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Anbindung mobile Devices mit WebSphere Everyplace-Produkten



Bernd Schindler, Martti Garden
IBM Deutschland GmbH



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Agenda

- Von Software, SOA und der Notwendigkeit der Flexibilität
- Überblick - Workplace Collaboration Services und Workplace Managed Clients
- WebSphere Everyplace-Produktfamilie für die Anbindung mobiler Clients
 - ▶ WED-WebSphere Everyplace Deployment
 - ▶ WECM – WebSphere Everyplace Connection Manager
 - ▶ WEA – WebSphere Everyplace Access
 - ▶ WEMP – WebSphere Everyplace Mobile Portal



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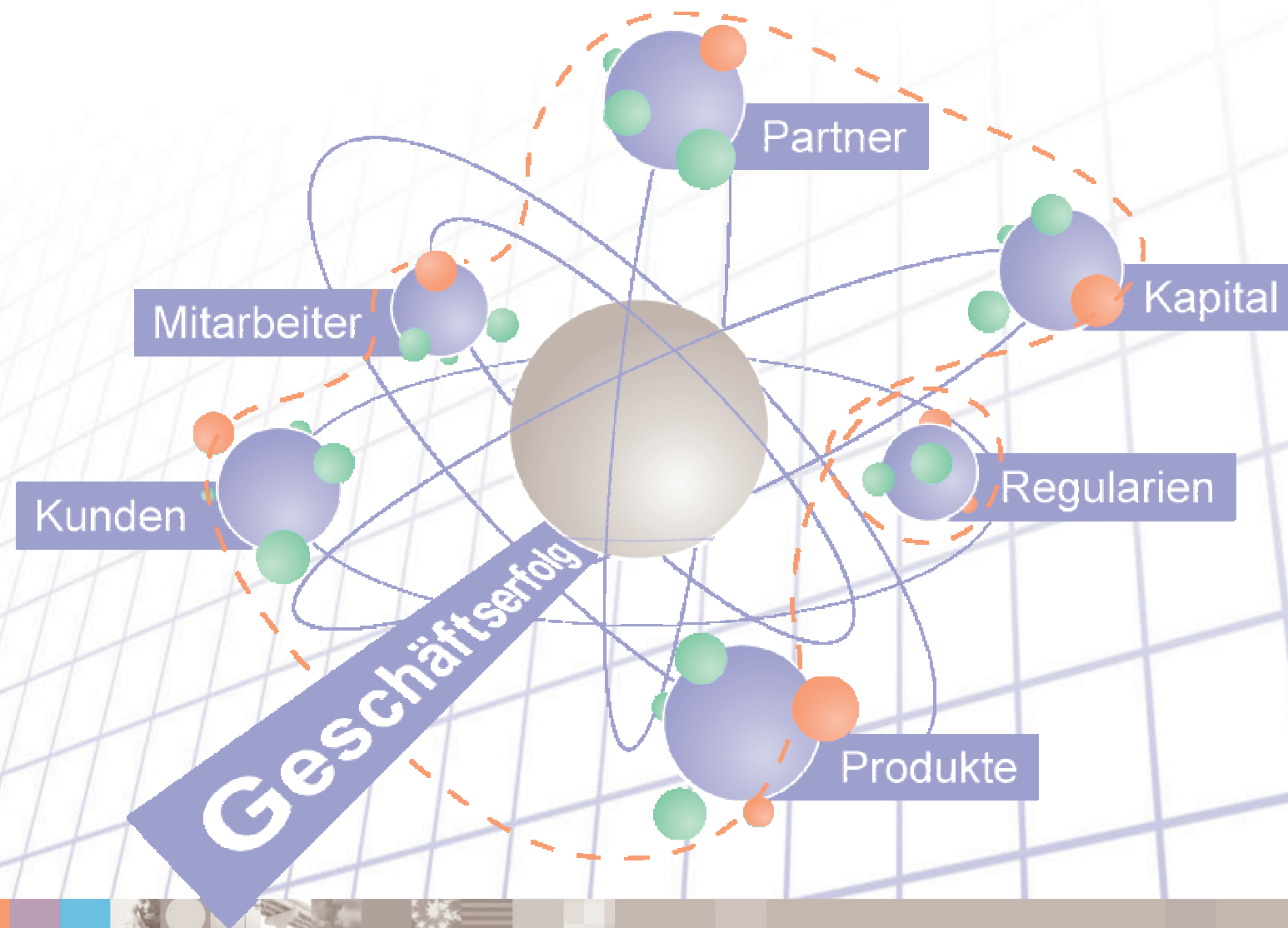
Von Software, SOA und der Notwendigkeit der Flexibilität



ON DEMAND BUSINESS™

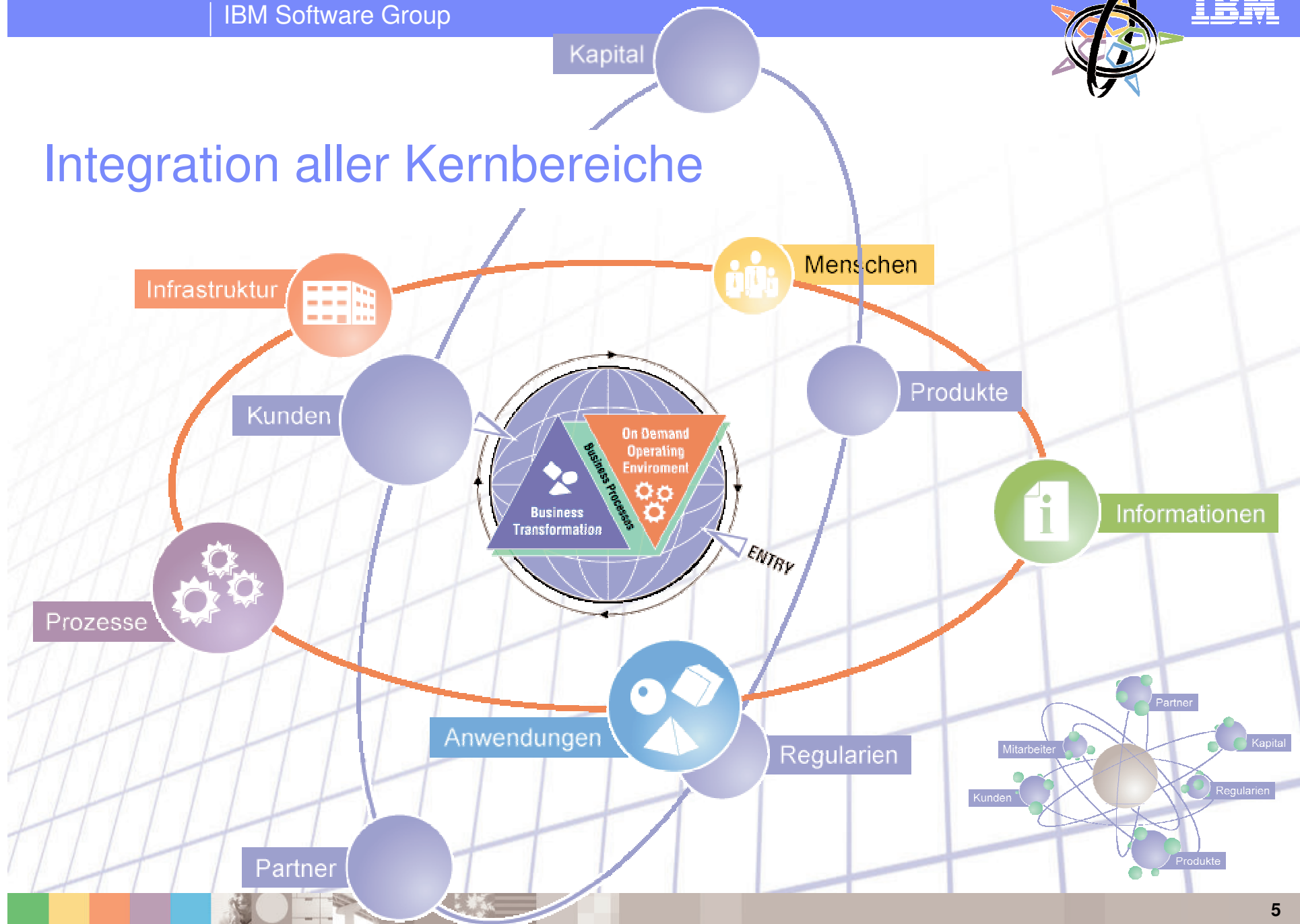
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Flexibilität und Reaktionsfähigkeit





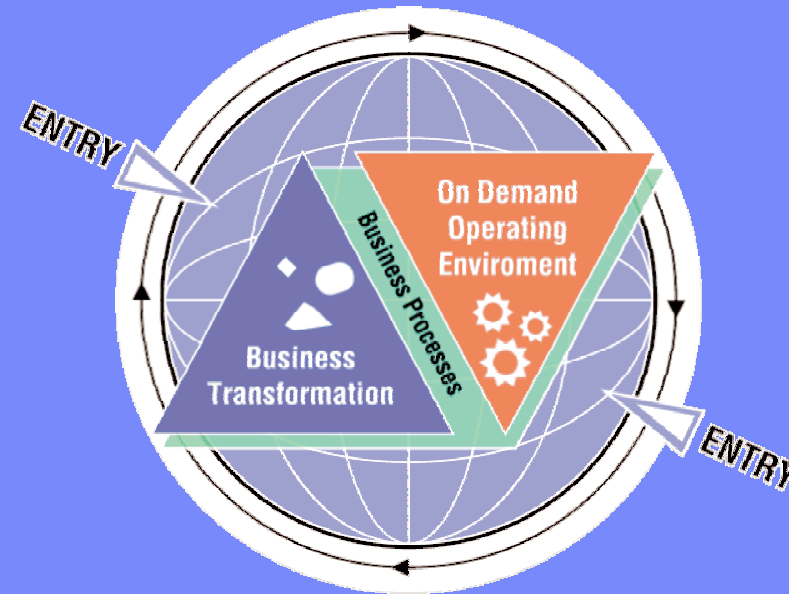
Integration aller Kernbereiche



Was ist ein On Demand Business?

Ein On Demand business ist ein Unternehmen das seine **Geschäftsprozesse integriert end-to-end** über Unternehmensgrenzen hinweg mit seinen Geschäftspartnern, Lieferanten und Kunden organisiert hat.

Dieses Unternehmen kann schnell auf veränderte Kundenwünsche, neue Geschäftschancen oder auf äußere Bedrohungen reagieren.



