QuickSelect-J is a performance enhancement tool, providing significant performance improvement for Java applications accessing databases via JDBC. Using smart caching techniques, QuickSelect-J optimizes access to tables which are not updated frequently, e.g. read-only tables, and especially reference tables. Since such tables are usually accessed very often, using QuickSelect-J dramatically reduces database access time. QuickSelect-J uses local storage for the cache, thus saving all the overhead of accessing the RDBMS, including network time, authorization checks, etc. QuickSelect-J is completely transparent to the application. In addition, QuickSelect-J may be used with any JDBC-compliant RDBMS (including Oracle, MS-SQL Server, UDB, etc.)

QuickSelect-J was developed by Log-On software, relying on the experience gained during development of previous products, QuickSelect and DPT. QuickSelect is a performance enhancement tool for C and COBOL programs accessing Oracle via PRO-C, which uses the same techniques as QuickSelect-J. It is used in many of Amdocs' systems, and installed in over 60 sites worldwide. DPT is a management system for reference tables, providing extremely fast access to data in local memory. DPT is installed in numerous mainframe sites in Israel.

## A Quick Look at Quick-SELECT:

- Improves Oracle Performance without having to modify application's original code.
- Reduces application runtime by factor of 70% and more!

## How does it work?

Through the intelligent use of sophisticated caching techniques and unique algorithms developed in-house at Log-On, Quick-SELECT enhances relational database performance by saving time and network traffic in the following:

- CPU and idle time for a program that issues SELECT statements
- System overhead for interfacing with the DBMS engine
- Network overhead when accessing remote databases
- CPU and I/O of the database server, reducing its workload and consequently improving overall system-wide database performance

With Quick-SELECT, the advantages are easy to see:

- Performance improvement - for most common database accesses
- Transparency - no changes in source programs are required
- Quick and easy installation - due to Quick-SELECT's non-intrusive nature, no special skills are required, and almost no customization
- Proven - in widespread use by major telephony providers around the world