

Sun GlassFish™ Mobility Platform

Unleash your potential, mobilize your enterprise.



Sun GlassFish™ Mobility Platform is a horizontal mobility platform based on open industry standards and enterprise Java technologies that enables mobile devices to access information systems and content. Glassfish Mobility Platform integrates advanced synchronization capabilities with flexibility, security, and ease of maintenance on a single platform. It helps companies to build their next-generation mobile platforms on top of their existing IT infrastructure and thus maximizes ROI on their current investment. Additionally, GlassFish Mobility Platform is a cost-efficient and flexible way to mobilize information systems and build content delivery applications.

Highlights

- Provides end-to-end security from the mobile device to the back-end server
- Enables real-time data synchronization, dynamic data updates, and offline data access
- Simplifies design and development efforts by being device and service-provider agnostic
- Reduces development costs and time to market by providing out-of-the-box connectivity to many enterprise systems
- Reduces support costs by providing over-the-air provisioning capabilities
- Is based on open industry standards and proven enterprise Java technologies

Overview

In 2008, according to a survey by Forrester research, the top telecommunications priority of 65% of firms in North America and Europe was to provide more mobility support to the workforce. Today, many corporate employees must be able to access corporate information systems from their mobile devices. For example, workers often use mobile devices to update the tracking status of shipments throughout their routes, from pickup to delivery. Field sales agents need to access customer accounts when they go from one customer site to another. Field technicians are more productive if they can coordinate their task schedule with the dispatch center on the go.

On the consumer side, the growth of mobile content has been phenomenal in recent years. Many popular Web sites have now developed a special version for mobile devices. The demand for mobile access to information, ranging from up-to-the-second weather reports and stock prices to personal email and calendar, is exploding. GlassFish Mobility Platform provides a robust and scalable delivery and synchronization mechanism for enterprise data and consumer content. It also provides flexibility, security, and ease of maintenance on a single, open platform.

Business flexibility

There is no dominant mobile operating system or connectivity mechanism in the market. Consumers are free to choose their mobile device and service provider from hundreds of choices. Employees can bring their own mobile devices to work and expect to have access to corporate information systems from these devices. This freedom makes mobile application development difficult and its support and maintenance expensive.

To address rising mobile development and support costs, GlassFish Mobility Platform allows you to decouple your mobility platform from devices, back ends, and service providers. You do not have to worry about being locked in to a specific service provider, because you can add or switch to another service provider without making changes to your mobile platform.

Moreover, mobilizing data from a new enterprise information system at a later phase is greatly simplified because GlassFish Mobility Platform delivers out-of-the-box connectivity to many enterprise platforms, such as SAP and Siebel. It provides connector templates that greatly facilitate the development of specialized connectors. Using a connector, you can mobilize one information system initially then extend it by building connectors for other systems if there is a business need.

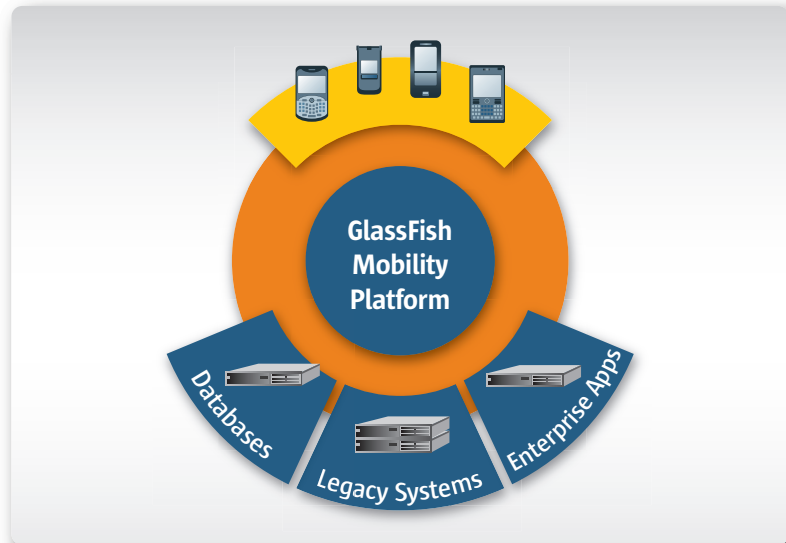
Small or mid-sized companies may decide that they cannot manage the complexity of a mobility platform in-house. For these companies, large telecommunications carriers may provide enterprise application services built on GlassFish Mobility Platform as a subscription service. Such a managed mobility service greatly reduces the cost of developing and maintaining a mobility platform for small and mid-sized companies.

End-to-end security

With more mobile devices in the hands of your employees and more data reaching them, the risks of compromising sensitive information are greater than ever. GlassFish Mobility Platform provides end-to-end security for your mobile platform. All communications between the mobile device and the back-end information system are secured, and all data stored on the mobile device is encrypted. In addition, all data stored on the device can be remotely wiped out if necessary. The mobile device itself can be locked out if it is lost or stolen. GlassFish Mobility Platform also provides a single sign-on mechanism for mobile users; login credentials are stored on the GlassFish Mobility Platform Gateway and are mapped to enterprise application credentials.

Ease of maintenance

More mobility can also mean higher IT support costs. GlassFish Mobility Platform eliminates the cost of returning mobile devices to the IT department for maintenance through an over-the-air provisioning capability that enables you to remotely install applications on mobile devices. Moreover, GlassFish Mobility Platform



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provides the ability to manage access to each mobile application by assigning different credentials for different mobile applications. All user activities are also logged.

Standards

- Open Mobile Alliance Data Synchronization (OMA/DS) Standards

Server OS

- Solaris™ 10 Operating System
- Red Hat Enterprise Linux 4 and 5
- Windows (development only)

Application Server

- Sun GlassFish Enterprise Server 2.1

Client Platform

- Java™ Platform, Mobile Edition (Java ME)
- CDC 1.1.2, CLDC 1.1, MIDP 2.0

Java Development Kit

- J2SE 5.0 and JDK™ 6

Contact us

For more information about GlassFish Mobility Platform, please visit www.sun.com/mobilityplatform. We would also like to hear from you. Please send your comments and questions to mep-feedback@sun.com.