

Oracle Database Lite Overview

Oracle Database Lite is an integrated and complete solution for rapid development and deployment of high impact, mission critical applications for mobile and lightweight environments. It extends the grid environment to mobile devices, allowing mobile workers to access enterprise data and applications in the absence of a network connection. When network connection is available, Oracle Database Lite uses data synchronization to allow these workers to reliably and securely exchange data with a corporate Oracle Database.

Full-featured Client Stack

The Oracle Database Lite client includes various components that operate in concert to facilitate a seamless user experience and easy remote administration. The client includes a small-footprint database (and associated utilities) optimized for handhelds, laptops and small business environments, supporting single or multi-user deployments. The database provides a secure, relational data store that is self-administering and self-tuning, requiring no DBA involvement.

Enterprise Ready Mobile Server

Mobile Server, the core of the Oracle Database Lite product, can be deployed on commodity server hardware running industry standard operating systems including Windows, Linux, Sun SPARC, HP-UX and IBM AIX. The Mobile Server provides a reliable, bi-directional synchronization system and a powerful administration interface.

Robust and Scalable Synchronization System

Based on a publish-subscribe model, Oracle Database Lite's synchronization system allows efficient asynchronous (non-blocking) data synchronization between thousands of mobile users and your Oracle Database. Clients upload data to an In Queue, download data from their Out Queue, and disconnect. Simultaneously, the synchronization process asynchronously applies the client updates from the In Queue to the enterprise data store, and populates the Out Queue with server updates.

Oracle Database Lite intelligently recovers from network failures during synchronization. If a user experiences a network failure during synchronization, the Database Lite client will resume the function (e.g. upload/download) from the last checkpoint marker rather than restart the transmission.

Rapid Application Development Support

The Oracle Database Lite Mobile Development Kit (MDK) is a set of tools, APIs, tutorials and code samples that accelerate the development of mobile applications.

Oracle Database Lite's support of familiar data access interfaces and open standards such as ODBC, JDBC and ADO.NET allows you to use any mobile development IDE tools that support these standards, including Oracle JDeveloper and Microsoft Visual Studio.

Key Feature

- Automatic Synchronization supports continuous data synchronization in the background without locking database.
- Enhanced performance for WebToGo applications with OC4J 10.1.3 support.
- Windows Mobile 5/CE Standard SDK 5.0 support
- JDK 1.5 compatible
- Supports C++/.Net stored procedures
- Enhanced BLOB support up to 16 TB.
- ADF Support
- JDeveloper Support
- MDW Quick Start Wizards support Rapid Application Development.
- MDW supports Automatic Synchronization publication rule definition.
- JDBC support on Symbian
- Mobile Server Repository Diagnostic Tool (MSRDT) allows trouble shooting mobile server repository corruptions.

Key Benefit

- Oracle Database Lite extends the Grid Environment to enterprise-enable mobile workers. Field workers can access enterprise data store and applications on the go.
- Corporations can leverage Oracle Database Lite to increase employee productivity, reduce operation costs, and improve customer satisfaction.

Support Product

- Rugged PDA : PA series
- Rugged Handheld Terminal : HT660
- Rugged Handheld Smart RFID Reader: RH767

