



IBM Software Group

Bases de données en mobilité

Domino & DB2 Everyplace

Lotus software

@business on demand software

Nestor Bonifas

Lotus software

Agenda

- “Domino Everyplace” ...
- DB2 Everyplace





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Domino Everyplace ...

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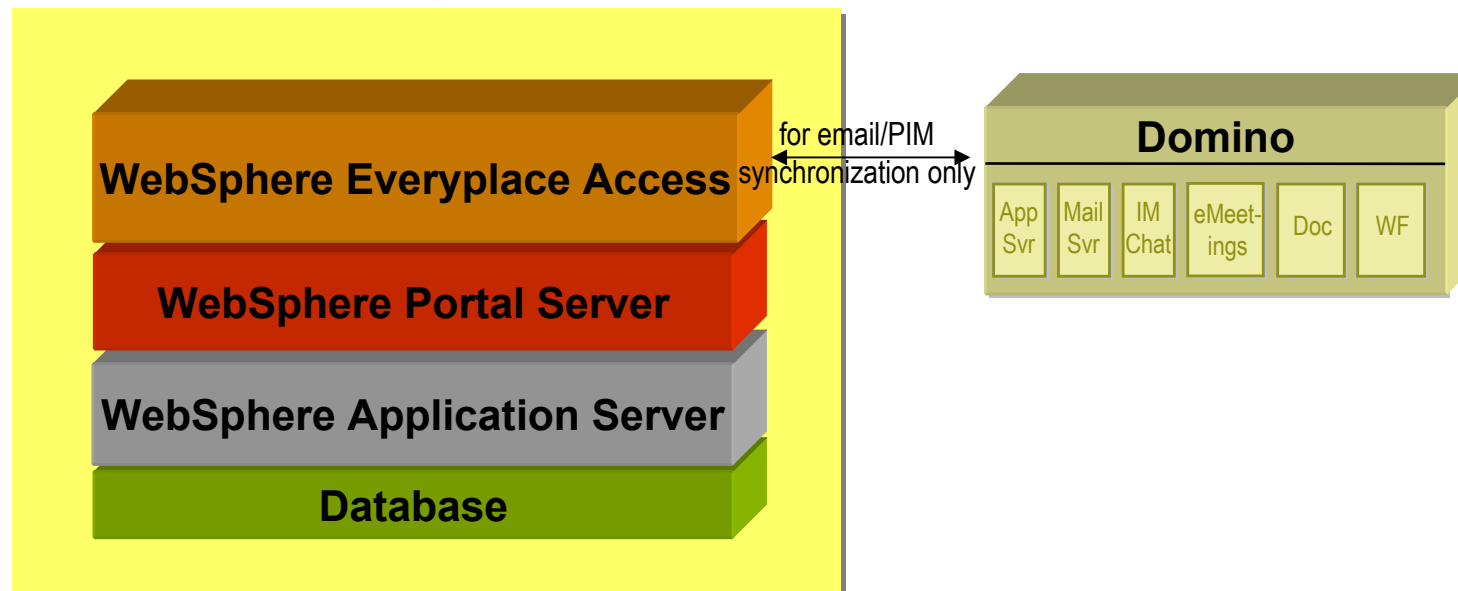
Lotus software