IBM Software ist die Grundlage für On Demand Business

Tivoli software

Sicherer Betrieb und kontrollierte Zugriffe auf die Ressourcen aller Kernbereiche

Lotus software

Workplace und Zusammenarbeit
- Produktivität, Attraktivität und Ergonomie

DB2 Information Management Software

Informations- und Contentmanagement - sichere und auswertbare Geschäftsdaten

WebSphere software

Flexible, schrittweise Integration von Prozessen und Services / Diensten

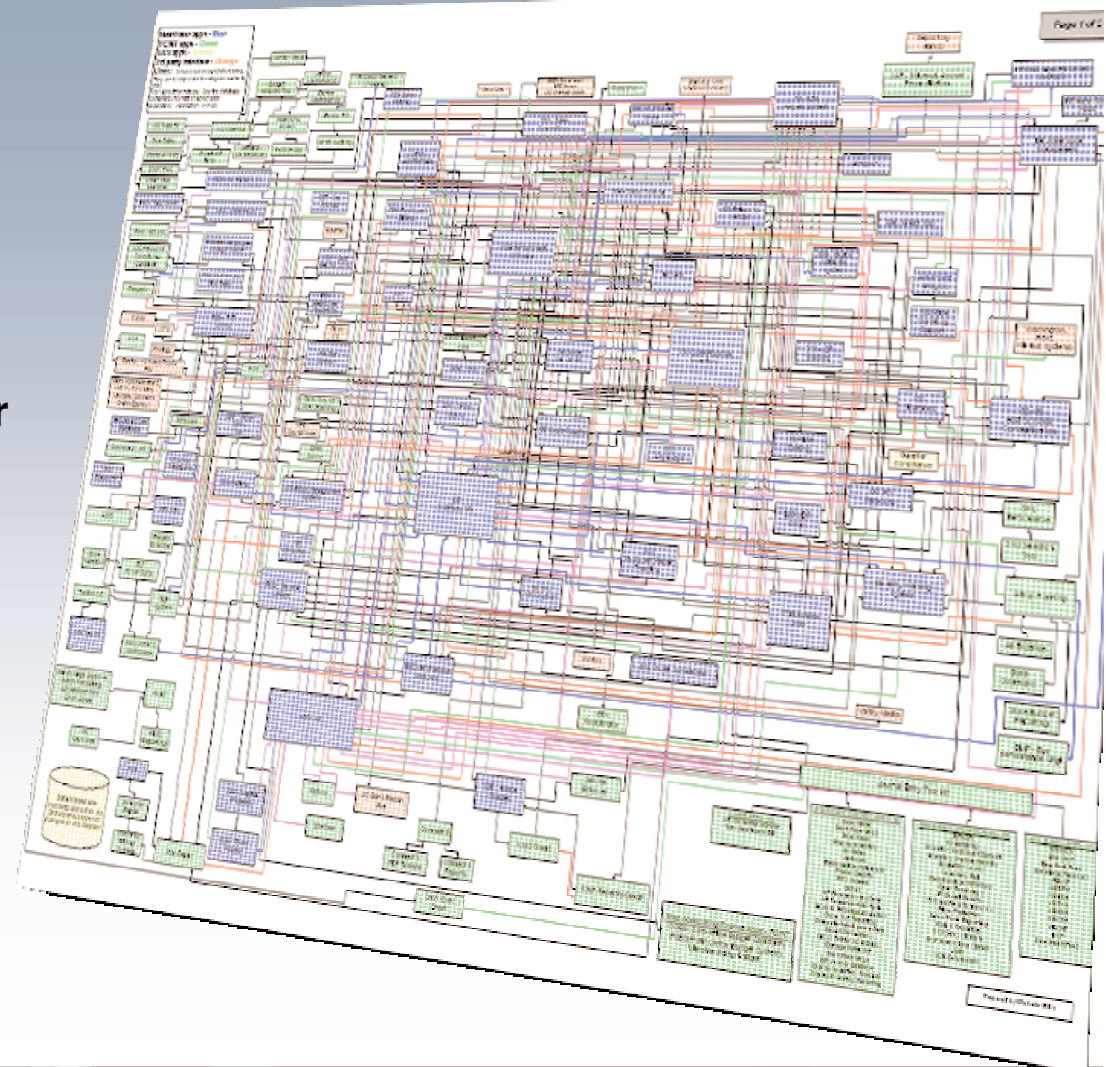
Rational software

Geschäfts- und prozeßorientierte Anwendungsentwicklung sowie Portfoliomanagement



Was hemmt Flexibilität und Wiederverwendung im Business?

- **Fehlende Standards für Geschäftsprozesse**
- **Beschränkte strategische Ausrichtung der IT-Architektur**
- **Punktuelle Anwendungskäufe zur Unterstützung redundanter LOB-Anforderungen**
- **Infrastruktur ohne Roadmap erstellt**



Ein flexibles Business benötigt eine flexible IT

Konstanter Wechsel erfordert offene Architekturen

Flexibles Business

Flexible IT

On Demand Operating Environment

Service Orientierte Architektur (SOA)

Entwicklung

Software-
entwicklung

Infrastruktur

Integration

Management

Infrastruktur
Management

Rational

Lotus

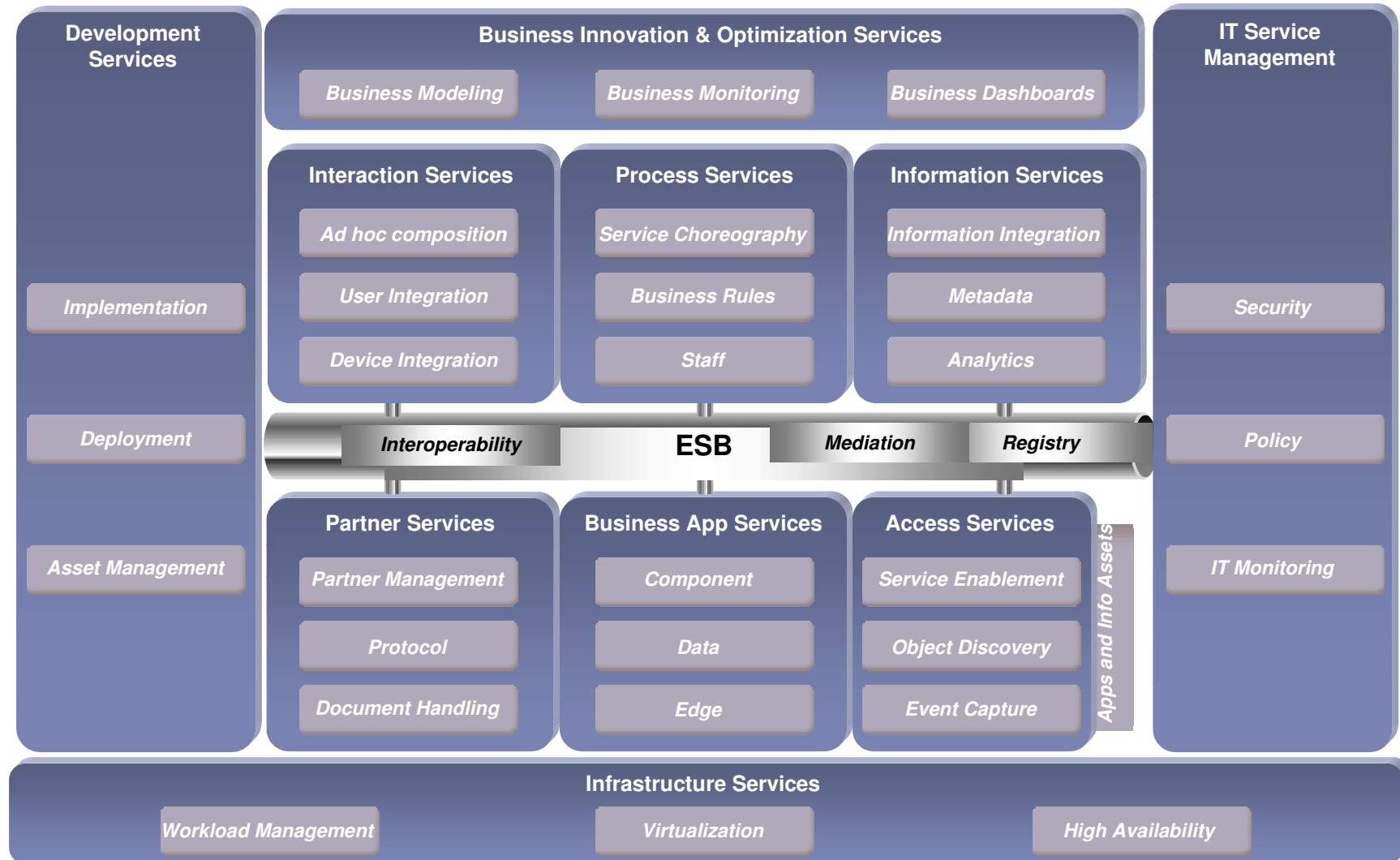
WebSphere

DB2

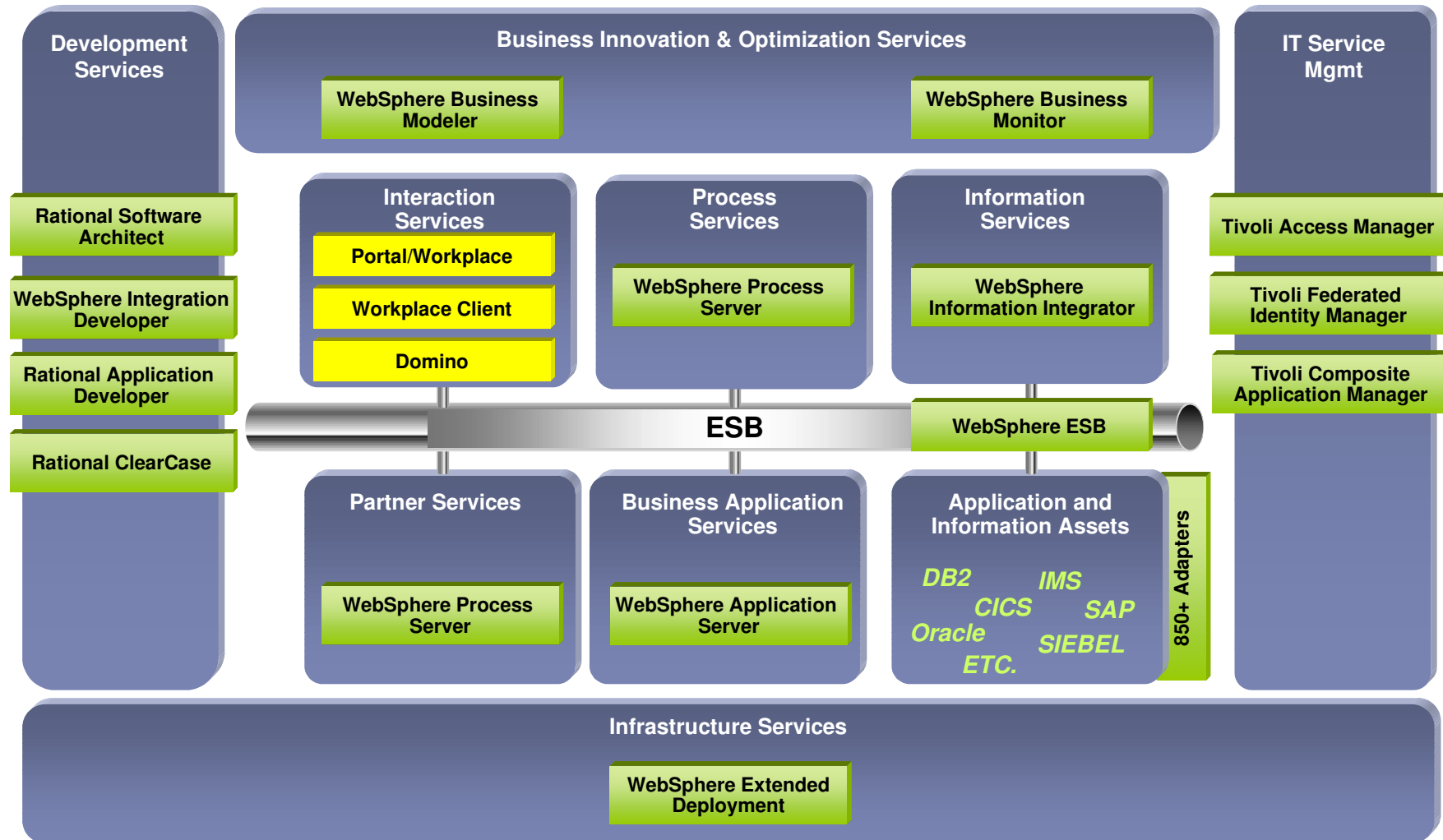
Tivoli

- Ziele
 - ▶ - Flexibilität und Belastbarkeit
 - ▶ - Herstellerabhängigkeit vermeiden
 - ▶ - Spielräume maximieren
- Offene Standards
 - ▶ - Interoperabilität erlauben durch offene Spezifikationen für APIs offene Protokolle und Datenformate
- Offene Architektur
 - ▶ - Ermöglicht flexible, rekonfigurierbare, wiederverwendbare und austauschbare Lösungen
- Open Source Software
 - ▶ - Offene Standards
 - ▶ - Baut auf die Innovationskraft der Internetgemeinde

