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# Cisco Mobile Pilot

Colin Seward - MCOE

April 11<sup>th</sup> 2002

# Productivity Gains from Internet Business Solutions (FY2001)

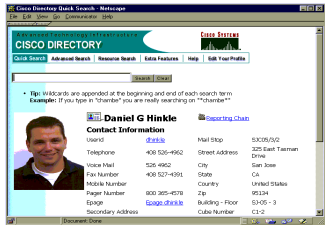
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<b>Internet Business Solutions</b>	<b>Productivity Gains</b>
<b>Customer Care</b>	<b>\$827 million</b>
<b>Workforce Optimization</b>	<b>\$551 million</b>
<b>Supply Chain Management</b>	<b>\$284 million</b>
<b>E-Learning</b>	<b>\$42 million</b>
<b>Total Productivity Gains</b>	<b>\$1,704 million</b>

# Workforce Optimisation at Cisco

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## Directory



## CiscoCast



## Infocenter

## VoD

## Training

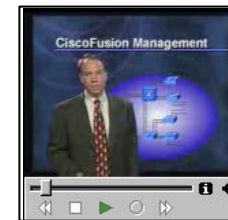


## Employee Connection



## Executive Information System

## IP TV



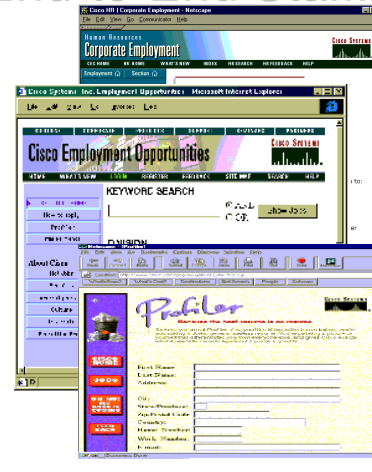
## FAST Start



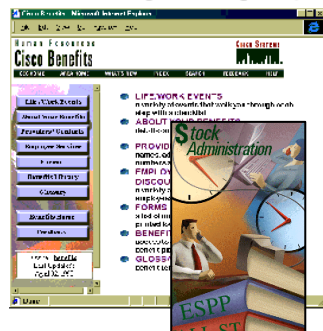
## Travel & Expense



## End-to-End Staffing



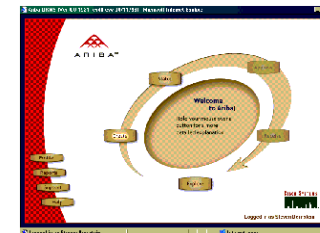
## Benefits Enrollment



## Technical Support



## Corporate Procurement



# Scope

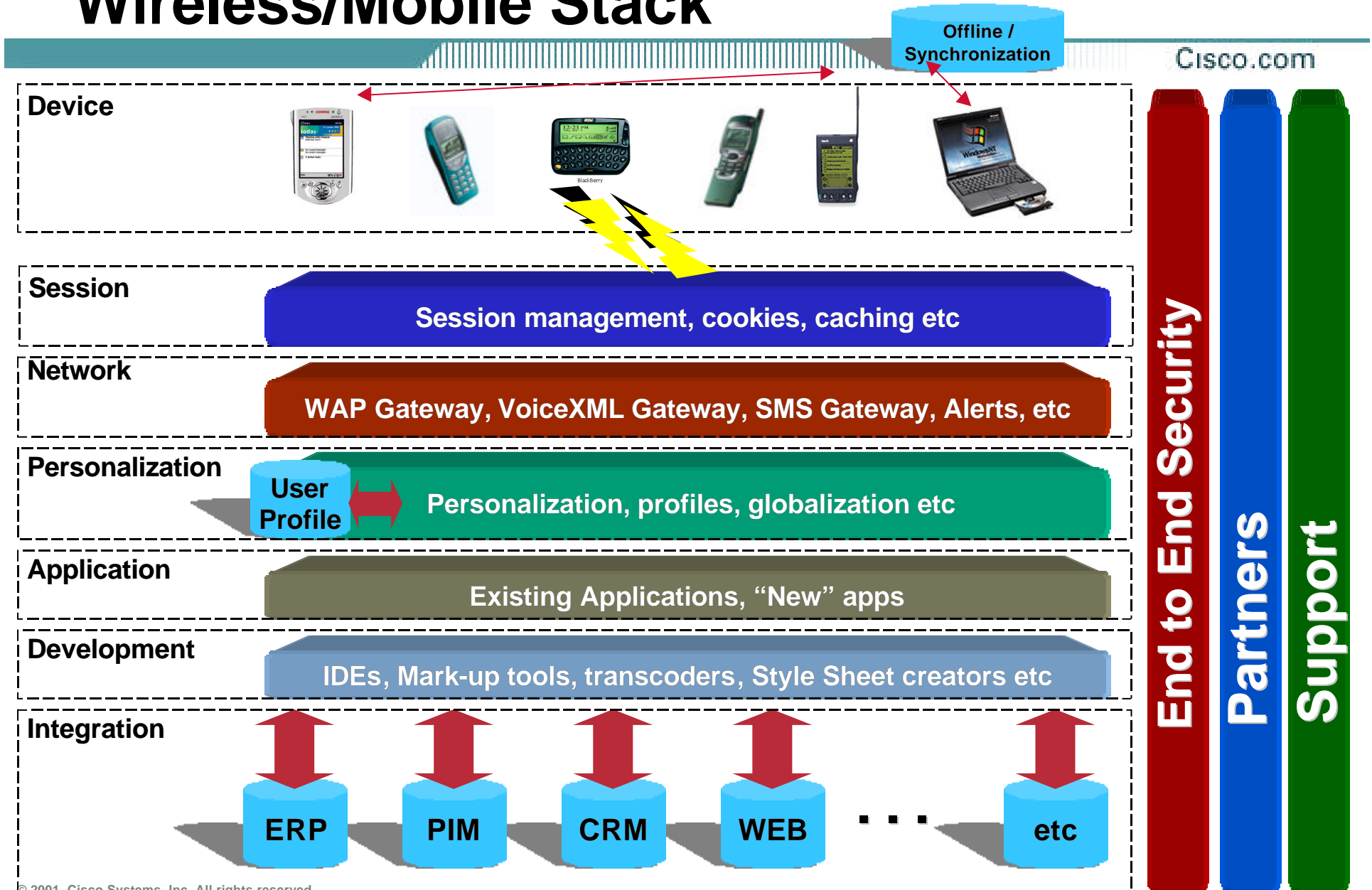
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<b>User Type</b>	<b>Business + IT</b>
<b># of users</b>	<b>20 + 20 + 18</b>
<b>Groups</b>	<b>Mobile Sales Team, Channel Sales, ESMB</b>
<b>Funding</b>	<b>Client Funded Model</b>
<b>Geography</b>	<b>UK</b>
<b>Channels</b>	<b>Wireless PDA, WAP phone, SMS, Speech recognition</b>
<b>Applications</b>	<b>eSales, elearning, CiscoCast, Exchange 2K, Directory etc</b>
<b>Technology</b>	<b>WML, SMS, HTML etc</b>
<b>Vendors</b>	<b>Target is to be brand/vendor agnostic as far as possible</b>
<b>PDA</b>	<b>Compaq iPaq 3660 (PocketPC) and iPaq 3700 (Pocket PC2002)</b>
<b>WAP phone</b>	<b>Motorola T260 GPRS phone and Ericsson R520</b>
<b>Carrier</b>	<b>BT Cellnet</b>
<b>Support</b>	<b>Client Services - best effort basis plus GSTS helpdesk</b>