Domino 6.5 mobile functions

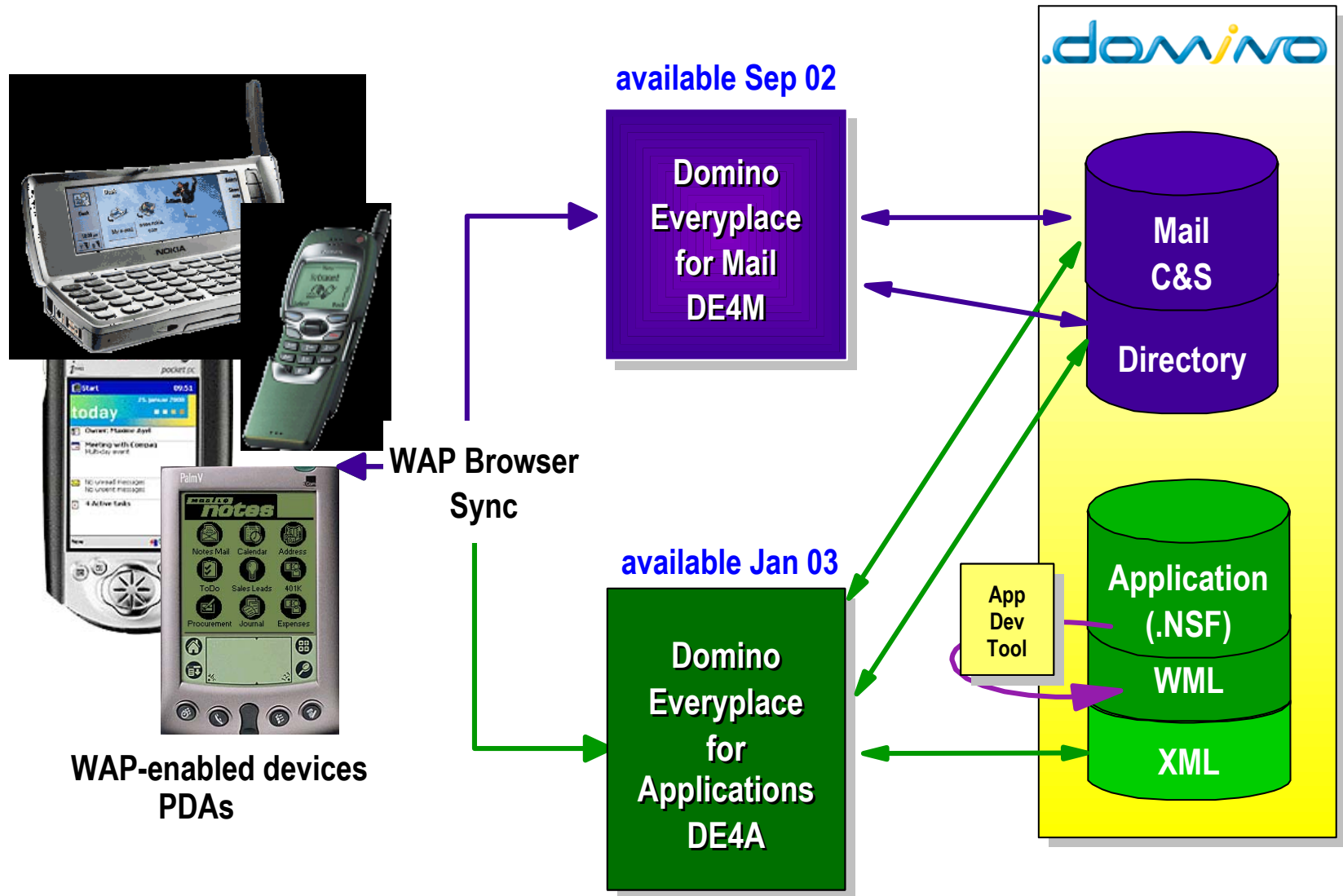


Fonctions de mobilité pour Domino

- Real-time email/PIM access (Domino Everyplace)
- Instant messaging (Sametime Everyplace)
- Notifications (Domino Everyplace)
- Online access to Domino applications (Domino Everyplace)
- Email/PIM synchronization – local-based (EasySync Pro)
- Unified Messaging (Domino Unified Communication Services)
- Email/PIM synchronization – server-based (WEA for Lotus Domino)



Domino Everyplace for Mail & Domino Everyplace for Apps



Repositionnement de ces offres dans Websphere EA



Domino Everyplace for Mail

*Mobile & Wireless access to Mail,
Calendar, Address Book*

Wireless live access via WAP phone
Sync to Palm, Pocket PC, EPOC,
SyncML

Domino Everyplace for Applications

*Mobile & Wireless access to any Domino
Application*

INCLUDES DOMINO EVERYPLACE FOR MAIL
Wireless live access via WAP phone
Sync to Palm, Pocket PC, EPOC, SyncML