SWG SOA Reference Architecture



SWG SOA Reference Architecture





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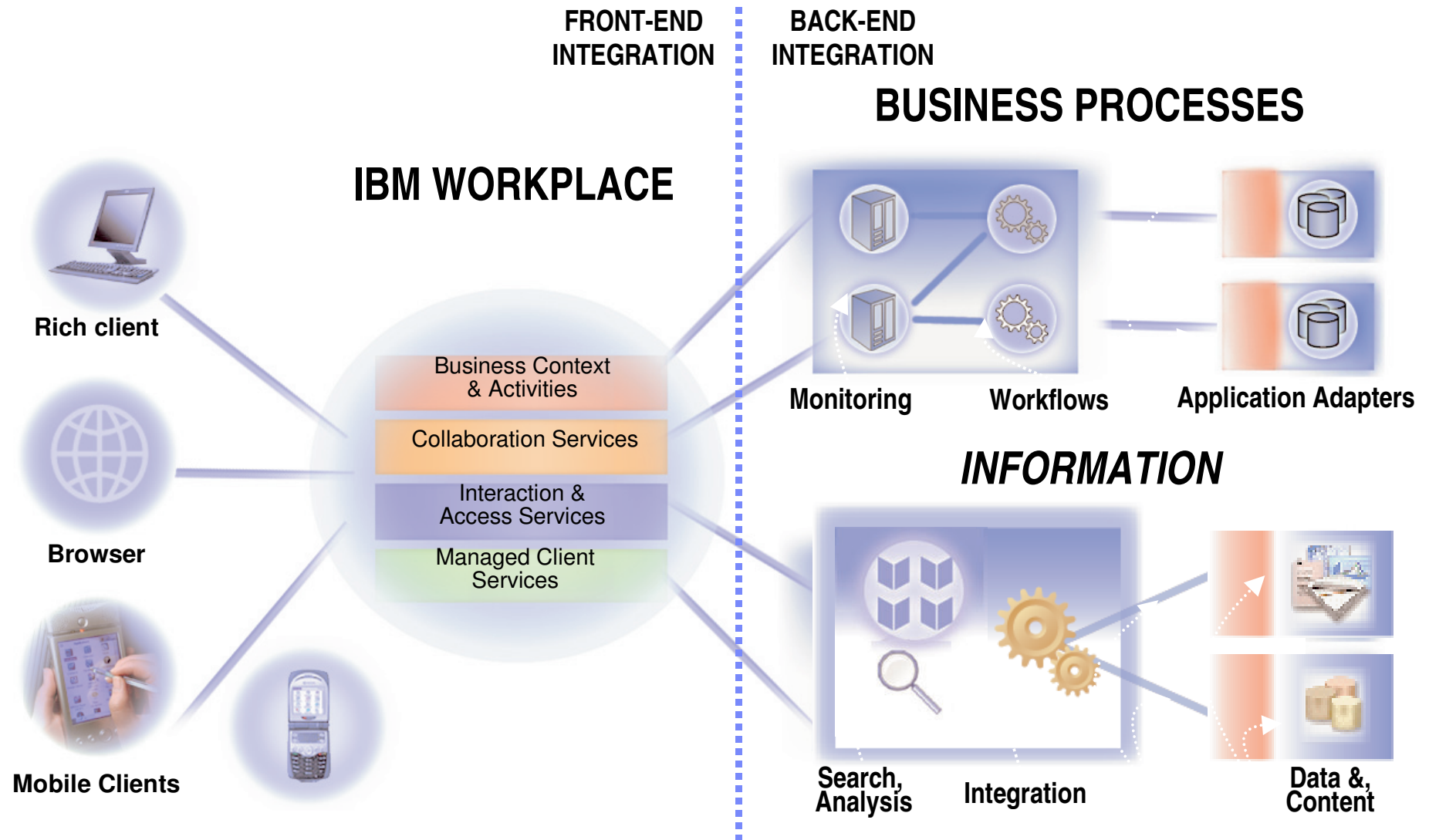
Überblick - Workplace Collaboration Services und Workplace Managed Clients



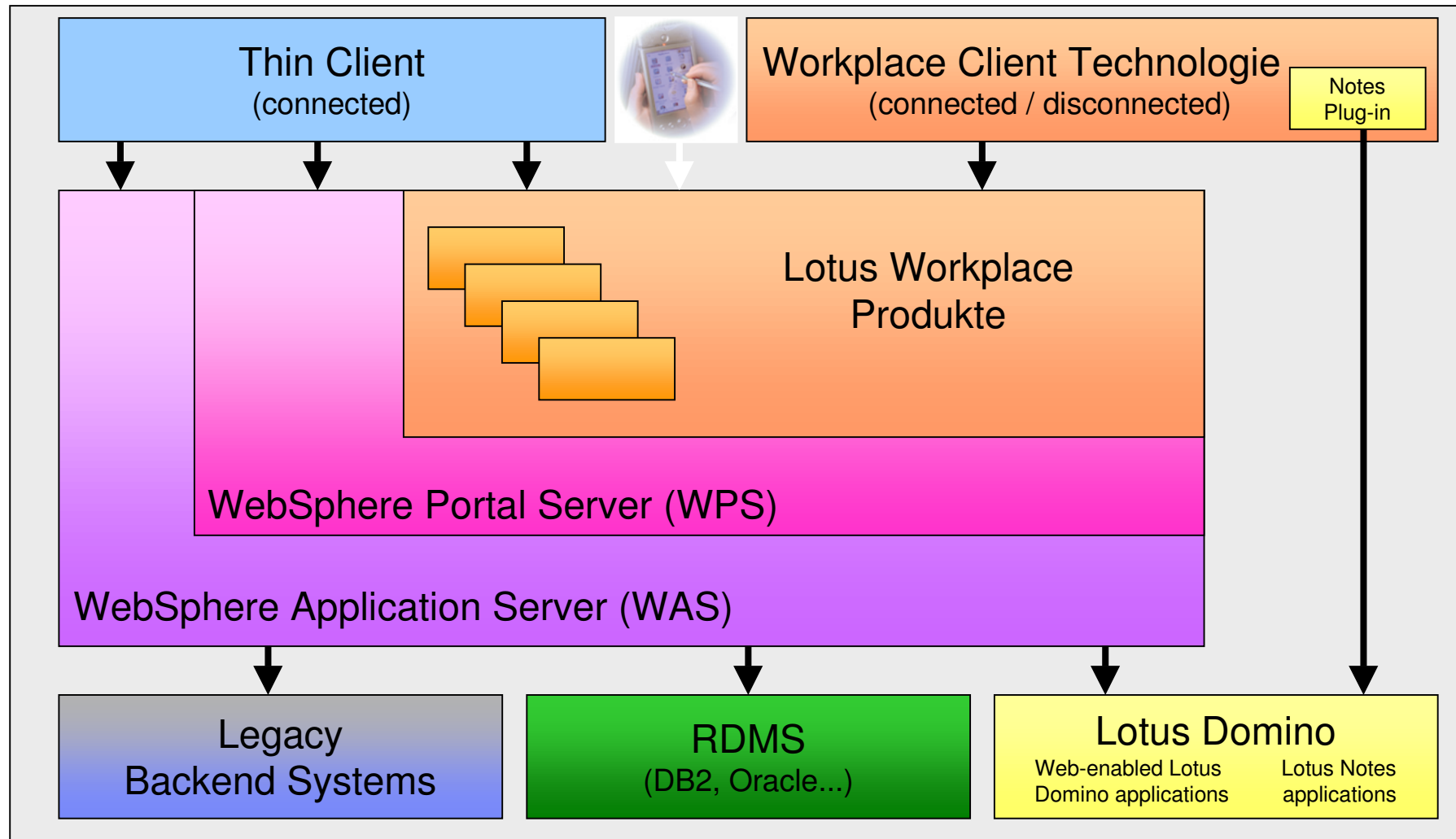
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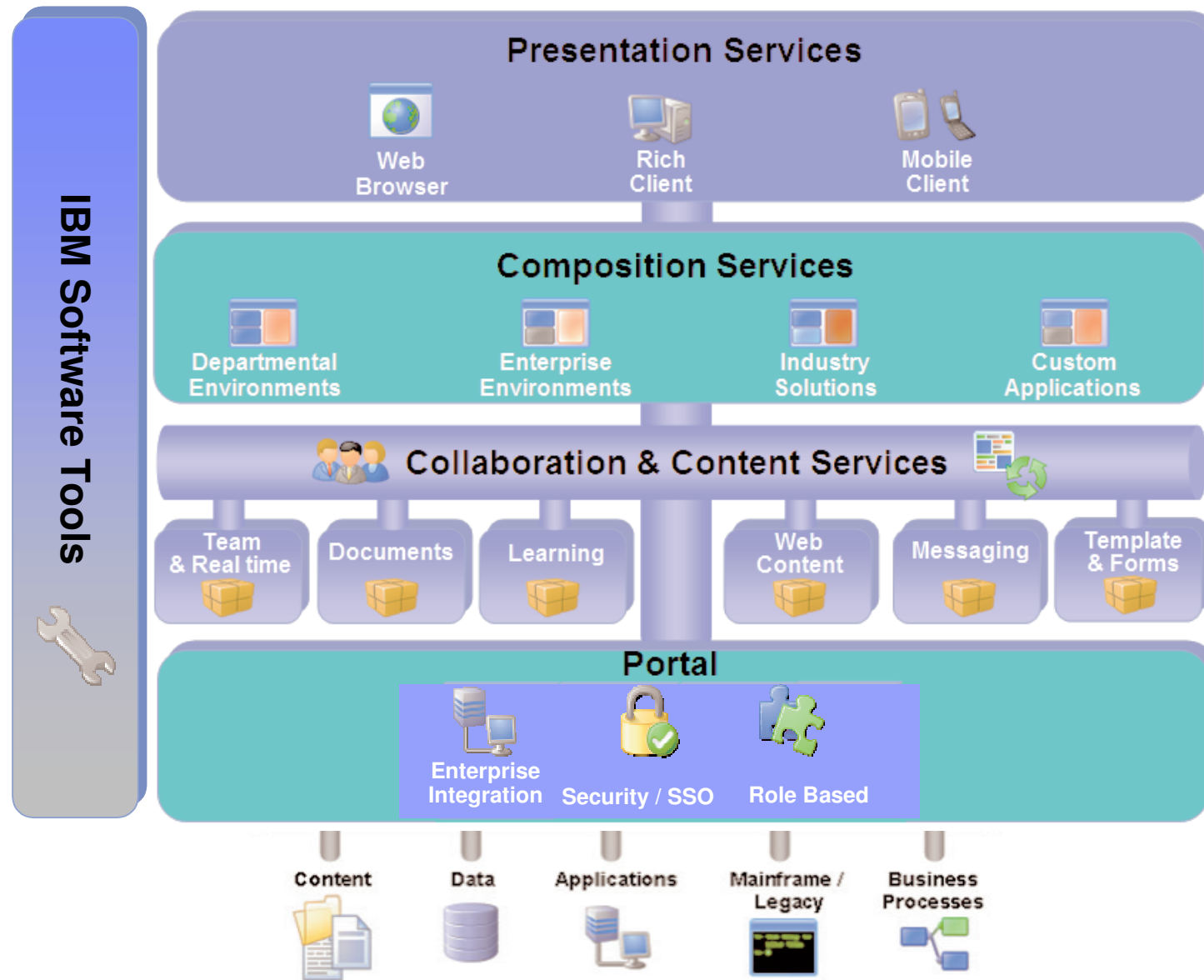
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Managed Client Model