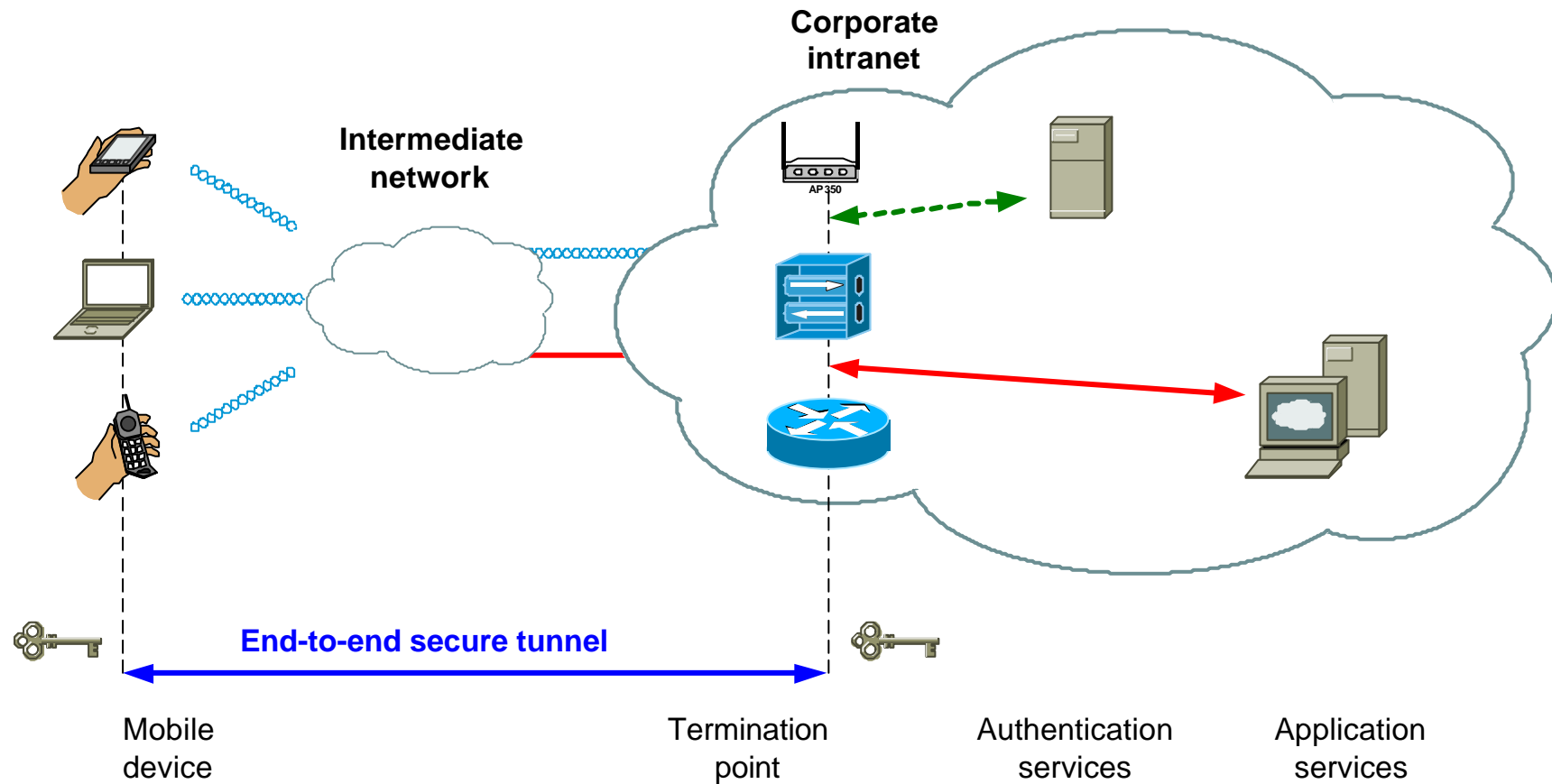
# Phases

Phase	Description	Summary
1	<b>Companion Device</b>	PocketPC - synchronise with laptop / desktop
2	<b>Simple Client</b>	PocketPC - access network via aironet or cable
3	<b>Mobile Client</b>	PocketPC - access network via GPRS with VPN GPRS WAP Phone – access via IOS WAP g/w Laptop – using GPRS phone as a modem
4	<b>Full Client</b>	Pocket PC - access to more network resources
5	<b>Expand Pilot</b>	PocketPC & WAP - Increase in number of apps, users and geographies.
6	<b>Alerts</b>	SMS - Push technology
7	<b>Voice Services</b>	VoiceXML - assessment of platform requirement