Websphere Everyplace Access

*Integrated mobile services platform for creating, deploying and
accessing mobile data for wired, wireless and cradle access*

INCLUDES DOMINO EVERYPLACE FOR APPS
IBM Everyplace client for WAP phones & PDAs
Mobile & Wireless access to Domino & Microsoft Exchange
DB2 Everyplace for Mobile database applications
Any Web content designed and accessed online and offline

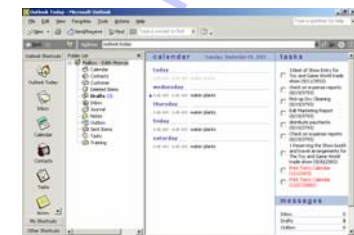
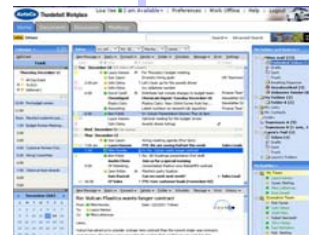
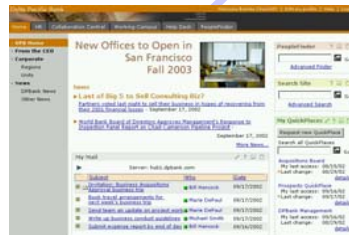
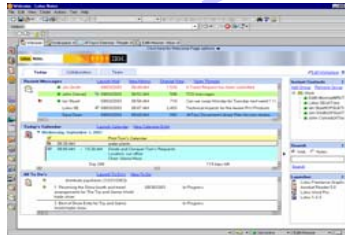


What is the difference between WEA and WEA for Lotus Domino?

Feature	WEA for Lotus Domino	WEA
Intelligent Notification	☹	👍
Server-initiated action	☹	👍
Email/PIM synchronization (Microsoft Exchange)	☹	👍
Email/PIM synchronization (Lotus Domino)	👍	👍
IM & Awareness	☹	👍 IM Client
Location Awareness	☹	👍
Lightweight client database	☹	👍
Offline Forms	☹	👍
Client-based Email Filtering	👍	👍
Device support	☹	👍
Mobile application development	☹	👍
Distributed installation	☹ Single server only	👍



Avec Workplace, un client Java riche mobile



Le “Mobile Rich Client”