Workplace Architektur







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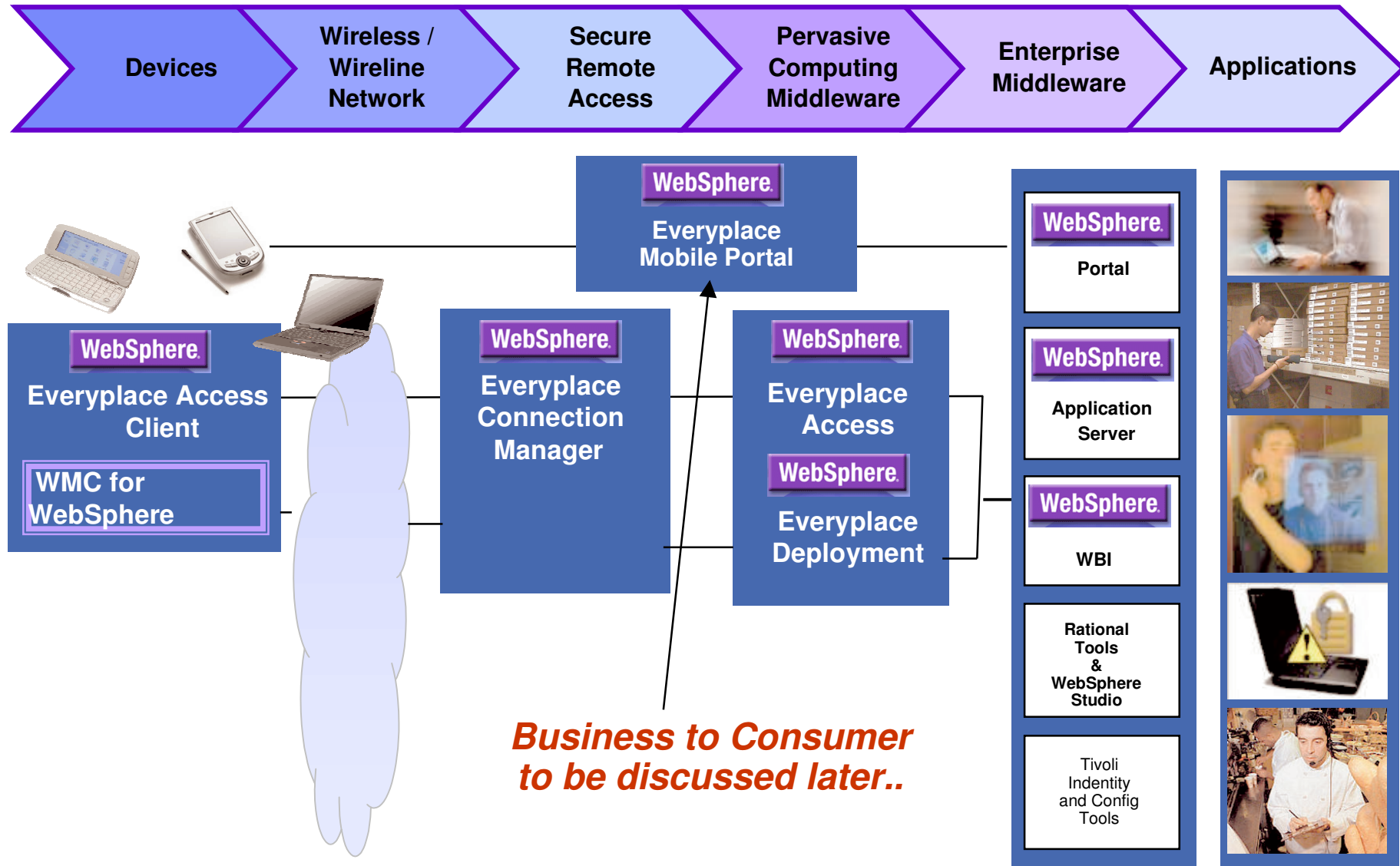
WebSphere Everyplace-Produktfamilie für die Anbindung mobiler Clients



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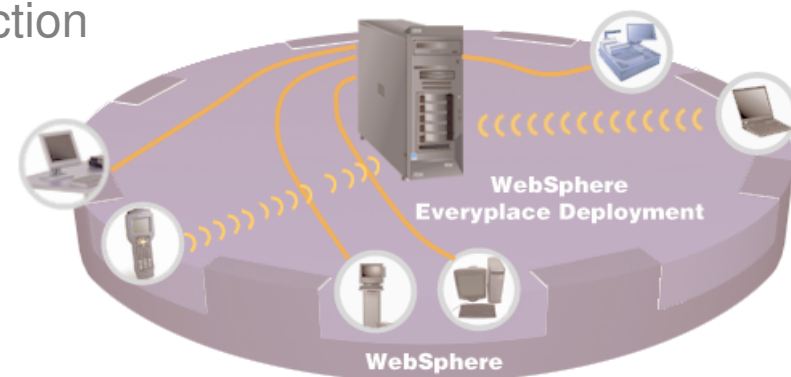
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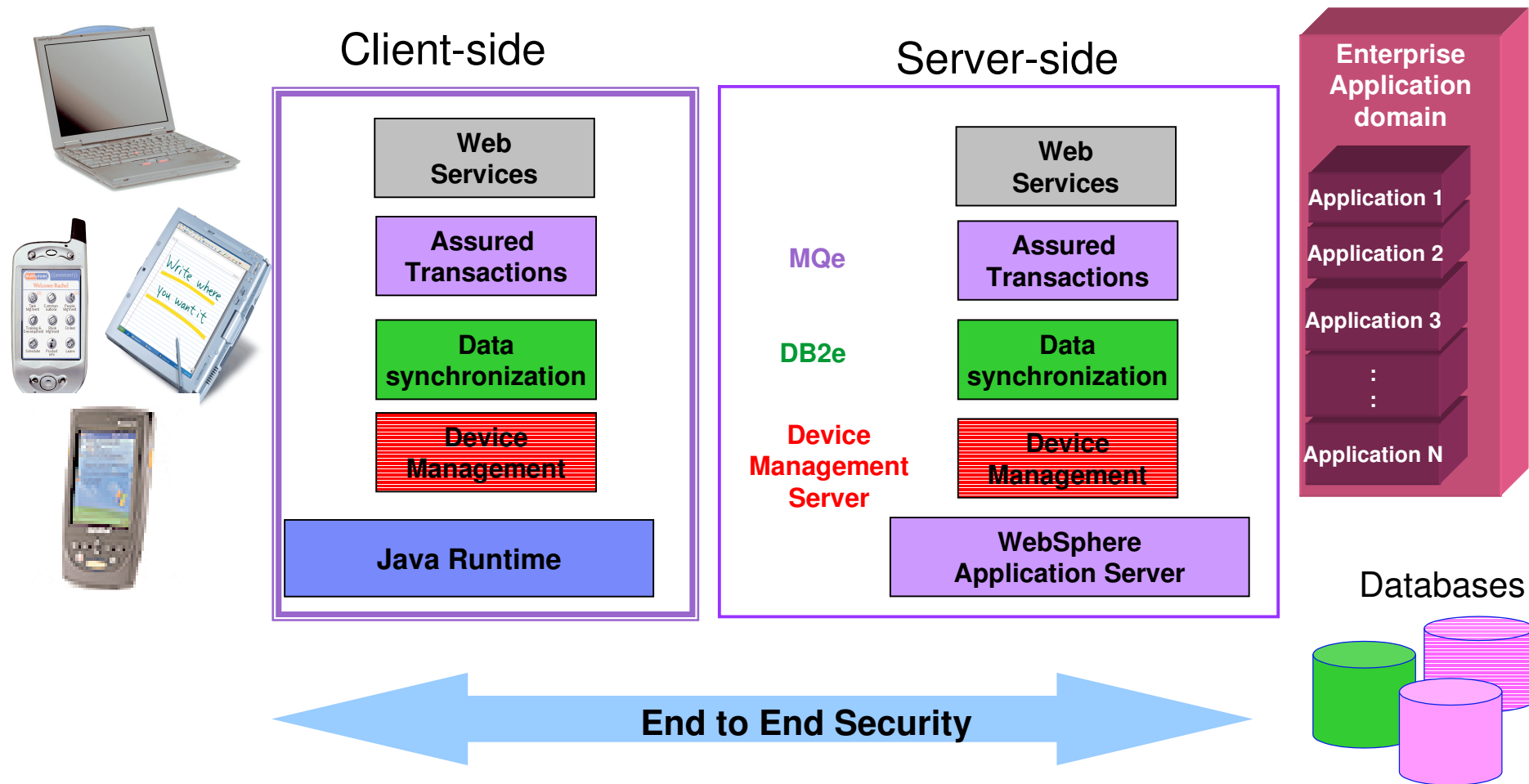


WebSphere Everyplace-Produktfamilie

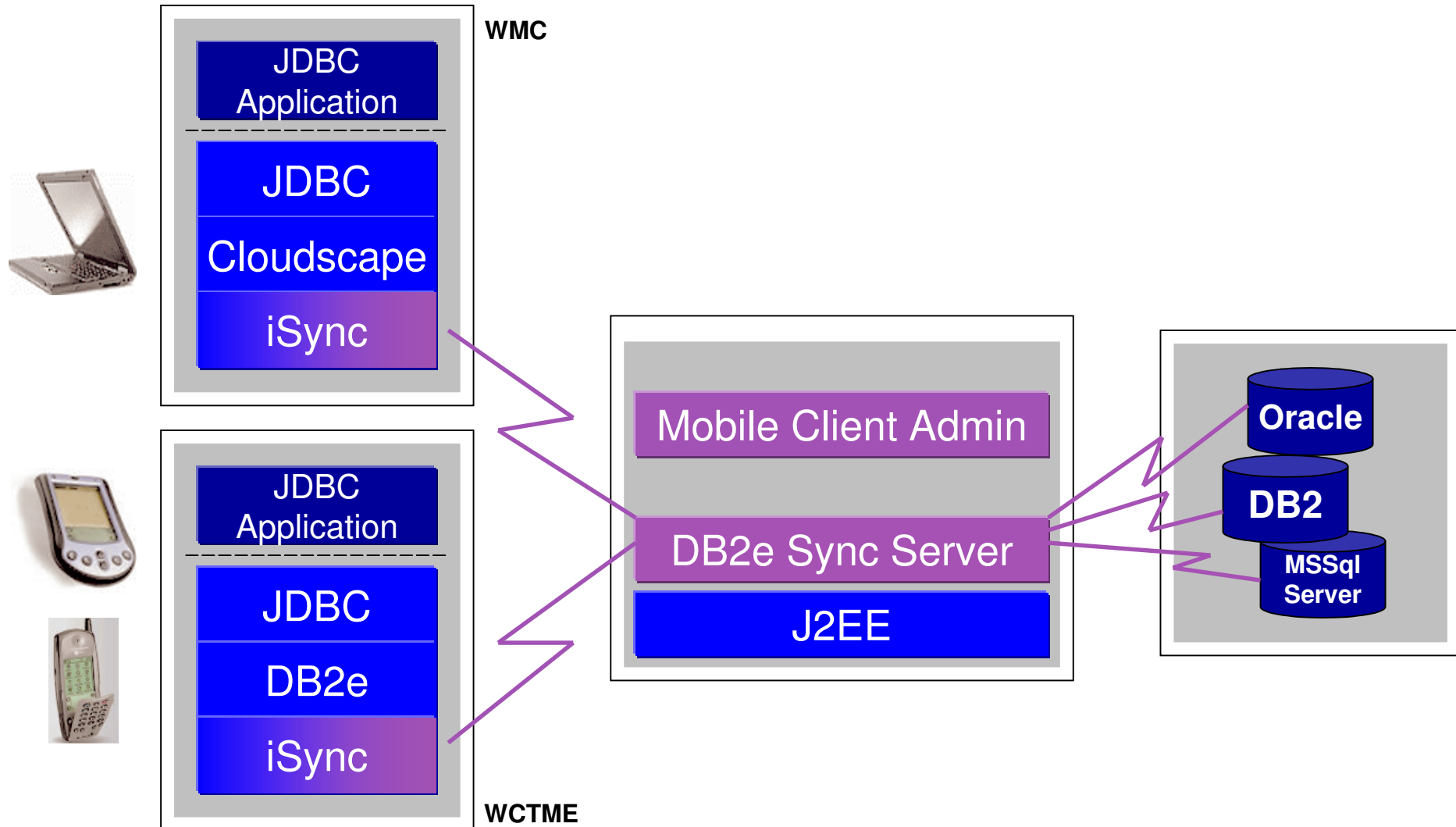
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WebSphere Everyplace Deployment End to End Solution Model