# Wireless/Mobile Stack



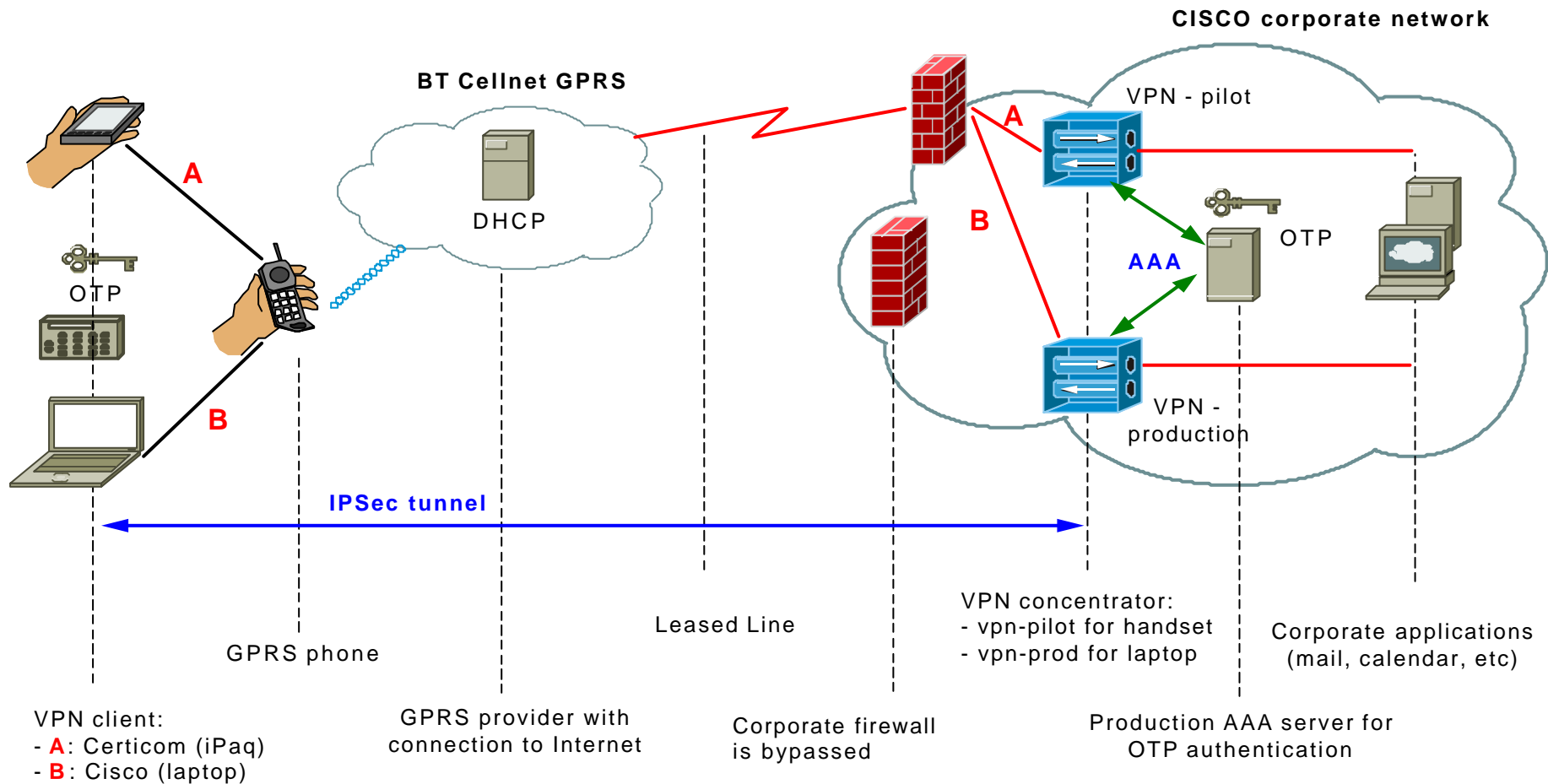
# High-level wireless network architecture





