

Sun Java™ System Mobile Enterprise Platform

Unleash your enterprise. Mobilize your business.



Highlights

- Provides out-of-the-box connectivity to many enterprise application platforms
- Supports a wide variety of mobile devices
- Provides offline access to data when there's no network coverage
- Extends the security of enterprise applications to mobile devices using encryption and data fading/wiping
- Supports over-the-air (OTA) provisioning of mobile clients
- Simplifies the development and customization of mobile applications
- Based on open industry standards, including robust and scalable Java™ technologies



The Sun Java™ System Mobile Enterprise Platform (MEP) is a platform, based on open industry standards, that enables access between enterprise applications and mobile devices. It provides reliable two-way data synchronization with security, device management, and offline access. MEP helps companies maximize the ROI of their existing IT infrastructure by reducing the cost of developing and provisioning client applications. It also empowers corporate mobile workers to be more productive by providing them with access to mission-critical data — from anywhere, at any time.

Overview

Today's workforce requires real-time remote access to corporate data. For example, field service technicians must update their work tickets as soon as they complete a task so that the company's scheduling software can efficiently allocate resources. Field sales agents need to update their customer accounts as they go from one customer site to another. MEP supports field service, logistics, and sales force automation by enabling the mobile workforce to connect easily and securely to many enterprise applications. MEP can operate in an Occasionally Connected Computing (OCC) environment, using client caching to enable mobile workers to access and update their data even when they are off the network.

Out-of-the-box connectivity

MEP comes with standard application adapters to connect to many enterprise platforms, including SAP and Siebel. These industry-standard, highly-tested adapters are based on the Java Platform, Enterprise Edition (Java EE) Connector Architecture and have been extensively used in enterprise projects. Application adapters can connect directly to relational databases such as Oracle and MySQL™. MEP also provides a framework so that you can develop custom adapters for virtually any enterprise application.

Device agnostic

Client applications are built using MEP's Java Platform, Micro Edition (Java ME) client library, which makes the applications device agnostic. With MEP, you can design a mobile client application that works on any Java ME platform-enabled device, such as a Palm Treo (running Windows Mobile or Palm OS) or a BlackBerry. You're free to choose from more than one mobile platform and any service provider. Plus, because you only need to write the client application once, you'll save on both development time and resources.

Offline access

MEP provides two-way synchronization when you're connected. Even more, it provides caching on the mobile device so that you can work in offline mode. When you update your data in offline mode, your updates are cached and will be resolved with the enterprise application when you reconnect.

100% secure

MEP provides end-to-end security for your enterprise data, enabling a single sign-on mechanism for users. Login credentials for mobile device users are stored on a MEP gateway server and mapped to enterprise application credentials. Data on mobile devices can be encrypted. MEP transmits

data securely using HTTPS, ensuring that your enterprise security is never compromised when your mobile workers connect through public networks. If a mobile device is stolen or lost, you can remotely lock out and wipe all sensitive data from it.

Over-the-air provisioning

MEP uses over-the-air (OTA) provisioning to remotely install or upgrade client applications on mobile devices. These devices never have to be returned to the service desk for maintenance, which improves productivity and saves money.

Simplified development

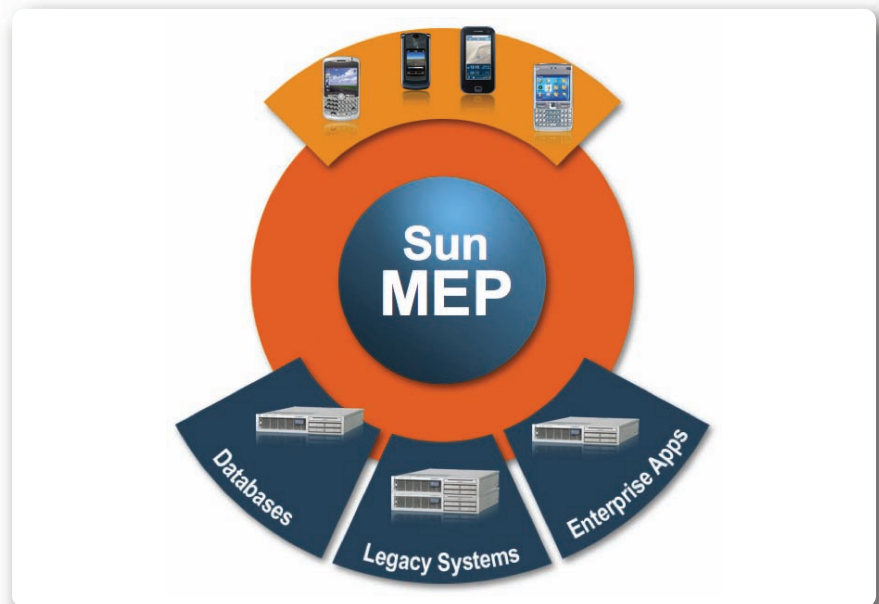
MEP provides Mobile Client Business Object (MCBO) and Enterprise Connector Business Object (ECBO) APIs to simplify the development and customization of mobile client applications and connections to EIS/EAI systems and databases. NetBeans™ IDE plug-in modules provide an easy-to-use development environment for building custom applications and connectors.

Open standards

MEP is built on leading open-source products including GlassFish and MySQL that provide a robust and scalable platform for development. MEP also supports open standards such as Java ME, Java EE, and Open Mobile Alliance Data Synchronization (OMA DS) standards.

About Sun

A singular vision, The Network is the Computer™, drives Sun in delivering industry-leading technologies that focus on the whole system — where hardware, software, and services combine. With a proven history of sharing, building communities, and innovation, Sun creates opportunities, both social and economic, around the world. You can learn more about Sun at sun.com.



MEP integrates two-way data synchronization with security, device management, and offline access on a reliable, open standard platform.

Server OS

- Solaris™ 10 Operating System
- Red Hat Enterprise Linux 4
- Windows

Application server

- Sun Java System Application Server 9.1 Update 2

Client platform

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

Java development kit

- JDK™ 6 release

Supported EIS/EA/DB systems

- Siebel CRM
- SAP
- MySQL Enterprise™ Server
- Oracle

Synchronization databases

- MySQL
- Oracle 9/10