

Oracle Application Development Framework Mobile Client Now Available

Enables Developers to Quickly Develop Applications for Mobile Devices

Redwood Shores,
Calif.
March 14, 2011

News
Facts

Furthering

its support for Java-based mobile development, Oracle today announced Oracle Application Development Framework (ADF) Mobile Client, an extension of the Oracle Application Development Framework.

A

component of Oracle

Fusion Middleware, Oracle ADF Mobile Client allows developers to extend their existing skills into mobile devices. It simplifies application creation and deployment using a single, standard Java user interface (UI) framework and tooling for all supported devices. Developers can build once and deploy to multiple devices and as support for new devices is added in Oracle ADF Mobile Client, applications can be deployed to the new platforms without redevelopment.

Oracle

ADF Mobile Client provides native mobile functionality, allowing applications to be deployed directly to mobile devices, with initial support for BlackBerry (RIM) and Microsoft Windows Mobile devices.

With

access to real-time and offline data and deep device services integration, Oracle ADF Mobile Client provides benefits for a variety of applications including field service, warehouse management, consumer goods/retail execution and sales force automation.

Oracle

ADF Mobile Client complements Oracle

ADF Mobile Browser, a product that enables developers to build connected enterprise applications for a broad range of mobile browsers.

Simplified Development for Java-Based Mobile Applications

Based

on the same programming paradigm as Java Server Faces (JSF), Oracle ADF Mobile Client delivers a highly productive, declarative development environment where the developer can work with a mix of visual editing tools and Java code to define a device-independent representation of the application. This single generic application definition is then rendered on multiple device types using the native UI for that platform.

This

approach removes the need for developers to overly specialize on a particular class of device or toolkit and allows the application to rapidly respond to the changing capabilities and platforms within the mobile space.

Oracle

ADF Mobile Client allows the creation of Java-based applications running as local applications on the phone or mobile device.

Oracle

ADF Mobile Clients data management facilities and access to on-device services make it an ideal platform for extending existing enterprise applications into the mobile space.

Oracle

ADF Mobile Client also makes it easy to repurpose existing enterprise services and extend them into disconnected mobile delivery, regardless of the applications original design.

Other

new capabilities in this release of Oracle ADF Mobile Client:

o Offline

and Real-Time Access to Enterprise

Data: Oracle ADF Mobile Client framework provides design tools and data synchronization services for offline data synchronization. In addition, a real-time data link can be established declaratively via Web Services. Data can also be cached locally, providing support for hybrid online/offline mobile applications.

o Local

Device Hardware Access: Mobile

clients created with Oracle ADF Mobile Client can access local device hardware such as cameras, GPS and other data acquisition sources from Java code embedded into the application.

o Declarative Barcode Reader

Integration: Allows Oracle ADF mobile applications to simply and seamlessly integrate with integrated barcode readers on the device.

o Data Synchronization Between the Device and the Enterprise:

Oracle

Database Lite Mobile Server provides a highly configurable data

synchronization engine that allows delta-based automatic as well as on-demand synchronization. Mobile Transaction Replay Service, part of the Oracle ADF Mobile Client, also allows logical transactions that have been recorded on the mobile device while offline to be replayed through a service API rather than directly to the database. This approach promotes the reuse of existing enterprise services and a well-separated SOA architecture.

Supporting Quote

The increased adoption of mobile

business applications requires Java developers to create and extend mobile applications faster than ever before, said Ted Farrell, chief architect and senior vice president of Tools and Middleware, Oracle. Oracle ADF Mobile Client and Oracle ADF Mobile Browser enable developers to leverage their existing skill sets to efficiently deploy applications across mobile devices and platforms and address rapidly increasing mobility requirements within the enterprise.

Supporting Resources

White Paper: Oracle

Mobile Application Development Strategy

Overview:

Oracle

Application Development Framework (ADF) Mobile Client

Oracle

ADF Mobile Technical Site

Tutorial: Developing

Oracle ADF Application for the Blackberry Smartphone

Tutorial: Developing

an On-device Mobile Application with ADF Mobile Client

Oracle ADF Mobile &

BlackBerry Field Service Demo

Oracle ADF

Mobile Blog

Data Sheet: Developing
for Mobile Devices with Oracle ADF

Forrester,
Define Your Mobile Development Strategy

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Oracle ADF Mobile Client. Terms, conditions
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Oracle Fusion
Middleware

Oracle
and the Mobile Enterprise

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