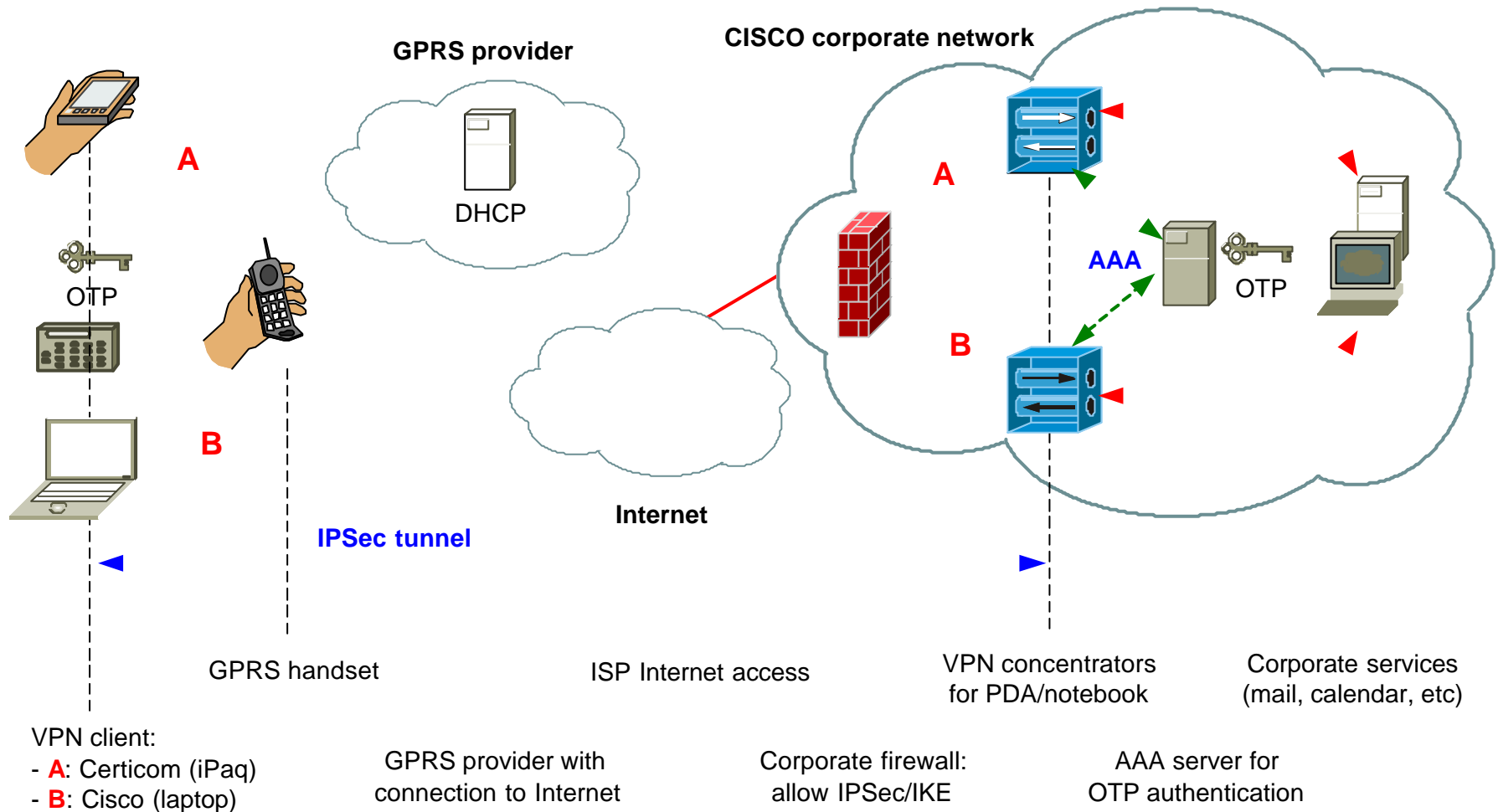
# VPN over GPRS - Current

## VPN over GPRS - current set-up via BT Cellnet



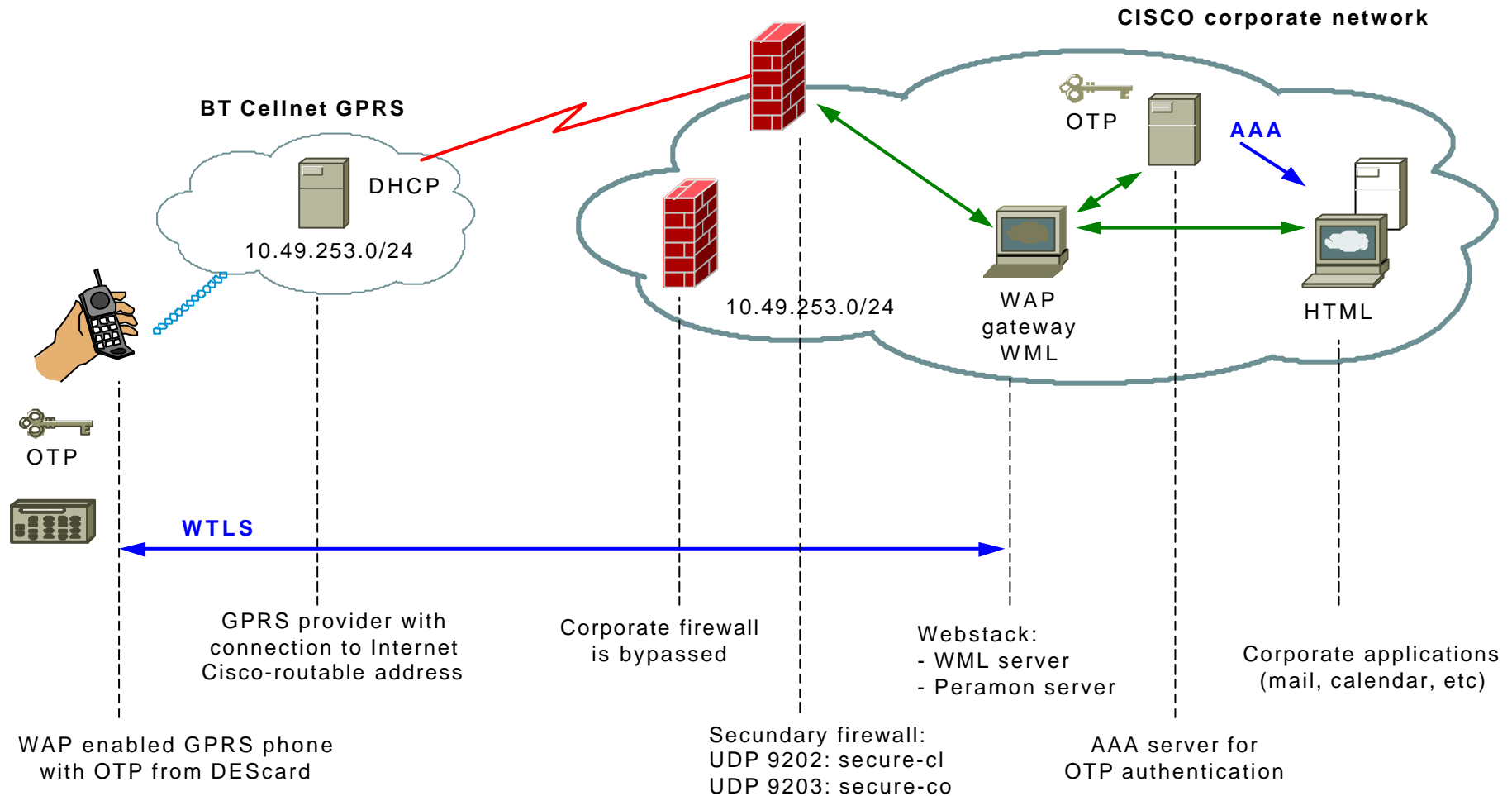


# VPN over GPRS - Proposed

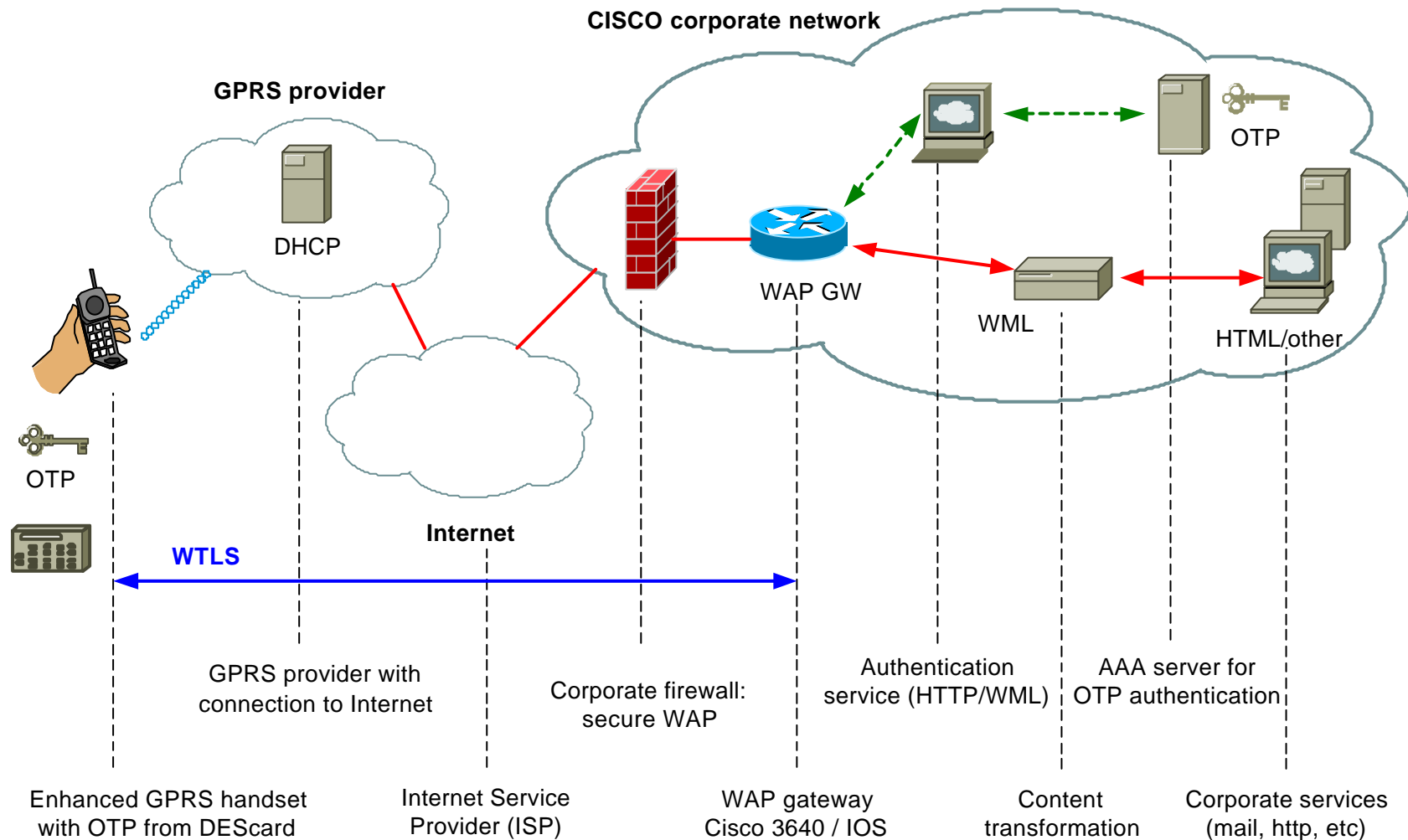


# WAP over GPRS - Current

## WAP over GPRS - current set-up with BT Cellnet



# WAP over GPRS - Proposed

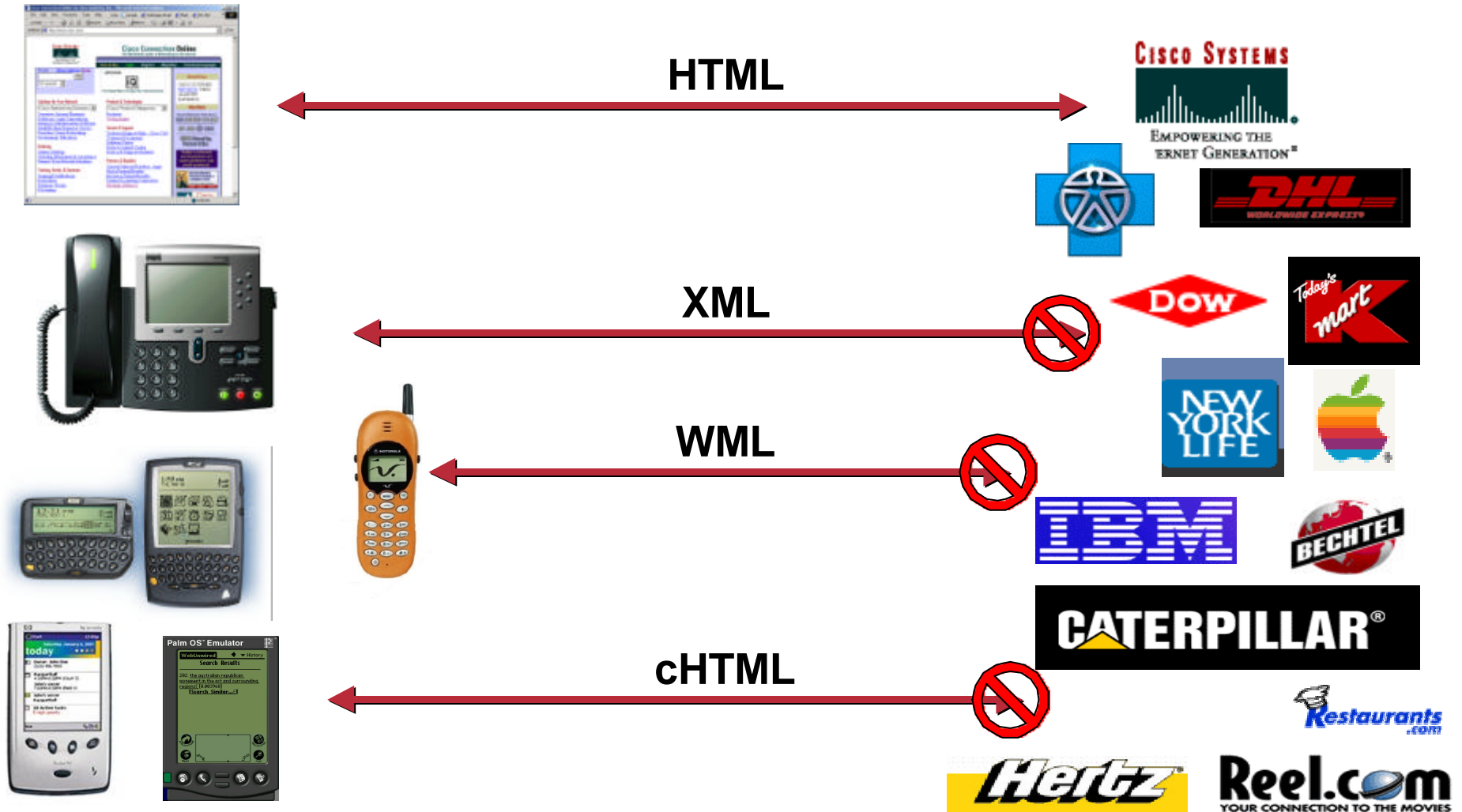


# New Devices/New Requirements

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## ?ML Browsers

## HTML/XML Content

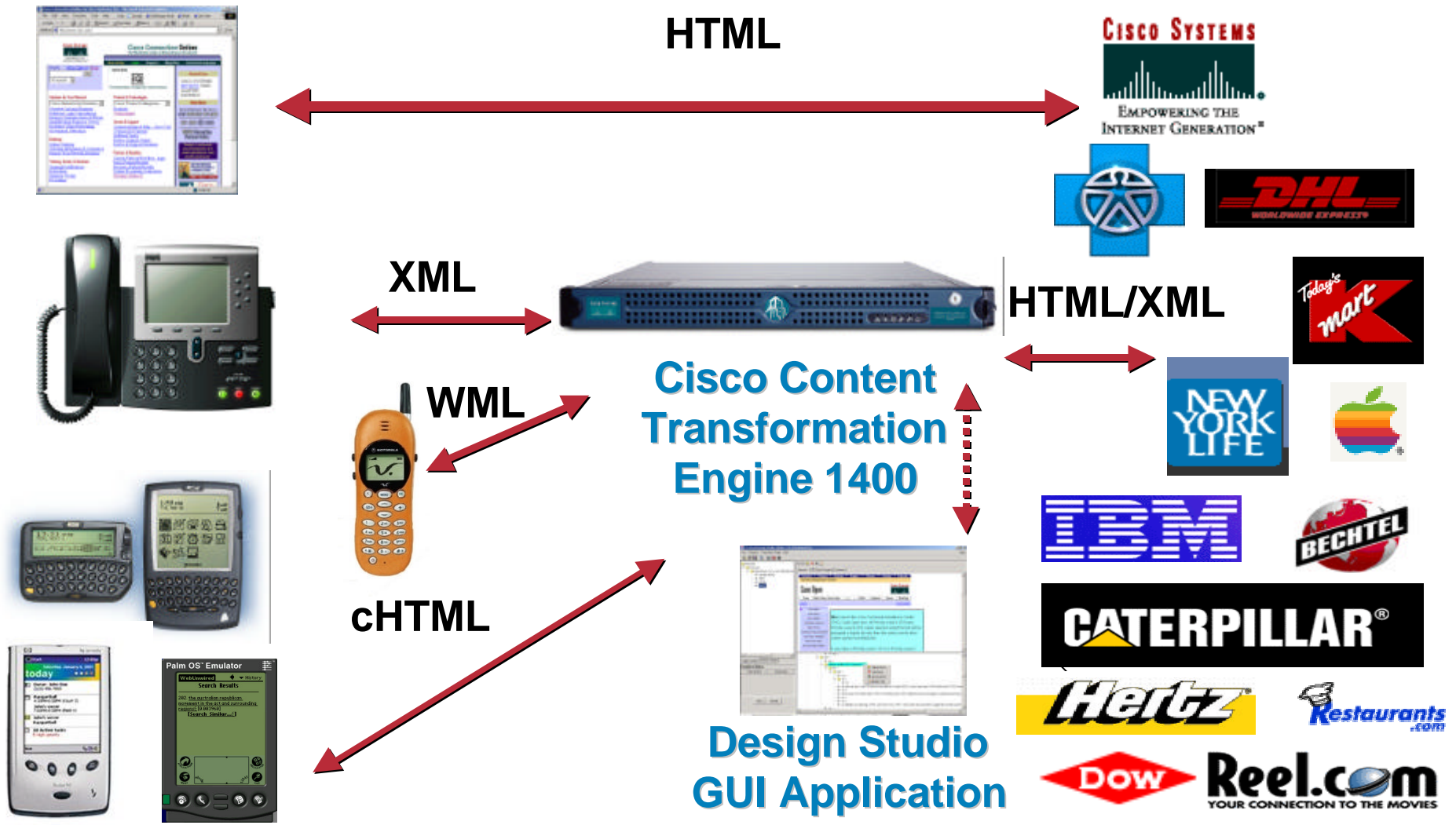


