

# ORACLE COHERENCE FOR C++ 3.5

## KEY FEATURES AND BENEFITS

ORACLE COHERENCE IS THE #1 IN-MEMORY DATA GRID.

### FEATURES

- Access to data and services in the data grid
- Real-time synchronization with the data grid
- Transparent Java-to-C++ data transformation
- Oracle Coherence\*Extend TCP/IP client
- Multicast-free operation
- Automatic load balancing and failover
- Written 100 percent in C++
- Local cache
- Near cache
- Continuous query cache
- HTTP session management for C++ Web applications
- BEA Portal "p13n cache" integration

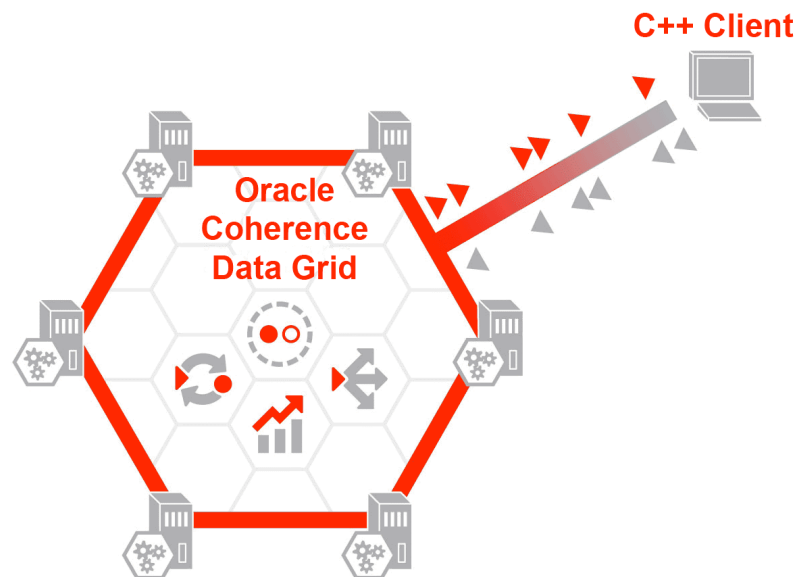
### BENEFITS

- Dynamic, predictable application scalability aligned with business needs
- Improved application performance
- Faster access to data and shorter response times
- Continuous data availability and reliability
- Meet and exceed service level agreements
- Reduce infrastructure and development costs
- Cross platform real-time access to the data grid

*Oracle Coherence for C++ extends the power of the Oracle Coherence data grid to C++ applications. It is the first data grid solution written natively in C++ technology to provide scalable and reliable data management for C++ applications on a wide variety of platforms including Linux, Microsoft Windows, and Apple Mac OS X. It opens a variety of possibilities for the C++ community by enabling native C++ support for data grid access.*

### Real-Time Management for C++ Applications

**Access to the data grid.** Oracle Coherence provides scalable, real-time data management for C++ applications with native VB.NET and C# connectivity to the Oracle Coherence data grid and powerful data-grid-based analytics, transactions, and event processing.



**Real-time data management for C++ applications.**

**Real-time access.** Oracle Coherence provides scalable client access from desktop applications into an Oracle Coherence data grid. With first-class access to data across the entire enterprise, users have an instantaneous view of updated data locally on their desktops as soon as it changes anywhere in the data grid.

**Session store.** Oracle Coherence provides transparent session-state data management for C++ applications, enabling increased application performance, significant concurrent user scalability, and automatic isolation of applications from server and network failures.

## RELATED PRODUCTS

Oracle Coherence enables in-memory data management for clustered applications and application servers. Coherence makes sharing and managing data in a cluster as simple as on a single server.

### RELATED PRODUCTS

To make application grid computing possible, Oracle brings together key industry-leading technologies:

- Oracle Coherence Suite
- Oracle Coherence
- Oracle Tuxedo
- Oracle WebLogic Suite
- Oracle WebLogic Server
- Oracle Application Grid
- Oracle JRockit
- Oracle Enterprise Manager
- Oracle WebLogic Operations Control

**Local and clustered caching.** You can access any Oracle Coherence cache running in the data grid, including replicated and partitioned caches, and receive real-time events from the data grid as changes occur.

- Local cache – High-performance, in-process cache implementation that supports read-through and write-through to pluggable persistent stores, such as databases.
- Near cache – Fronts a fault-tolerant, scalable data grid cache with a local cache. The near cache invalidates front cache entries, using a configurable invalidation strategy, and provides excellent performance and synchronization with the data grid.
- Continuous query cache – Combines a data grid query result with a continuous stream of related events that maintain the query result locally in a real-time fashion.

**Clustered data grid services.** You can harness Oracle Coherence data grid services from within C++ applications, perform custom operations in parallel on any number of cluster nodes, and aggregate and process data in parallel within the data grid through the use of distributed agents.

**Transparent data transformation.** Oracle Coherence provides transparent conversion to and from Java, C++ and .NET data types, including custom application user types. This enables C++ applications to access cached Java and .NET objects as native C++ objects and Java applications, including data grid members and Java clients, to access cached C++ objects as native Java objects. Oracle Coherence provides support for versioning of C++ user types to allow for their evolution over time. This enables both forward and backward compatibility of user types.

**C++ session store provider.** Oracle Coherence scales to hundreds of servers and provides automatic failover for HTTP session data. It handles even huge HTTP sessions with ease, has no session stickiness requirements, and requires no code changes to existing C++ Web applications.

## Contact Us

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