Device appropriate

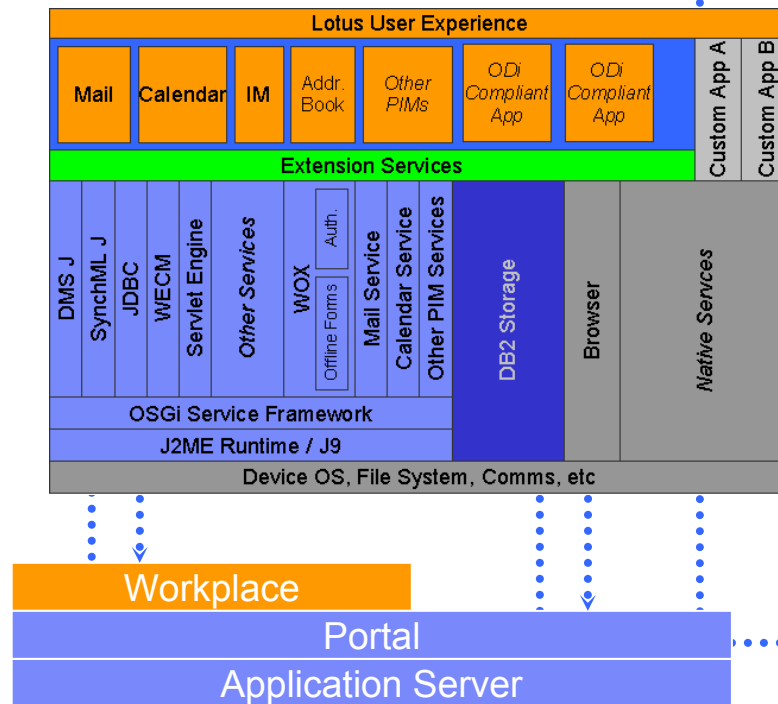
PIM and email applications

Integrated collaboration features



Access to Workplace and Portal applications

← software, configurations →
device inventories, etc →



Managed connectivity

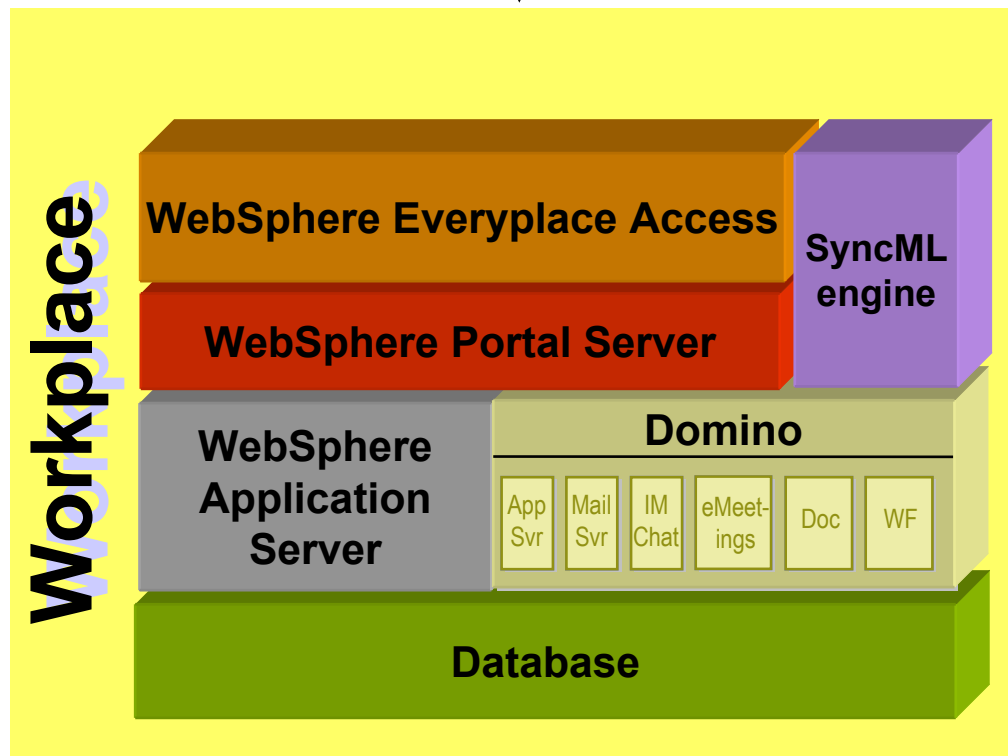
Integrated synchronization



Device and System Management



Ultimately, mobile functions for Domino and Workplace are delivered from one platform → Workplace



Workplace mobile functions

- Email/PIM synchronization (server-based)
- Instant messaging
- Notifications
- Unified Messaging/Communications
- Access to Workplace applications
- Real-time email/PIM access
- Portal-based access to Domino applications
- Access to Workplace applications
- Mobile platform
 - Device management
 - Intermittent connectivity mgmt.
 - Server-initiated actions
 - Location Awareness Services
 - Security
 - Etc...



