDER BY clause

Security enhancements

- Mix-case password support
- HELPDESK option on CREATE/ALTER USER to enable designated users to change other users' passwords

New commands and data types

- New parameters for the SHOW command
- New ANSI-standard TIMESTAMP data type
- New and enhanced DATE and TIME functions
- New ALTER DEVICE RESTORE DIRECT
- New ALTER LOG SIZE
- SET CREATE INDEX ON/OFF
- SET TIMEOUT OFF
- ANSI C tolerance for C++ in standard C pre-compiler

Database tuning enhancements

- SQLTIMEOUT – display tables that get LOCK and REQUEST TIMEOUTs
- SQLTIMECOMMANDS – display commands that execute longer than a specifiable time threshold
- SQLCMDTRACE – dump out all SQL packets and return codes
- Monitor I/O rate using the new SQLSHOWIO environment variable

And more ...

- Windows client enhancements:
 - Scroll bar and mouse wheel support
 - Support for mouse double click
 - Support of cut/copy/paste
 - Delete key deletes all selected area
 - Support for IBM compatibility mode
 - Support for the keypad to be function keys
- Improved the time to:
 - RESTART the database following a system crash or database abnormal termination
 - Process the RESTORE LOG(s) during database recovery
- In UNIX/Linux, the ability to download and install Service Packs (product updates) using new xupdate utility



Product overview

SUPRA Server SQL is Cincom's advanced, ANSI-compliant relational database management system for the deployment of high-performance, data access applications. SUPRA Server SQL's roots in high-performance mainframe production systems make it the ideal choice for deployment of these applications across a wide range of platforms including IBM mainframes, OpenVMS Alpha, UNIX, Linux and Windows.

SUPRA Server SQL is the only relational database management system that can meet the goals of high performance and cross-platform integration. SUPRA Server SQL is ideal for the organization that is using a mainframe for its primary database systems and is considering the integration of that system with departmental client/server systems.

In addition, SUPRA Server SQL's support of Microsoft's Open Database Connectivity (ODBC) and Java Database (JDBC) standards makes available a broad range of Windows-based, ODBC- and JDBC-compliant tools and applications for the implementation of client/server production systems.

Improved database access

SUPRA Server provides a variety of interfaces to the data in a database. In SUPRA Server SQL, all database access is SQL-based including creating and defining schemas, managing data access from within application programs, and monitoring database functions. SUPRA Server SQL provides a number of SQL extensions that make it far more usable than ANSI-standard SQL. Some of these extensions implement the advanced relational design, such as statements for creating primary keys and domains and for defining referential integrity constraints. Other SUPRA Server SQL extensions enhance performance and increase programmer productivity.

End-users and programmers who do not know SQL can also use SUPRA Server. For these users, SUPRA Server provides tools that dynamically generate the required SQL statements. End-users can use these tools to query the database, and programmers can use them to prototype the SQL statements they need to include in their programs.

Major features

- **Extendibility.** You can add new technologies such as multimedia, object-oriented, and new hardware and software to the base technology without disrupting existing applications and operations.
- **Connectivity.** Any SUPRA Server client can access information either directly or indirectly via a distributed transaction.
- **Interoperability.** SUPRA Server can provide its share of data with other data managers such as Oracle, Sybase, Ingres, and Informix.
- **Portability.** SUPRA Server provides data management services that are identical across operating platforms. This allows the interchange of hardware without changes in software.
- **Internationalization.** Users can work in their native language and develop systems that support local requirements.

Supported platforms for 2.9.20

Hardware	Operating system(s)
Alpha	OpenVMS
HP	HP/UX
NCR	NCR-UNIX
Intel	SCO
Intel	UNIXWARE
Intel	Linux - Red Hat
Intel	Windows NT 4.0, 98, 2000, XP, ME
RS/6000	AIX
zSeries	VSE/ESA
zSeries	z/OS
SPARC	Solaris
SPARC	SunOS

About Cincom

For nearly 40 years, Cincom's software and services have helped thousands of clients worldwide simplify the management of complex business processes. Cincom specializes in the areas of business where simplification brings the greatest value to managers who want to grow revenue, control costs, minimize risk and achieve rapid ROI better than their competitors. Cincom serves clients on six continents including BMW, Citibank, Boeing, Northwestern Mutual, Federal Express, Ericsson, Penn State University, Milacron, Siemens, Rockwell Automation and Trane.

For more information about Cincom's products and services, contact Cincom at 1-800-2CINCOM (USA), 1-513-612-2769 (International), send an e-mail to info@cincom.com, or visit the company's website at www.cincom.com.

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