

Improve performance of existing application using CSQL Cache

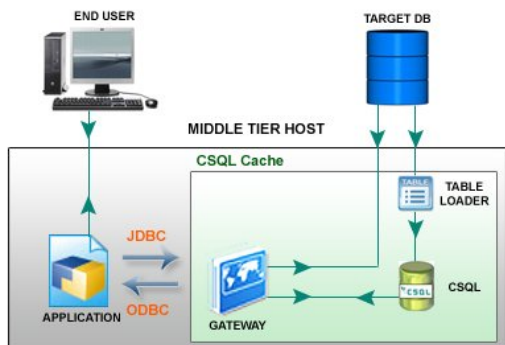
CSQL Cache is generic database caching platform to cache frequently accessed tables from your existing open source or commercial database management system (Oracle, MySQL, etc) close to application tier. It uses the fastest Main Memory Database (CSQL MMDB) designed for high performance and high volume data computing to cache the table and enables real time applications to provide faster and predictive response time with high throughput.

Why CSQL Cache?

With the speed of business increasing, and the volume of information that enterprises must process growing as well, businesses in many industry domains need to make transition to real time data management in order to stay competitive.

Though there is huge demand for speed, enterprises are reluctant to migrate their applications, as they do not want to give up the existing database systems they are using for many years that are proven stable in their environment.

CSQL Cache works in conjunction with existing database management system and provides application flexibility to use feature rich existing database functionalities and high performance CSQL MMDB based on the performance requirement on per table basis.



Frequently accessed tables (which require high performance) are cached in CSQL MMDB while other tables are left in existing database.

Quick Facts

- 100X faster access for cached tables
- Application transparent caching
- Distributed caching for cluster
- Flexible deployment options
- Standard Support: JDBC, ODBC, SQL
- Automatic Fail over to target database

CSQL Cache acts as gateway for applications to access cached tables from CSQL MMDB and other tables from existing database transparently.

Benefits

Performance

CSQL Cache delivers 100 times faster response time for cached tables as it uses fastest MMDB for caching and there is no network overhead.

Scalability

Leverages multi core and processor architecture machines by using CSQL MMDB. For more information refer CSQL MMDB data sheet.

Stability

Enterprises do not take the risk of trying another database management system. CSQL works in conjunction with existing database and improves performance of 'hot' tables.

Reduces development effort

Through its standard interface support (ODBC and JDBC), it reduces the learning curve for developers to adopt CSQL in their applications. It requires no

DBA and completely eliminates performance tuning.

By its inherent transparent caching mechanism, no application code changes are required, thereby reducing huge development and testing effort.

Features

Caching Types

Full table
Partial table
Read only table
Bi-directional table updates

Transparent Caching

Access to tables in target database (non-cached tables)
Calls to target database specific features like stored procedures, SQL extensions, are routed transparently to target database

Data Consistency

Operation consistent caching
Transaction consistent caching
Tool to check cache consistency

Update Propagation Modes

Synchronous, Asynchronous

High Availability

Automatic fail over to target db
Automatic recovery
Load balancing with multiple cache nodes

Application Programming Interface
ODBC Level 2, JDBC 2.0, PHP

Deployment options

Transparent Updateable Cache
Read Intensive Cache
Read/Write Intensive Cache
Write Intensive Cache
Bi-directional Distributed Cache
Coherent distributed cache

Refer White paper "Guide to choose caching strategy" for more information

Supported Database Platforms

Oracle, MySQL, Postgres

Industry Applications

Telecom,
Finance, Retail,
HealthCare, Airline,
High traffic web sites

Business Value

Improves ROI by providing business applications process 1 million transaction in less than half a minute.

Seamlessly plugs into the existing architecture with no or minimal changes

Reduces the network bandwidth and load on back end systems

No additional H/W to handle more loads or more customers

For any sales queries
<mailto:sales@csqldb.com>