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DB2 Everyplace

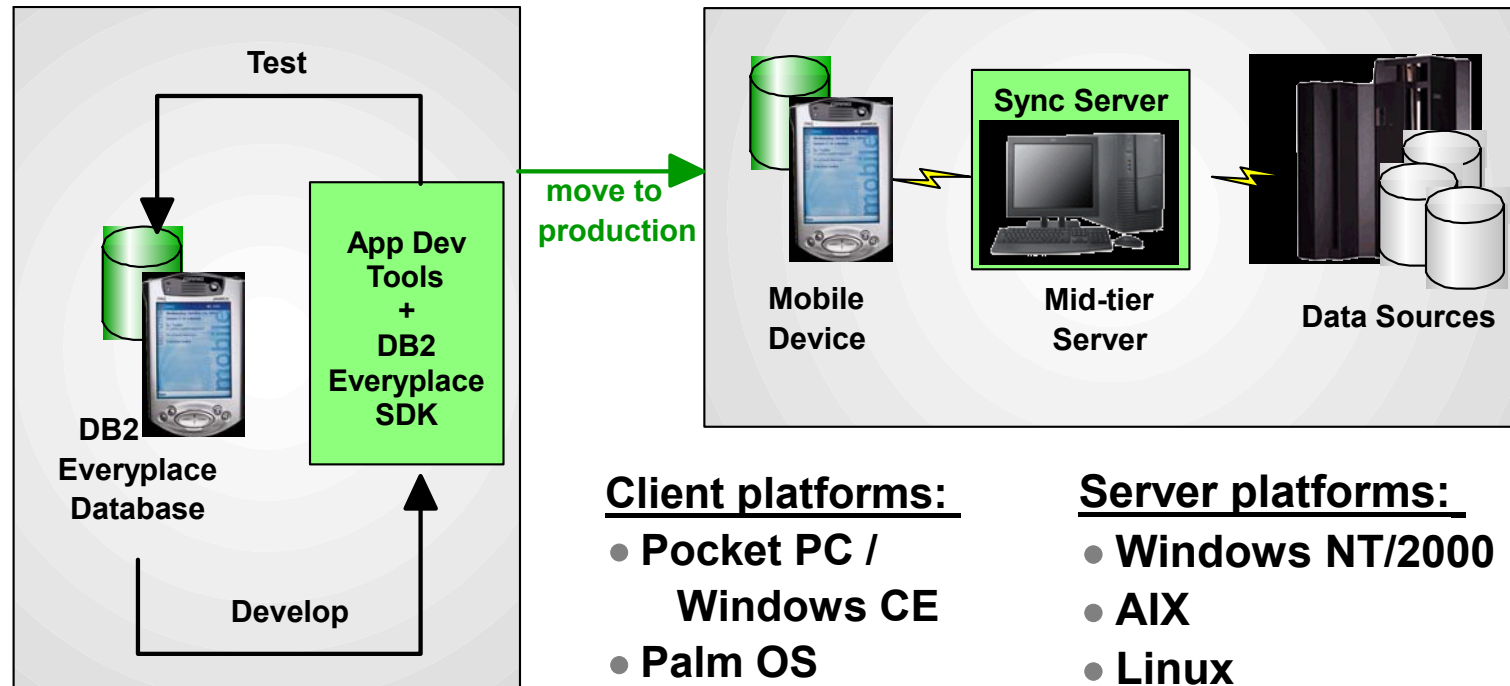
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DB2 Everyplace



Application Development using Visual Basic, C/C++ and Java with industry standard tools and the DB2 Everyplace SDK.

Client platforms:

- Pocket PC / Windows CE
- Palm OS
- Symbian V6
- Java 2 Micro Edition
- QNX Neutrino
- Linux
- Win32

Server platforms:

- Windows NT/2000
- AIX
- Linux

DB2 Everyplace

Database Synchronization

- DB2 Everyplace est un service de synchronisation de données relationnelles
- Supporte les données compatibles JDBC
DB2, Oracle, Microsoft SQL, Informix, Sybase, Domino Notes Database
- WBXML est le format d'échange
- **Ressemble à SyncML mais pas SyncML**
- Possibilités de cryptage des données
- Synchronisation à la demande
- Intégré au client IBM Everyplace
- Interfaces de programmation côté client publiées
- Administration et contrôles d'accès utilisateurs intégrés à WebSphere Everyplace Access