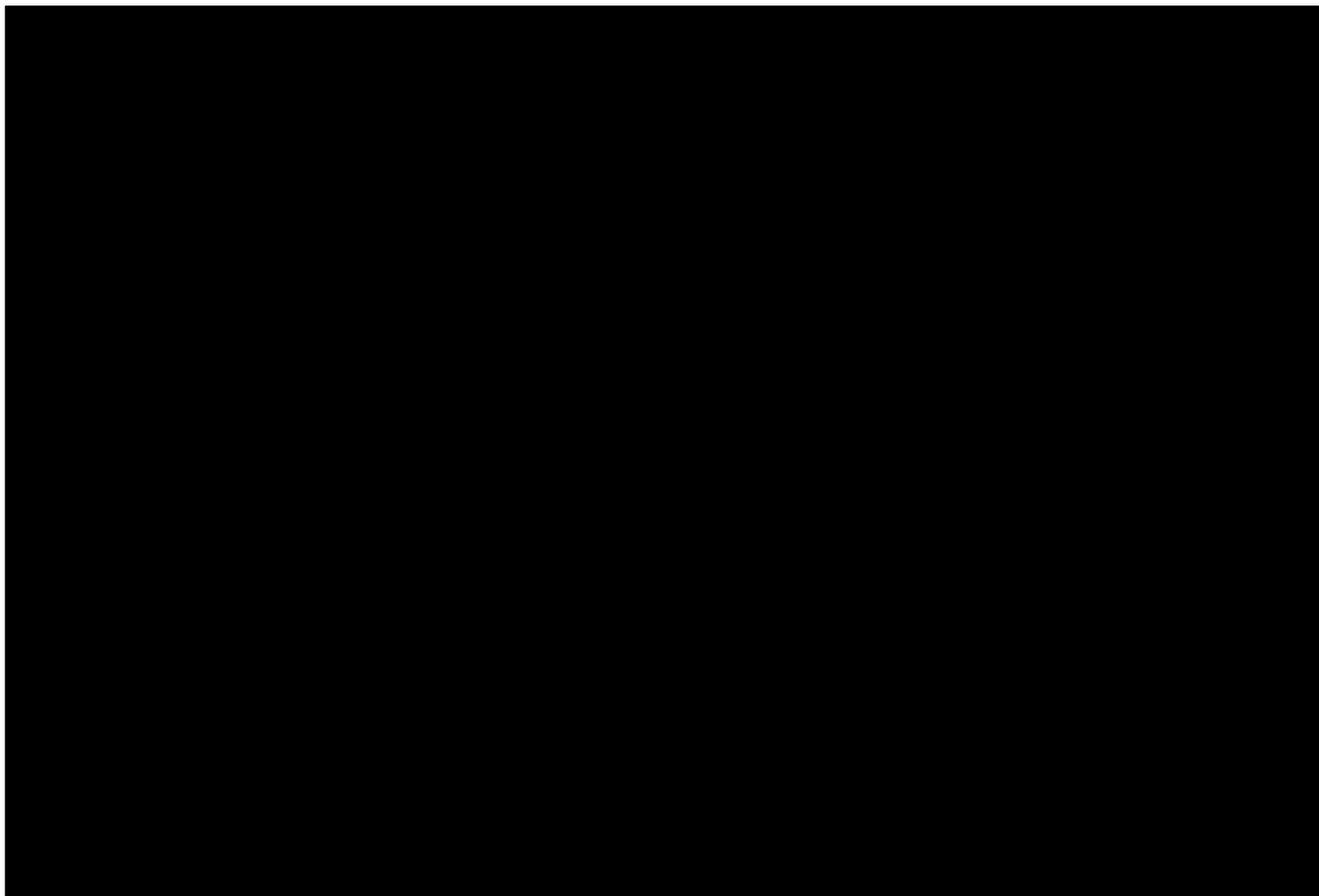
Relational Data Access End-to-End



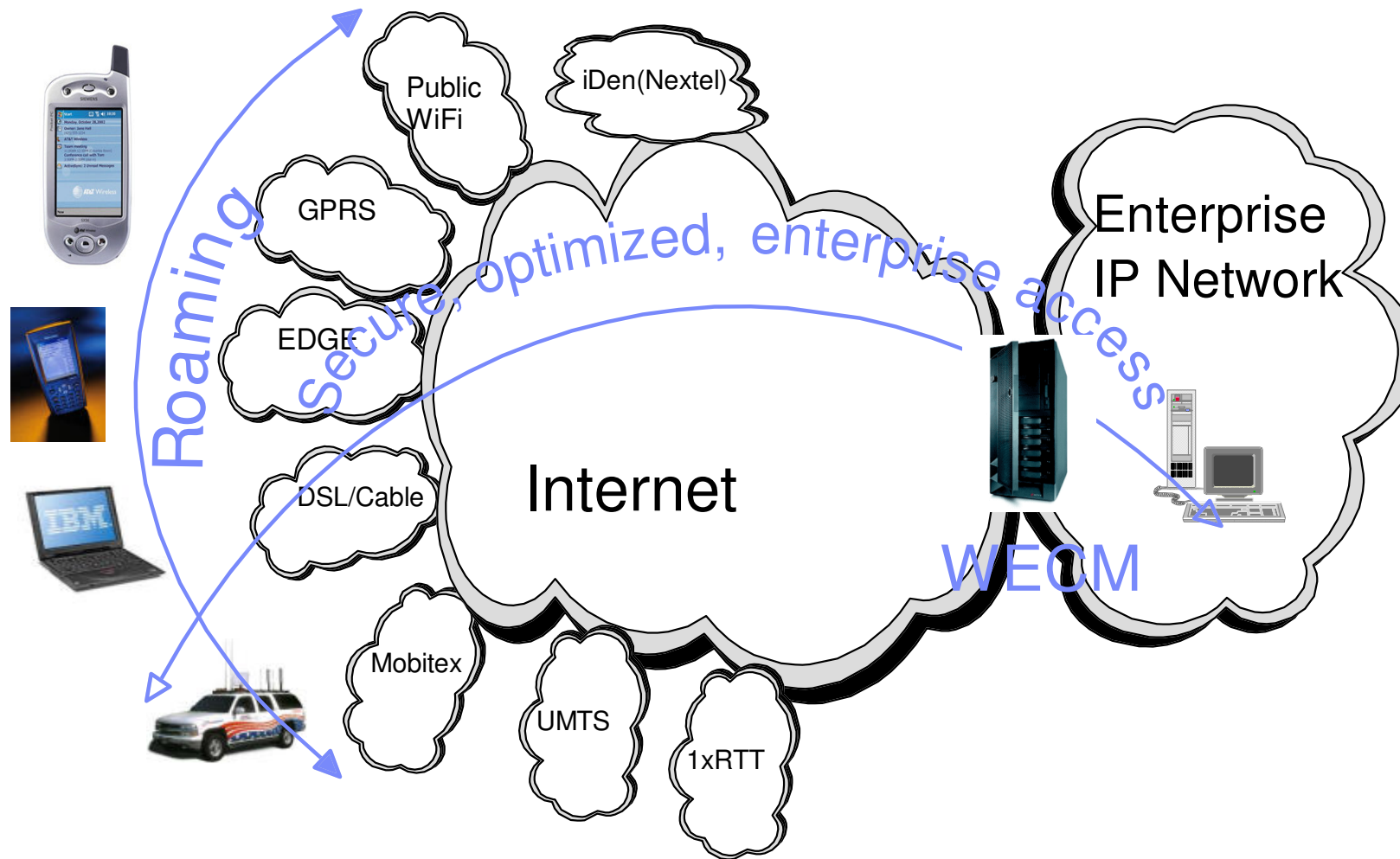
Websphere Everyplace-Produktfamilie

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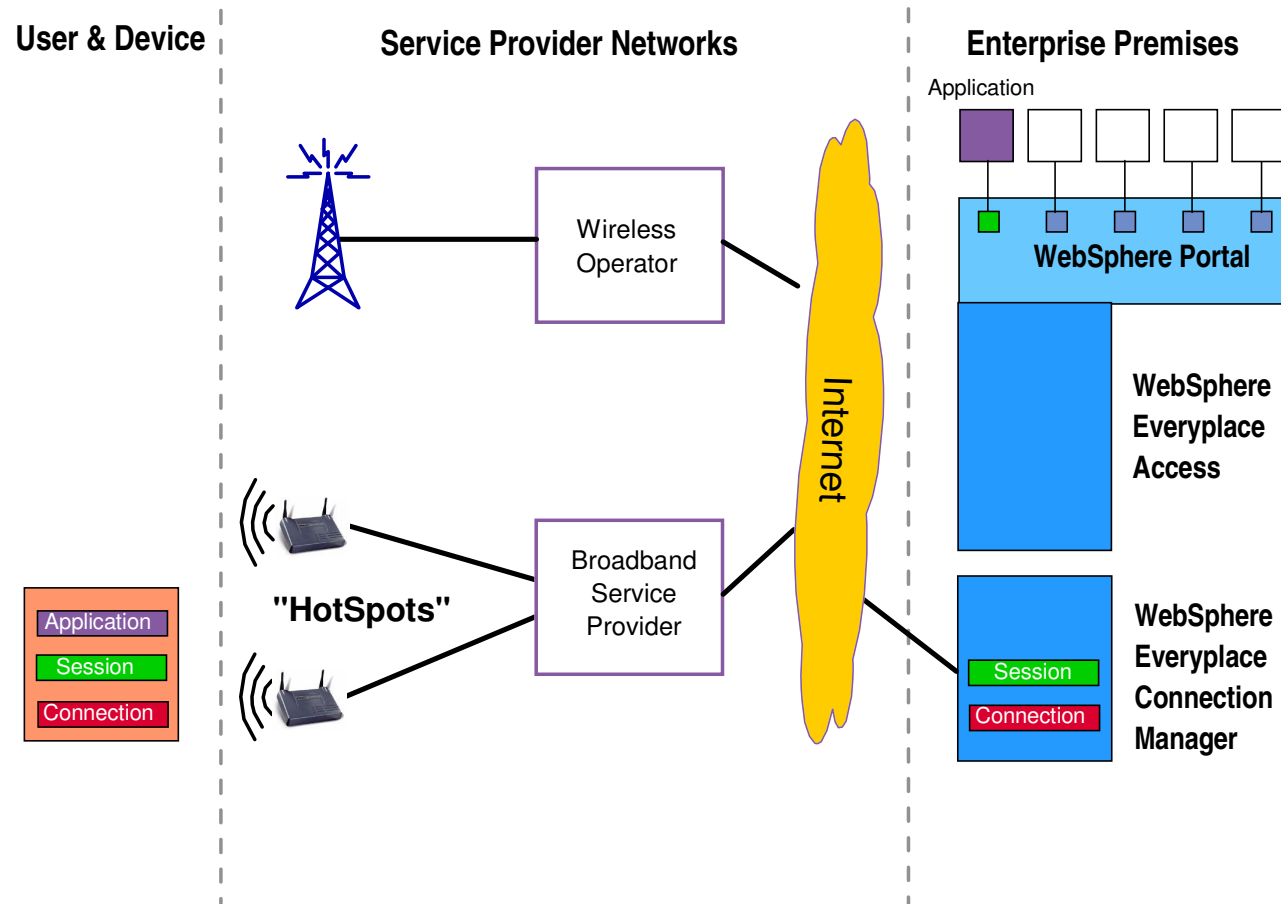