# CTE Solution

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**?ML Browsers**

**HTML/XML Content**



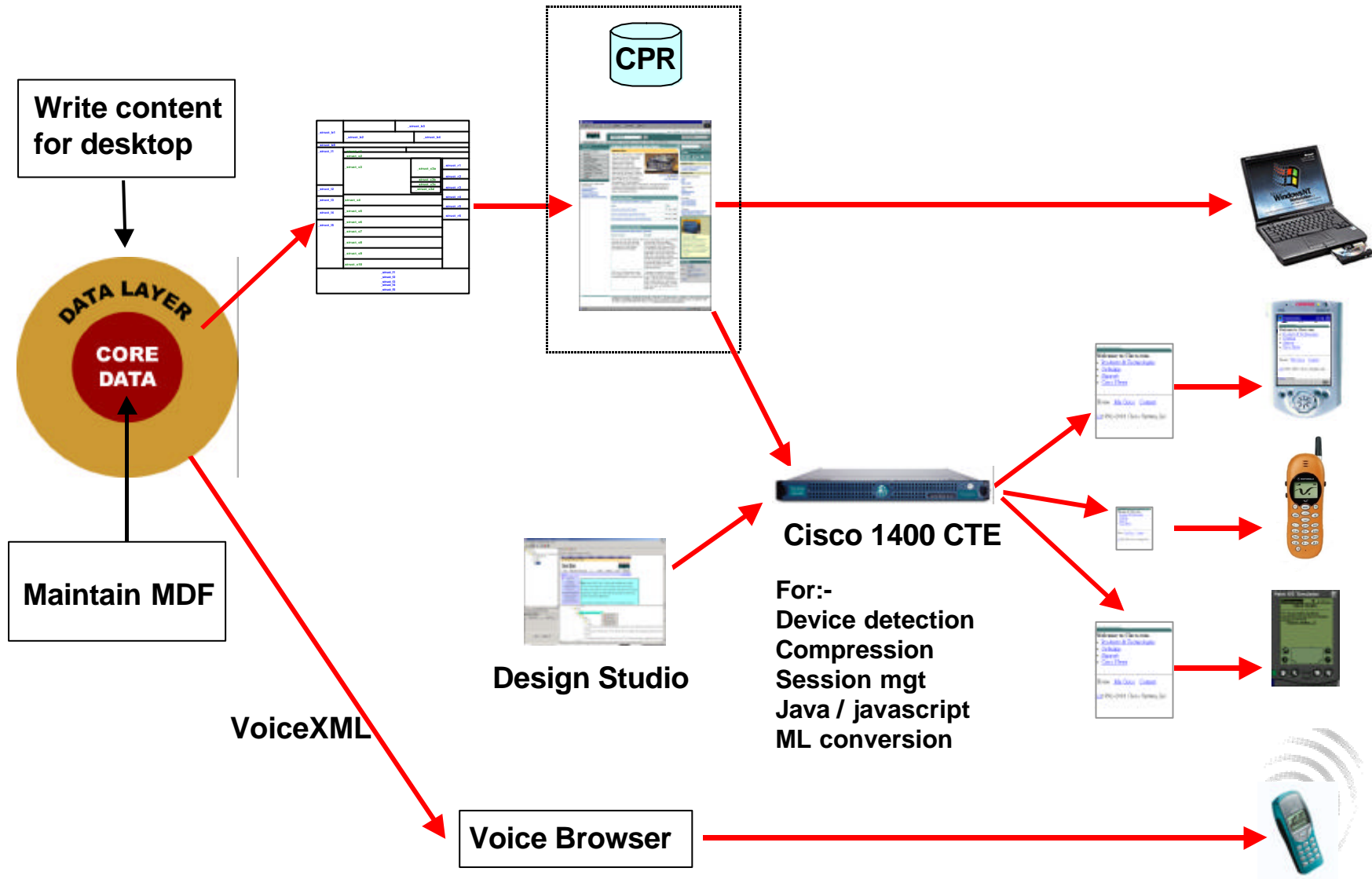
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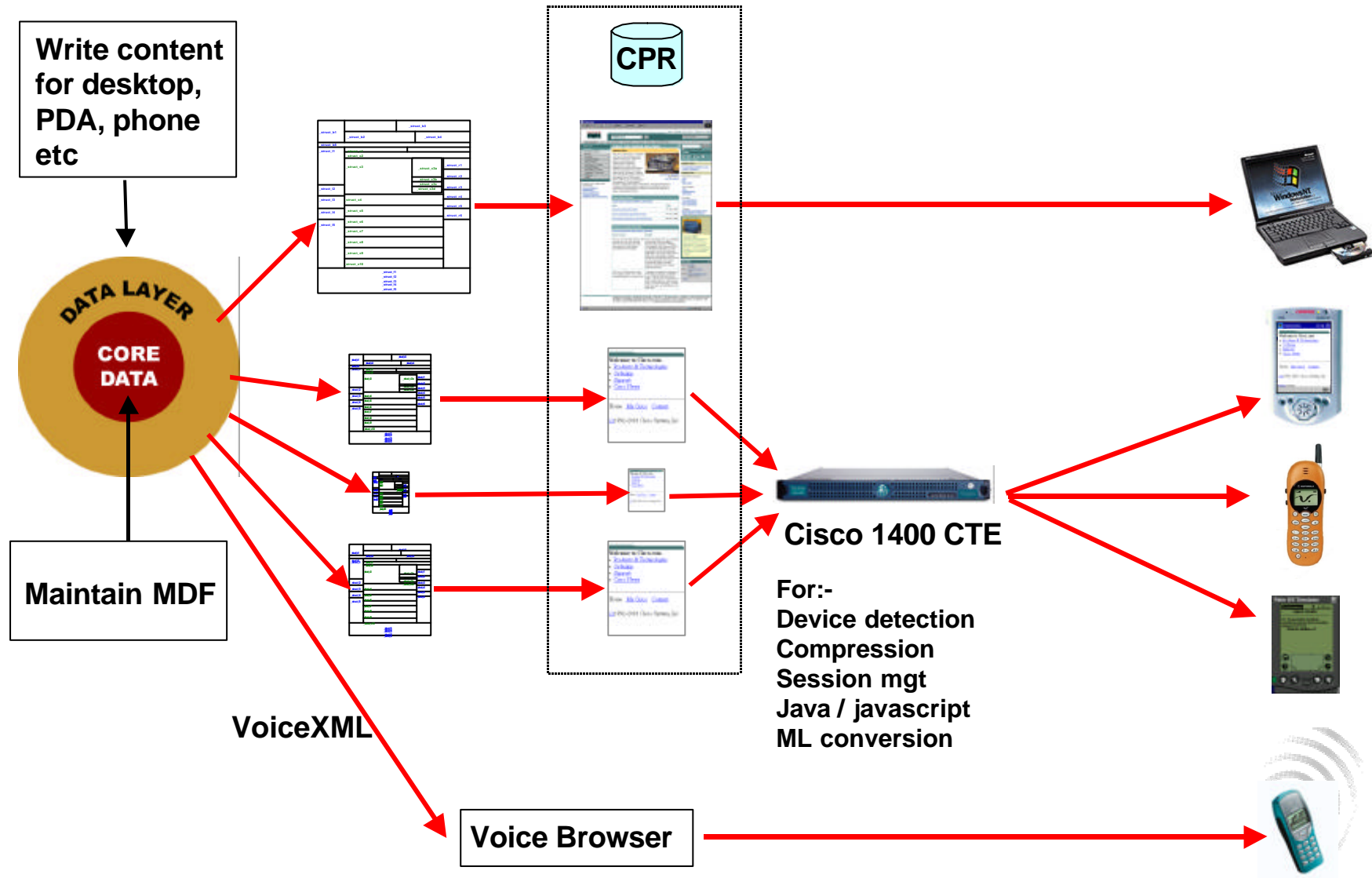


# Phase 1: Repurpose with CTE





# Phase 2: Dynamic page construction



# RIM versions



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TAC Case Query

# Mobile eSales

**My e-Sales Portal** - Internet Explorer brought to you by @ipacemworld

Address: [http://171.70.66.170/bowstreet/mobdev/lander/\\_con/acc/servlet.PyFinalSalesLogBookModel\\_1?lpage=FactPage](http