Oracle Mobile Agents™

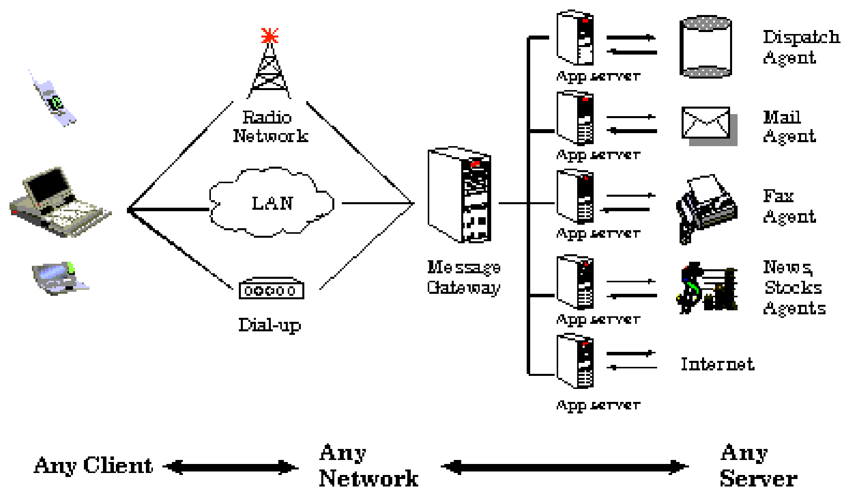
As an integral part of Oracle's mobile computing strategy,
Oracle Mobile Agents? provides the connectivity required for mobile computing.
This flexible, standards-based solution provides the connectivity for all
mobile users, whether LAN based, dial-up or wireless, on a wide variety of platforms.

Anytime, Anywhere

Oracle Mobile Agents is a mobile middle-ware product - an asynchronous, secure, store-and-forward
messaging system that provides the foundation on which to quickly build and deploy mobile applications.
Oracle Mobile Agents supports a variety of wireless networks, including emerging cellular digital networks,
as well as dial-up and LAN connections. Its scaleable architecture can add mobility to and enhance the productivity
of to any application in the enterprise.

Optimized for the Mobile Environment

The *client/agent/server* architecture used by Oracle Mobile Agents minimizes traffic over the
wireless link which is often slower and less reliable than a LAN, a key feature for any mobile application.
It does this by using a software "agent" to work on behalf of the mobile client. While traditional
client/server operation requires the client to remain connected for the duration of a transaction, Oracle Mobile
Agents requires the client to remain connected only long enough to submit a request to an agent. Combined with
data compression and carefully optimized message size, expensive connect time is kept to a minimum. The user spends
more time working, less time waiting. From a user perspective, application performance over wireless links becomes
comparable to a LAN connection.



Oracle Mobile Agents is optimized for the mobile environment, providing any client access to any server with any network.

Information on Demand

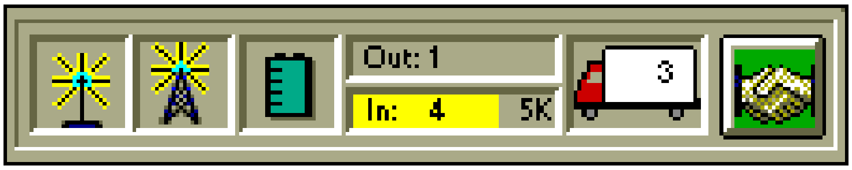
Software agents can be designed to monitor information sources and proactively alert clients to new or changed data. Salespeople can be automatically alerted when a product sells out, preventing overbooking; field workers can periodically be sent the most current list of service calls and customer information, eliminating the need to return to the office for updates; mobile executives can have their daily schedule waiting for them when they turn on their laptop in the morning, and then receive updates throughout the day. Information works for, not against, the mobile worker.

Secure and Reliable

The public nature of most wireless services raises valid security concerns. Oracle Mobile Agents addresses these concerns by providing configurable authentication, encryption, and tamper-proofing - all implemented using industry standard algorithms. Further, Oracle Mobile Agents' store-and-forward architecture guarantees message delivery. If a mobile worker is unavailable or suddenly loses coverage, messages are queued rather than discarded. Together, these services allow the mobile worker to work when and where they want, without worrying about network availability, and with confidence that corporate information is safe from prying eyes.

Easy to Use and Configure

Oracle Mobile Agents hides the complexities of the underlying network from both the application developer and the user. An extensive software developer's kit and standard API's that can be used with a variety of familiar development tools minimize the time required to mobile-enable applications. An easy-to-use status panel lets the mobile worker quickly check the status of the network connection and easily select the most appropriate network.



An easy-to-use panel allows mobile users to check the status of their network connection and rapidly switch between networks as appropriate.

Ready for the World Wide Web

The web is becoming a major application platform, both commercially and within the enterprise, because web applications are simple to write and simple to use. Oracle Mobile Agents extends the simplicity by adding mobility to these applications, with no additional application development. Users can run their familiar applications via their usual web browsers and, with Oracle Mobile Agents, operate seamlessly over any network - LAN, dial-up or wireless. By preserving the user's familiar interface, mobile applications can be deployed rapidly, inexpensively, and with no additional user training.

An Open, Flexible Platform

Oracle Mobile Agents' open architecture allows it to work as easily with legacy systems as it does with the World Wide Web. This provides for greater flexibility in choosing the most appropriate client device, network, and server for the mobile application. As networks, data sources and devices change and evolve, Oracle Mobile Agents will evolve with them, preserving your company's investment.

Key Features

Messaging

- Store and Forward Messaging
- Asynchronous Data Alerts

- Service Queuing
- Compression

Security

- Authentication using RSA Public Key Cryptography or 64 character passwords
- Encryption using:
    - *RSA RC4 with 40-bit keys*
    - *RSA RC4 with 256-bit keys (U.S. only)*
    - *DES with 40-bit keys*
    - *DES with 256-bit keys (U.S. only)*
- Tamper-proofing using RSA MD5 digest

Multiple Network Support

- Mobitex
- DataTAC 4000 and 5000
- CDPD
- GSM
- PPP
- TCP/IP

Development Environment

- OLE objects and Windows DLLs
- Support for many popular development tools, including Oracle Developer 2000,
  Microsoft Visual Basic and Visual C++, Borland C++

Platforms

- *Gateway, Agent Event Manager*: Windows NT, Solaris 2.X, HP-UX, IBM AIX
- *Message Manager*: Win 3.11, Windows 95, Windows NT, PSION 3 Series PDA’s and
  Symbol hand-held devices

Components

- *Message Manager* - manages communications for all applications and hides network complexities.
- *Message Gateway* - routes messages and manages the message queues for registered
  clients and agents. Also responsible for enforcing system-wide authentication and security
  policies, user-profile management and general system management.
- *Agent Event Manager* - manages the communications between the agents

on a particular
machine and the Message Gateway. Analogous to the Message Manager on the client.

- *Extensive SDK* - includes both source code and executables for several sample applications,
including: Fax, File Transfer, Expense Report.

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To offer our customers the most complete and effective information management solutions, Oracle Corporation offers its products, along with support, education, and consulting, in more than 90 countries.

This product is not yet generally available, and features and screen shots shown may not correspond exactly to the released product.