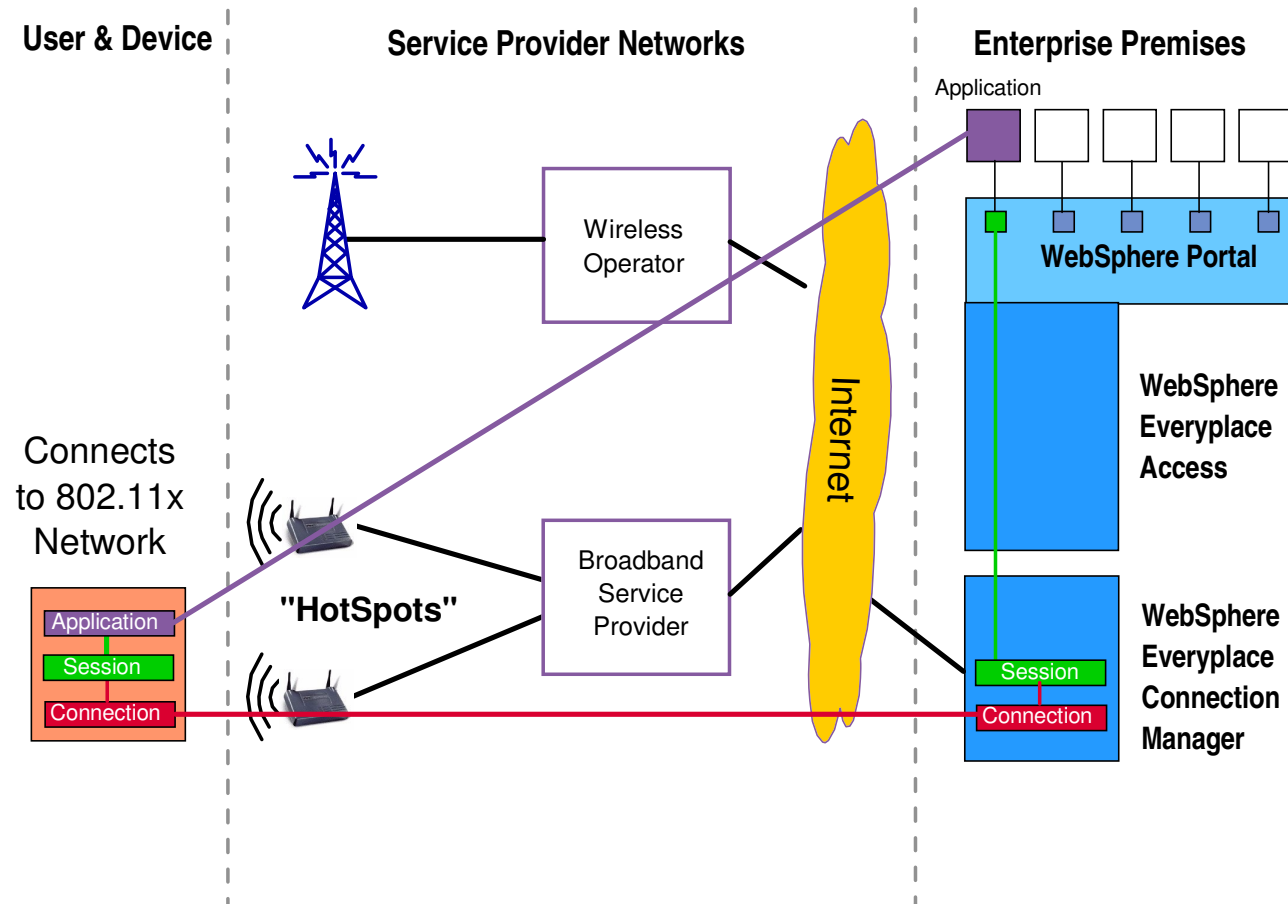
WECM High-Level Network Perspective



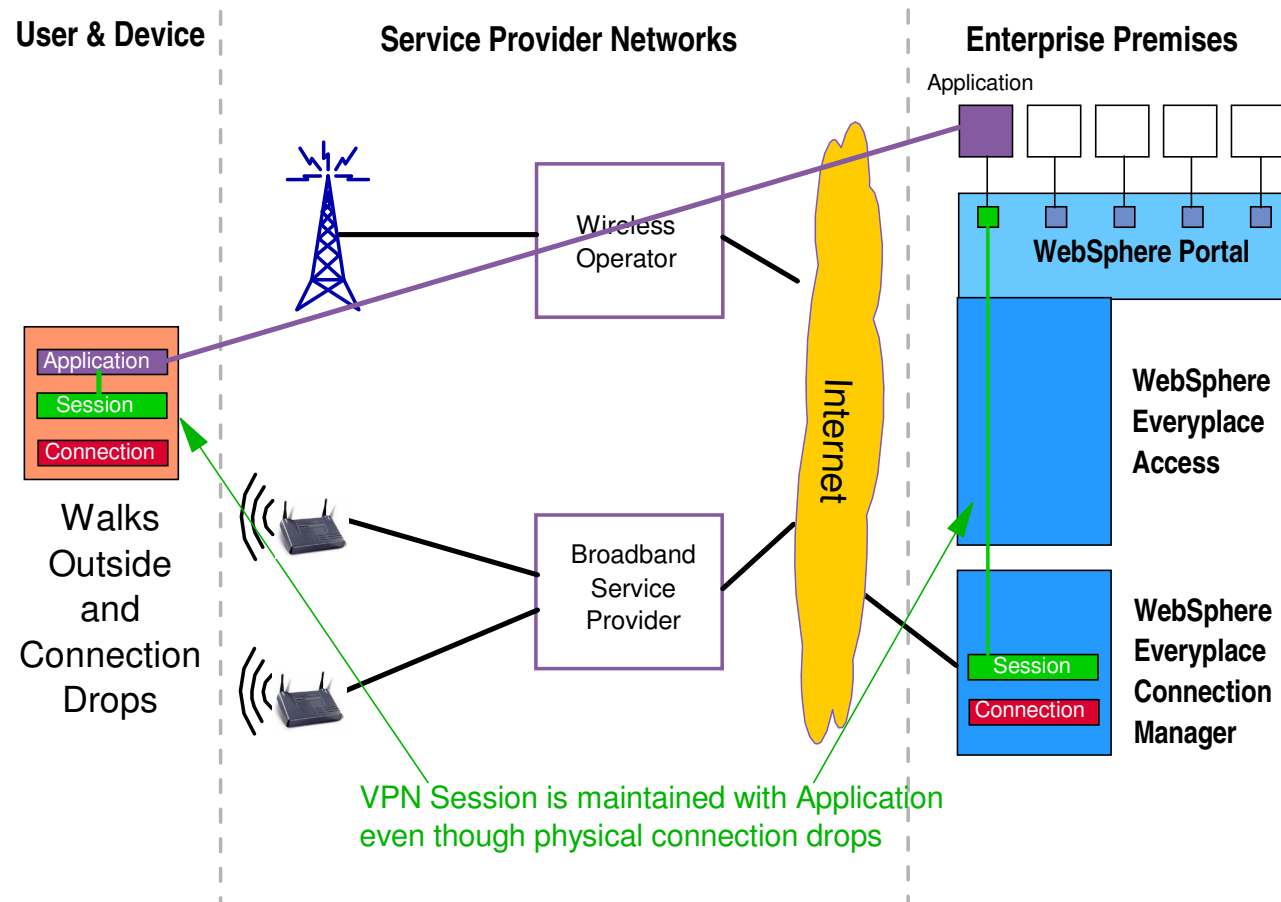
WiFi Wide-Area Roaming with WECM (example)



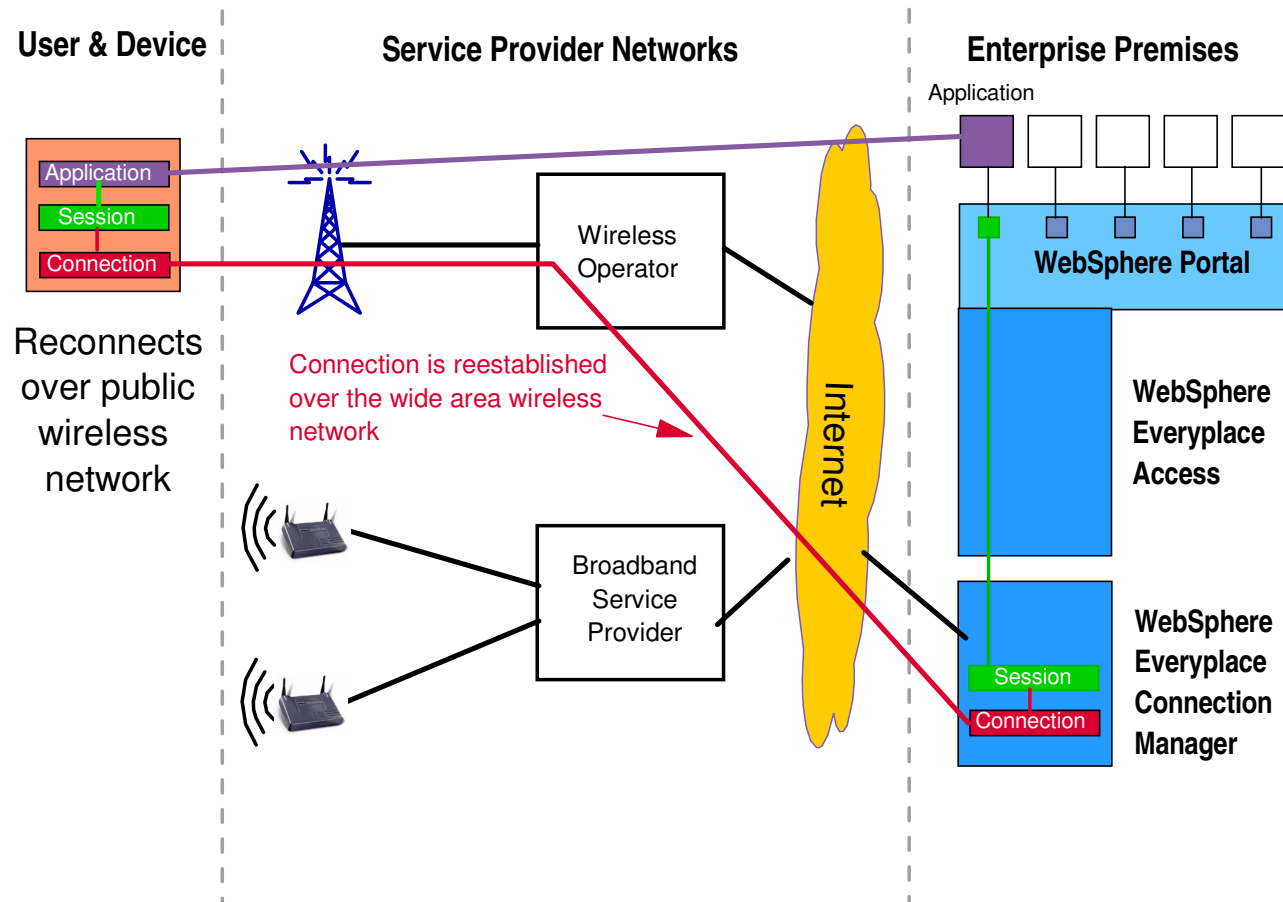
WiFi Wide-Area Roaming with WECM (example)