://171.70.66.170/bowstreet/mobdev/lander/_con/acc/servlet.PyFinalSalesLogBookModel_1?lpage=FactPage)

SEC | GO | SEARCH | INDEX | SUPPORT | FEEDBACK | DIRECTORY

Welcome, Julian Jalkanen September 3, 2001 - 10:08 pm

HOME | DASHBOARD | PERSONALIZE

**My Real Time Bookings** [Refresh](#)

NO BOOKING DATA FOUND FOR DATE: 0rd at September, 2001  
IF YOU BELIEVE THIS TO BE AN ERROR, PLEASE OPEN A CASE ONLINE

**My Bookings At a Glance** [Refresh](#)

Category	Bookings	Control	%	Plan	%	Commit To Go	Days Left
	(000%)	(000%)	(000%)	(000%)	(000%)	(000%)	
Week of 02-SEP-01	PROD \$6	\$11	0%	\$0	0%	\$11	7
	SVC \$6	\$0	0%	\$0	0%	\$0	7
08-1-FY02	PROD (\$0)	\$28	-0.7%	\$0	0%	\$28	21
	SVC \$6	\$0	0%	\$0	0%	\$0	21
01-1-FY02	PROD \$28	\$1,232	1.6%	\$0	0%	\$1,713	58
	SVC \$1	\$0	0%	\$0	0%	\$0	58
FY02	PROD \$28	\$4,242	0.6%	\$0	0%	\$4,961	224
	SVC \$1	\$0	0%	\$0	0%	\$0	224

Date as of: 02-Sep-2001 3:08:30 PM GMT

**My Sales State**

	FY as of Today	FY as of Last Month	Prior Fiscal Year
My Average Transaction Size	\$2,082	\$2,207	\$129,001
My New Service Penetration	10.2%	9.5%	3.5%
My Current % of Plan	0%	0%	70%
My Forecast Finish	0%	0%	30.2%
My Linearity Rate	0	0	-0.13