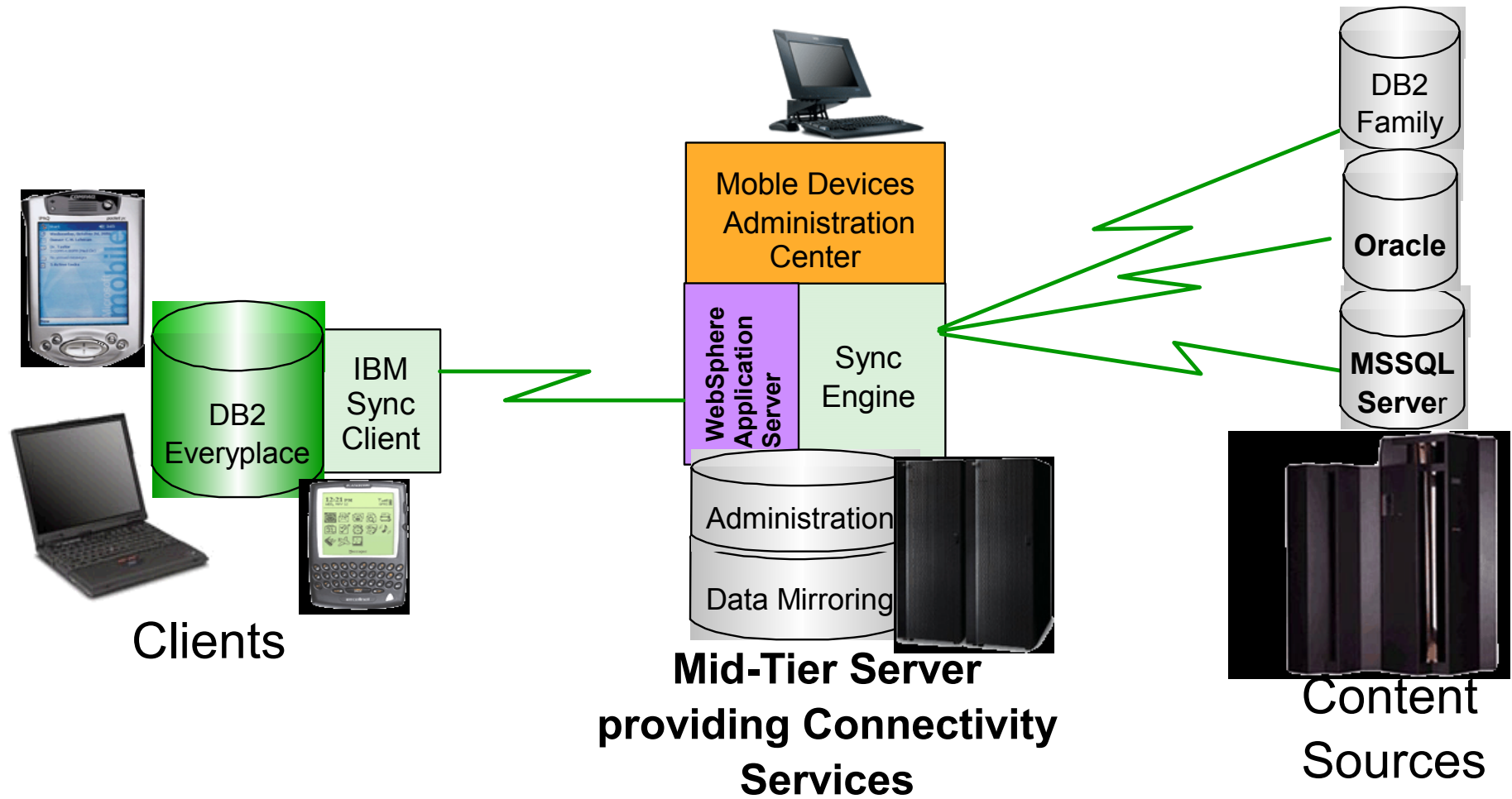
Composants

DB2 Everyplace is a small footprint relational database and synchronization server for mobile computing and embedded devices.

