

Lotusphere<sup>®</sup> 2006

JMP205

## IBM Lotus Domino Nyheder

Henrik Fedder – Lotus Workplace & WebSphere Software.

FUTUREINSIGHT

IBM<sup>®</sup>

Lotus. software

# Agenda

- ♦ **Notes Domino client strategi**
- ♦ IBM Lotus Notes Suite for SAP
- ♦ Mobile løsninger

# Collaborative Application Platforms

- ◆ These days...
- ◆ Collaboration defined
  - ◆ Collaboration activities
  - ◆ Collaboration Services
- ◆ Components of collaboration
  - ◆ App environment
  - ◆ IDE
  - ◆ RT messaging
  - ◆ Email Messaging
  - ◆ Workspaces
- ◆ Platform diagram

## These days...

- ◆ Getting things done collectively is becoming increasingly mission-critical
  - ◆ New applications and tools
    - ◆ Blogs, Wikis, Portals
  - ◆ Colorful terminology
    - ◆ Groupware, teamware, workflow
  - ◆ New devices
    - ◆ Pocket PCs
    - ◆ Xbox 306
  - ◆ Integration with telephony & media
    - ◆ Skype & WebEx
- ◆ Still it's a mixed-bag of product & service offerings
  - ◆ Load multiple apps just to start the day

# Communication defined

- ♦ Exchange of information between individuals
  - ♦ Usually in form of messages or files.
- ♦ Activities
  - ♦ Reading items
  - ♦ Filing for future reference
  - ♦ Creating new items
    - ♦ Posting
    - ♦ Forwarding
    - ♦ Replying
  - ♦ Deleting items
- ♦ Services
  - ♦ Filing
  - ♦ Indexing & searching
  - ♦ Unread marks
  - ♦ Filtering/collecting
  - ♦ Subscriptions

# Collaboration defined

- ◆ Act of working together
  - ◆ Getting things done collectively
  - ◆ Goal focused
- ◆ Centered around documentation
  - ◆ Shareable
  - ◆ Process oriented
  - ◆ Project/Role/Job oriented
  - ◆ Auditable
- ◆ Workspaces
  - ◆ Project specific
  - ◆ Roles, permissions & authentication
  - ◆ Focused attention

# The Problem: Too many moving parts

- ◆ Too many moving parts
  - ◆ We all have to become experts in MIME
  - ◆ We organize our lives around what tools we need for different kinds of business artifacts
    - ◆ Not around what tasks we have to accomplish!
  - ◆ Weird splits between client and server
    - ◆ E.g., managing UI events on the server
    - ◆ (bad architecture)
- ◆ Users focus on IT solutions
  - ◆ Many apps with little integration
  - ◆ Don't work and play well together
  - ◆ Current solutions only solve part of the communication & collaboration problem
  - ◆ TCO is high

# The Goal: Minimize IT focus

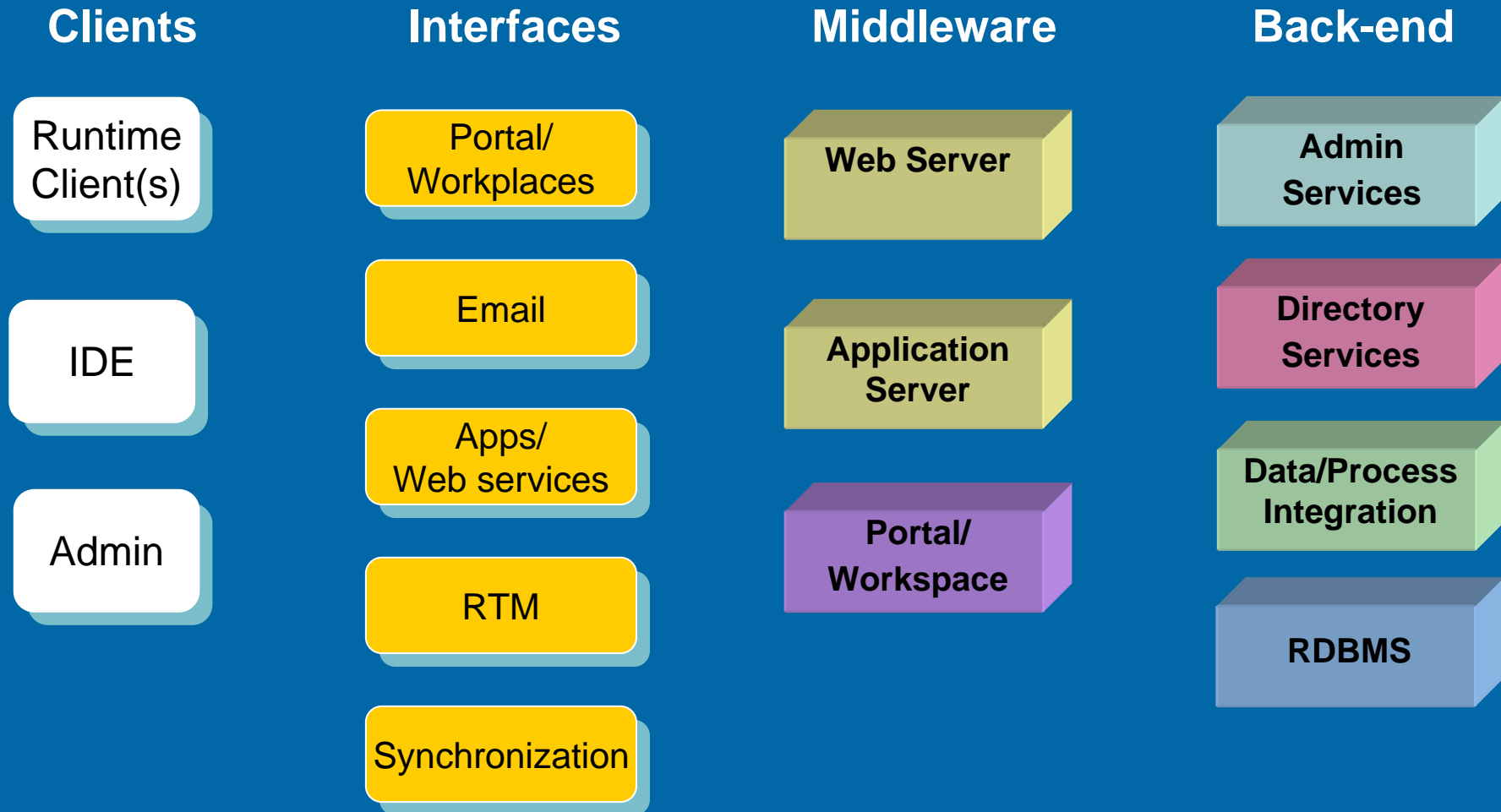
- ◆ Minimize IT focus
  - ◆ Users should think in terms of their work tasks; not in terms of the tools they use to get the work done
- ◆ Ideally, the tools become a seamless part of the workspace
  - ◆ Would you rather log in to 5 different apps, or would you rather spend your time at something else?
  - ◆ “The tyranny of the In-box”