WiFi Wide-Area Roaming with WECM (example)

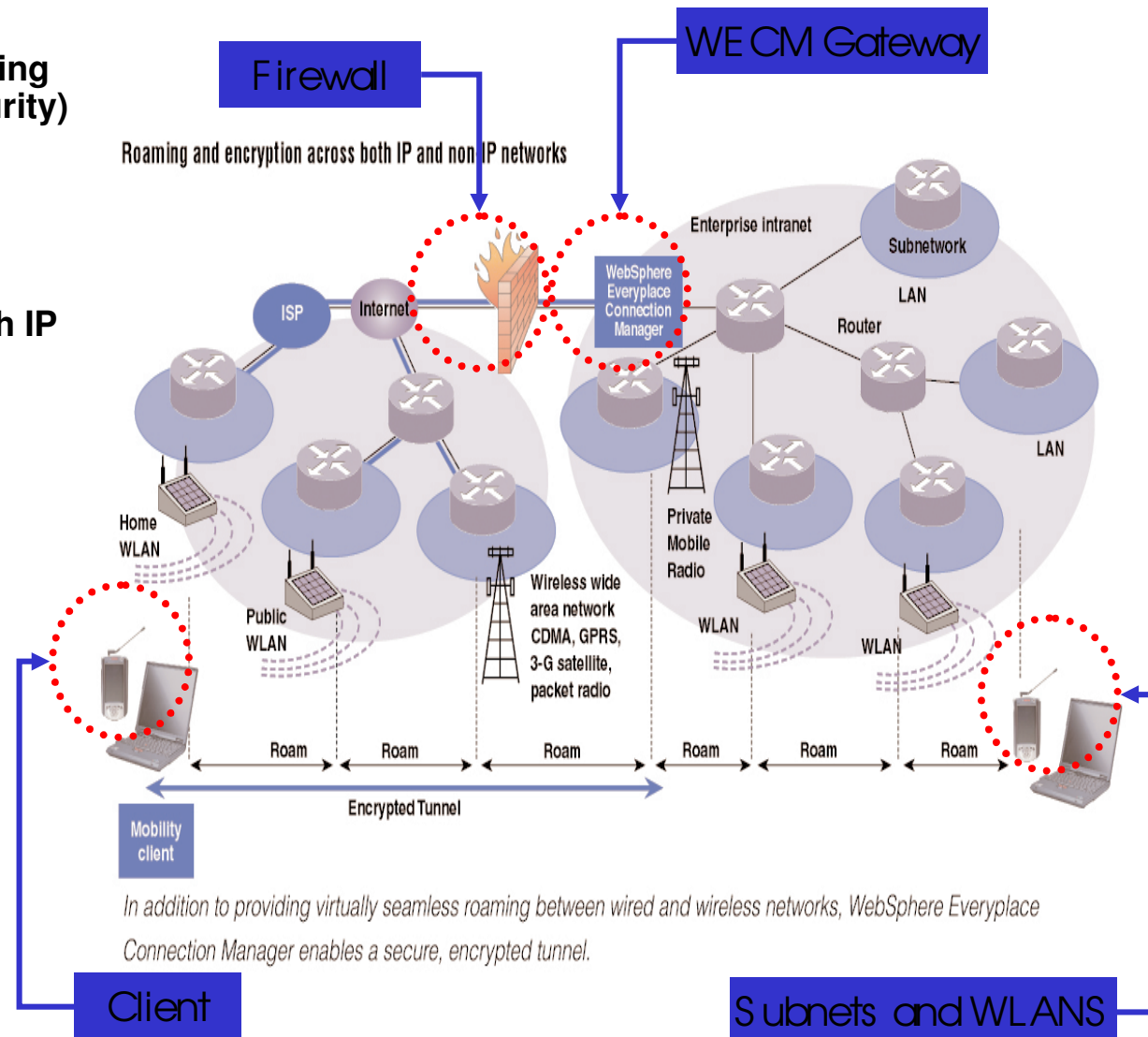


WiFi Wide-Area Roaming with WECM (example)



WebSphere Everyplace Connection Manager Provides Highly Secure Multi-Network Roaming

- **FIPS 140-2 certified (only roaming SW providing this level of security)**
- **Automated network sensing**
- **Seamless Roaming across both IP and non-IP networks**
- **Clientless HTTPS/SSL session support with Single Sign-on**
- **Bandwidth optimization for wireless networks**
- **Carrier-grade scalability**
- **Centralized administration**
- **Devices supported include Linux, PocketPC and Palm**