Date as of: 02-Sep-2001 4:08:49 PM GMT

COMPAQ pocket pc

Internet Explorer 16:48

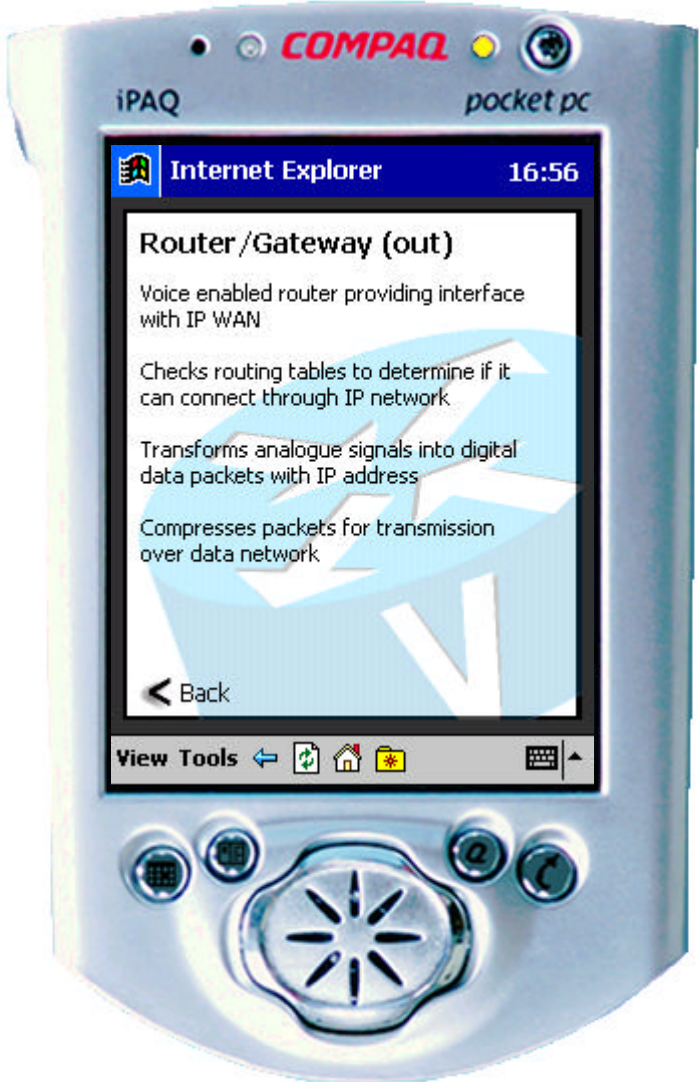
My Linearity  
Linearity Score : -0.21 Annual Growth :

Data as of : 16-Aug-2001 5:08:10 PM GMT

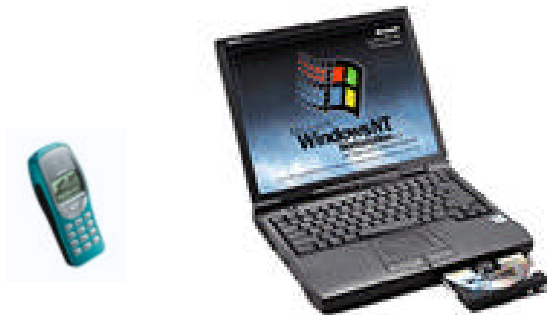
View Tools



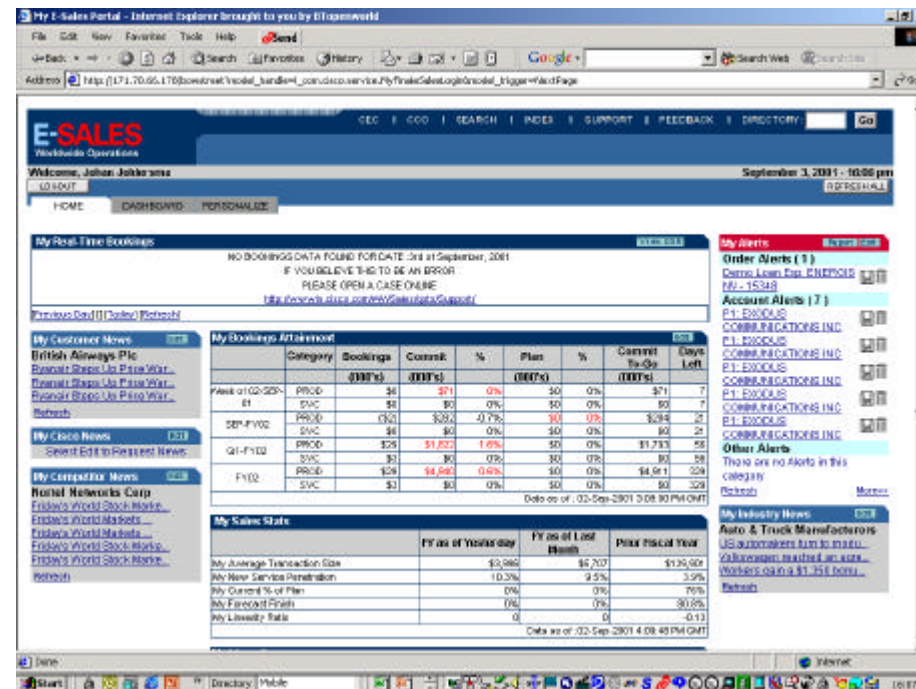
# eLearning



# Easier route to mobile apps?



- GPRS link from laptop
- GPRS phone as a modem
- GPRS card



# Global Mobile Pilot

*Proposal forwarded end December*

**Track A – Mobile Devices  
EMEA -> US & APAC**

**Track B – Voice Portal  
US -> EMEA & APAC**

**Track C – Strategy Definition**

**Track D – Applications**

**Track E – Production Readiness**



# Global Mobile Pilot Scope

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- **More business applications**
- **Multi-geography, multi-carrier**
- **Move to PocketPC 2002**
- **Investigation of other mobile device e.g. Blackberry, Jornada**
- **Determination of standard Cisco image for devices**
- **Evaluation of Bluetooth for PAN**
- **Voice portal - VoiceXML platform, voice authentication**
- **Traffic analysis – costs, packets**
- **Definition of middleware architecture requirements**
- **Data encryption for end devices, storage cards etc**
- **Support models - support.com, outsourced, use of OTA**



# Summary

- **Secure connectivity available from PocketPC, WAP phone and laptop via GPRS and WLAN.**
- **First applications repurposed for multi-device access.**
- **Lots of issues still being worked on e.g. support, app development, scalable infrastructure, business case, device strategy etc.**
- **Mobile Centre of Excellence being established in IT to coordinate and drive activities going forward.**