Component Name	Description
DB2 Everyplace Database	Database Engine High performance data store for managing and using data on mobile and embedded devices
DB2 Everyplace Sync Server	Synchronization Server Mobile user management and synchronization of enterprise data with mobile and embedded devices
DB2 Everyplace Software Development Kit	Application Development Tools RAD tools, development plug-ins, whitepapers and samples enabling developers to create DB2 Everyplace applications quickly



Architecture Mono-serveur



Possibilité de graver des bases : elles deviennent transportables

- Supporté par Windows
- Fonctionnement de DB2 Everyplace directement à partir du média CDROM ou Dispositifs mémoires embarquables
 - ▶ Exemple: Résultats de vente trimestriels
- Can run DB2 Everyplace application without having to train pervasive agents or write wrappers around applications
- Can just wrap up information to be searched as well





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DB2 Everyplace et J2ME

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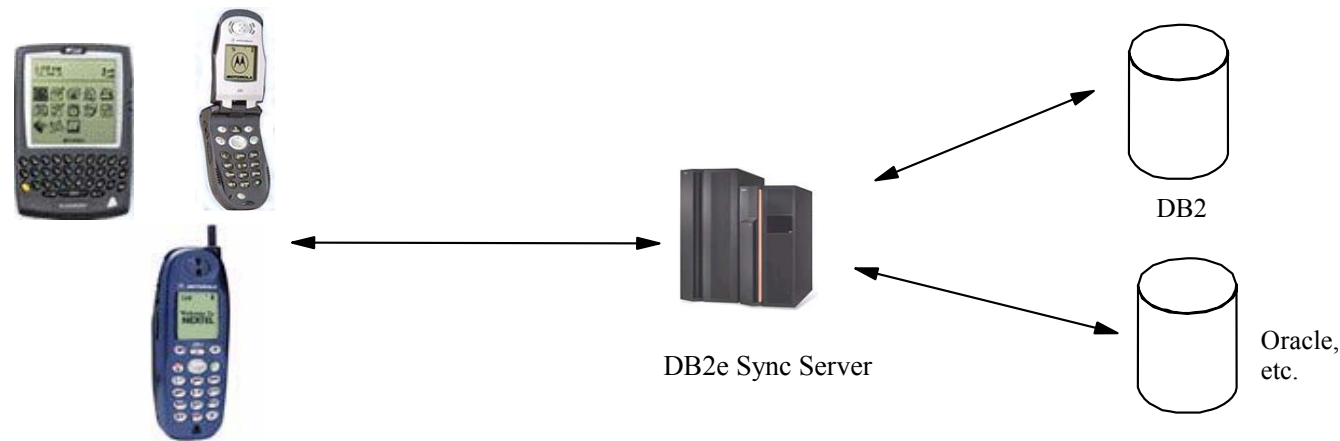
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Java Sync Client for MIDP



- Synchronization from DB2 Everyplace Sync Server to J2ME MIDP clients
- Sync implementation for J2ME MIDP
- Full support for Refresh, Sync, Resume.
- Client side indexing of RMS data, update/delete by Primary Key
- Focusing on mobile phones (Motorola i85s/i90c/i50s) and pagers (Research in Motion)
- run on any MIDP compliant device: <http://www.javamobiles.com>
- Provides the basic functionality required for mobile data management in a very small package
- MIDlet applications must not exceed about 50K (except on new i95cl)

J2ME MIDP Sync Client

- Very small footprint, pure Java, sync client for resource limited pervasive devices (cell phones, pagers)
- Supports Java 2 MicroEdition (J2ME) - the new standard for developing wireless applications for sophisticated wireless solutions
- Provides the mobile data market the first standard platform for device side development
- Uses Connected, Limited Device Configuration, Mobile Information Device Profile (MIDP)
- Distribution: Free & Widely available
- Supports RIM 5800 Series