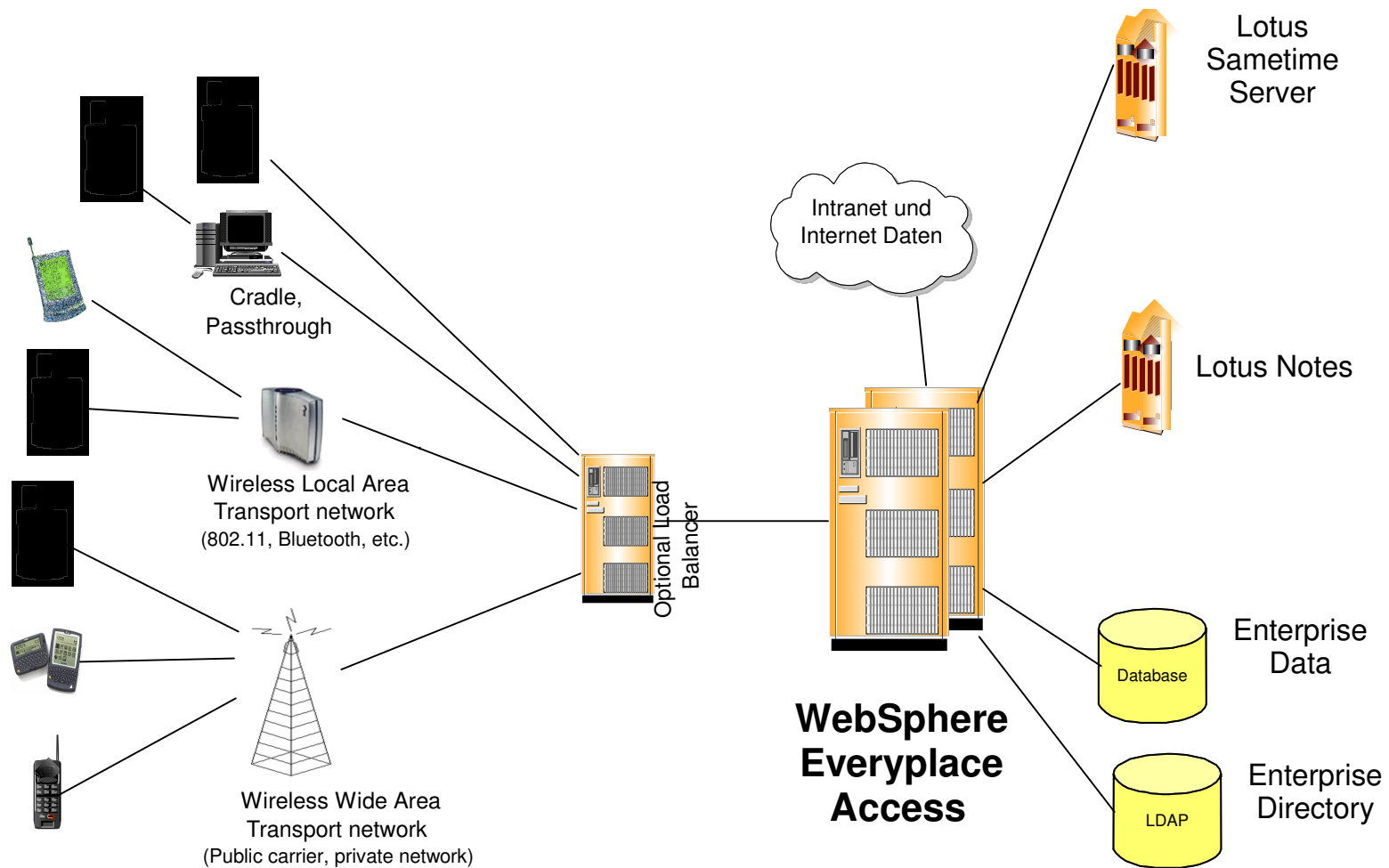


Websphere Everyplace-Produktfamilie

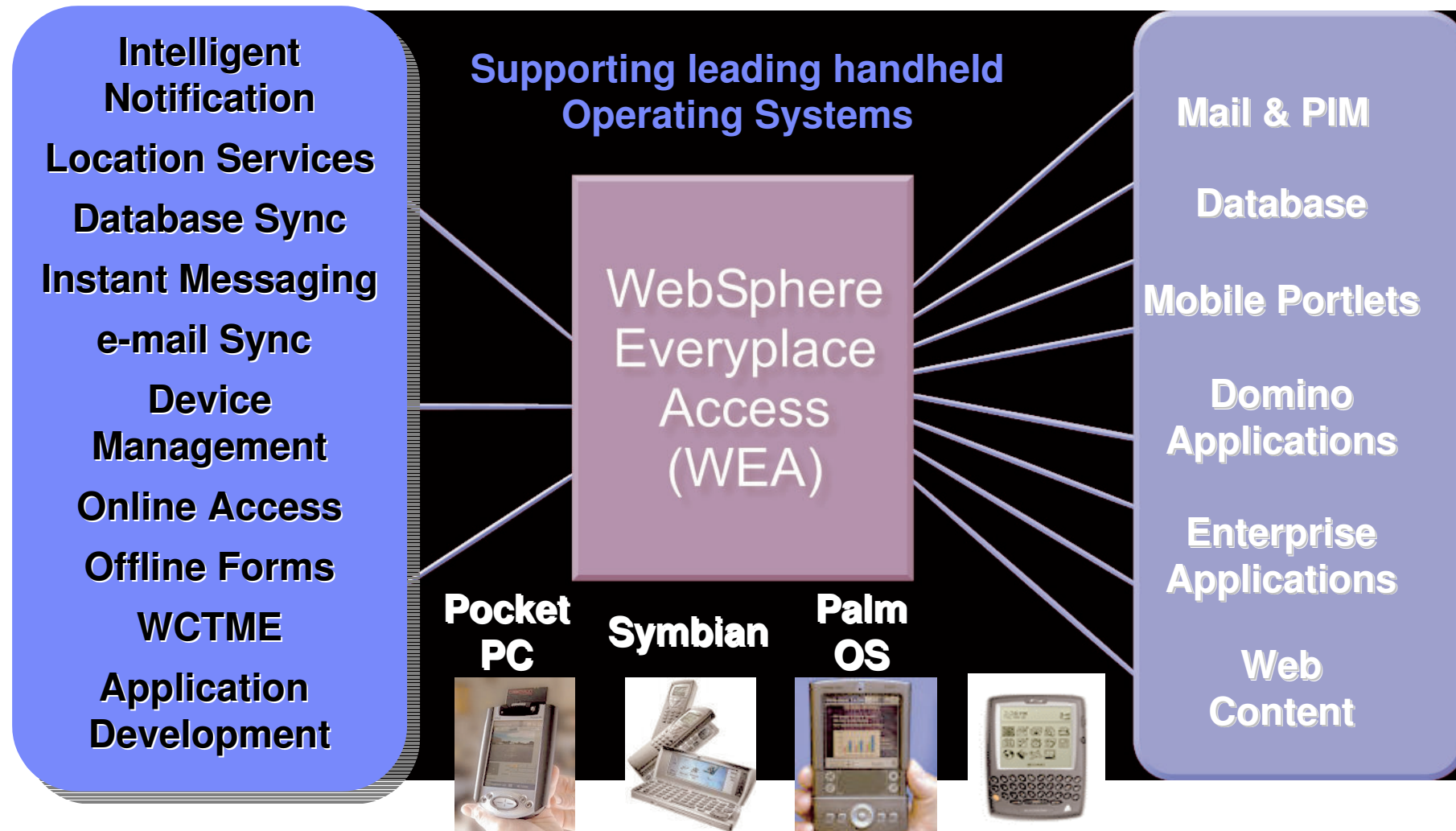
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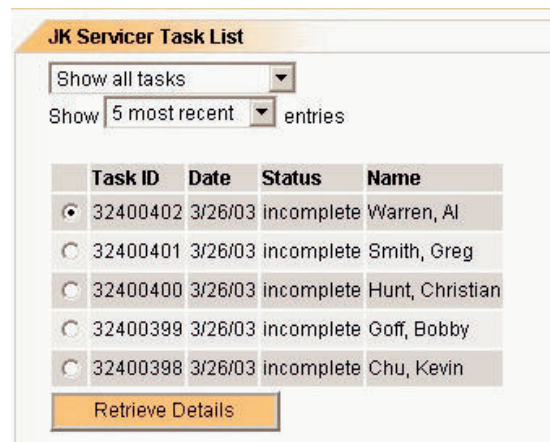
WebSphere Everyplace Access Positionierung



WebSphere Everyplace Access - Funktionen



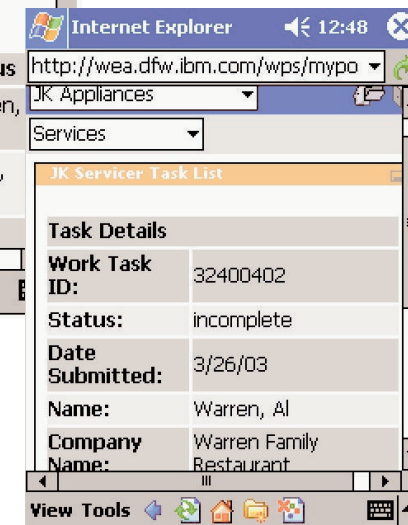
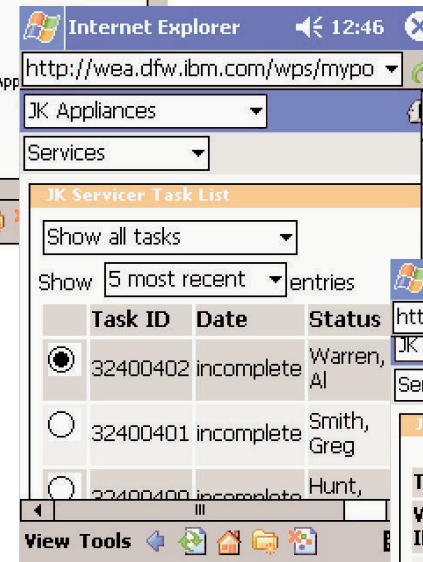
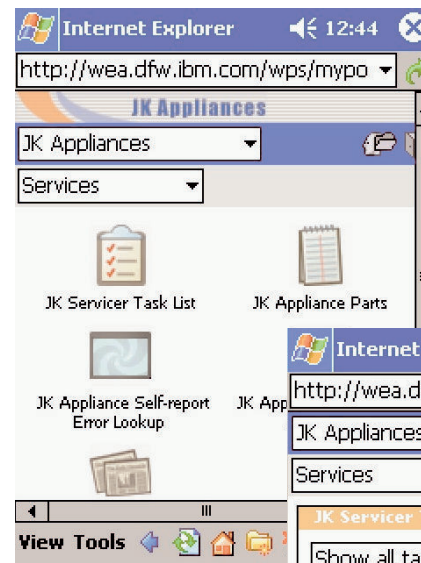
Beispiel einer Portlet-Applikation auf PocketPC



The portlets are rendered as icon on a Pocket PC, saving bandwidth and space

Opening the Service Task portlet reveals uncompleted tasks

And the details of each job



Task Details	
Work Task ID:	32400402
Status:	incomplete
Date Submitted:	3/26/03
Name:	Warren, Al
Company Name:	Warren Family Restaurant

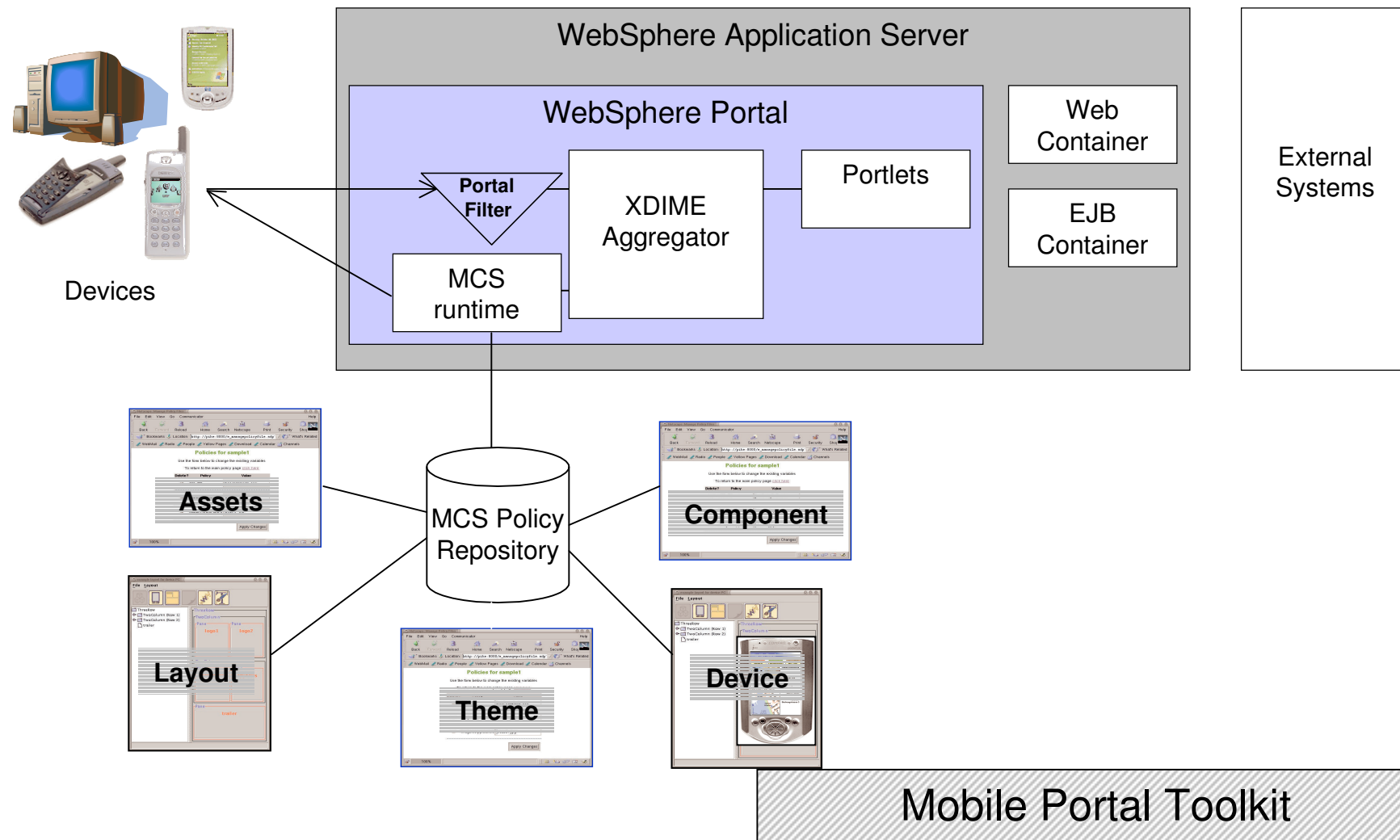


Websphere Everyplace-Produktfamilie

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- **WEMP – WebSphere Everyplace Mobile Portal**



Mobile Portal Architecture Overview



jk telecom

Mobile Portal Welcome My Favorites

Current news

IBM Brings Wi Fi to More Than 600 Boys and Girls Clubs
IBM today announced that it has built secure wireless computing environments -- known as Wi Fi -- for more than 600 Boys and Girls Clubs across the United States, providing Internet access for more than 200,000 children.

Report sees IT as Rx for pharmaceutical industry
Information technology has the power to transform the pharmaceutical industry, if businesses apply it correctly. That's the conclusion of Pharma 2010: Silicon Reality, a report from IBM Business Consulting Services (BCS).

IBM Makes Wireless Roaming More Secure
IBM today announced new software and services that set the bar higher for secure, seamless roaming across multiple types of wireless and wired networks.

Boston Public School District Using Unique Mobile/Wearable Computers
IBM and Xybernaut Corporation announced today that Boston Public Schools has received seven unique mobile computers co-developed by IBM and Xybernaut Corporation.

Current stocks

DOW JONES
10224.80 -58.03

NASDAQ
1966.35 -40.31

S&P 500
1116.35 -9.03

21:01 GMT.

Symbol	Last Sale	Net Change	Percent
IBM	\$ 97.33	\$ 0.02	0.02%
MLM	\$ 52.20	\$ 0.20	0.38%
NOK	\$ 15.71	\$ 0.10	0.64%

Data delayed at least 20 minutes.
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IBM <http://www.ibm.com>
Webshots <http://www.webshots.com/mobile>



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Vacation

Would you like to see deals on vacation packages?

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Additional References

- WebSphere Everyplace Connection Manager Information Page
 - ▶ http://www.ibm.com/software/pervasive/ws_everyplace_connection_manager/
- WebSphere Everyplace Access Information Page
 - ▶ http://www.ibm.com/software/pervasive/ws_everyplace_access/
- WebSphere Everyplace Mobile Portal product page:
 - ▶ http://www.ibm.com/software/pervasive/ws_everyplace_mobile_portal/
- IBM Pervasive Computing
 - ▶ www.ibm.com/pervasive

Thank you!