# The Solution – Collaboration Platforms

- ◆ Suite of tightly integrated products for enterprise computing
  - ◆ Clients
  - ◆ Servers
  - ◆ Tools
- ◆ Collaborative Platforms virtualize collaborative activities
  - ◆ People no longer have to be in the same building in order to collaborate
- ◆ Everyone is doing it
  - ◆ IBM, Microsoft, Oracle, BEA, SAP
  - ◆ Taking some time

# Collaborative Application Platforms



# Getting to the future the IBM way

- ◆ IBM has 2 collaboration platforms
  - ◆ Notes/Domino
  - ◆ Workplace
- ◆ Let's take a closer look...

# Domino as a Collaborative Application Platform

- ◆ Domino components
  - ◆ Rich Client
    - ◆ DWA(iNotes) & Notes
  - ◆ Administrator
  - ◆ Server
    - ◆ App & web in one
  - ◆ Designer
- ◆ Integrated with
  - ◆ RTM – Sametime
  - ◆ Workplaces – Quickplace
    - ◆ WS Portal & MS SharePoint for extra work
  - ◆ Outside Applications
    - ◆ J2EE, .NET
    - ◆ Web Services

# Domino Platform

## Clients

### “In the Box”

#### Client

- Notes
- DWA
- Browser

#### IDE

- Domino Designer

#### Administration

- Admin Client
- Web Admin

## Interfaces

### Email

- Notes mail

### Apps/Web Services

- Notes apps
- Web apps

### Synchronization

- Replication
- DOLS

## Middleware

### Notes/Domino Server

- HTTP task
- Notes task
- AgentMgr

## Back-end

### Admin Services

- Server tasks

### Directory Services

- names.nsf
- LDAP

### Data Integration

- LEI

### Data Store

- .nsf

### “Add-on”

#### RTM

- Sametime

#### Portal/Workplaces

- Quickplace
- WS Portal

#### RTM

- Sametime

#### Workspace

- Quickplace
- WS Portal

#### RDBMS

- DB2

# Workplace as a Collaborative Application Platform

- ◆ Workplace components
  - ◆ Rich Client
    - ◆ Workplace Managed Client & Notes7 Plug-in
  - ◆ Web Administrator
    - ◆ XML configuration files
  - ◆ Server
    - ◆ Websphere Portal
    - ◆ J2EE application server
  - ◆ RAD & Workplace Designer
- ◆ Integrated with
  - ◆ Domino
  - ◆ Other RDBMS

# Workplace Platform

## Clients

## Interfaces

## Middleware

## Back-end

### “In the Box”

#### Client

- Browser
- Workplace Managed Client (WMC)
- N7 plug-in

#### IDE

- RAD
- Workplace Designer

#### Administration

- Web Admin

#### Email

- Workplace Messaging

#### Apps/Web Services

- WMC apps
- Web apps

#### Synchronization

- SyncML

#### RTM

- Sametime

#### WebSphere Portal Server

- Aggregated UI
- Device independence

#### J2EE Platform

- Transactions
- RDBMS access
- Java components
- Web Services
- Distributability

#### RTM

- Sametime

#### Admin Services

- Server tasks

#### Directory Services

- LDAP

#### Data Integration

- Many Java APIs

#### RDBMS

- DB2, Cloudscape

### “Add-on”

#### Domino integration

#### Other RDBMS

# Workplace Functionality

- ◆ Built on top of WebSphere Portal
- ◆ Individually licensed products on the Workplace “platform”:
  - ◆ Activity Explorer
  - ◆ Document Management
  - ◆ Web Content Management
  - ◆ Collaborative Learning
  - ◆ Team Collaboration
  - ◆ Instant Messaging/Web Conferencing
    - ◆ SIP-based, “new” version of Sametime
  - ◆ Mail



# Technical Benefits

- ◆ Component architecture
  - ◆ Fully buzzword-enabled!
  - ◆ SOA! Web Services!
- ◆ Loosely-coupled, component based setup means:
  - ◆ Framework is more scalable
  - ◆ Functionality is more pluggable
- ◆ “Composite Applications”
  - ◆ Unifying Portal UI contains application “components”
  - ◆ Including (in “Hannover”) Notes components!

## Benefits - 2

- ◆ Workplace Managed Client
  - ◆ “Rich” client
  - ◆ Based on Eclipse (<http://www.eclipse.org>)
  - ◆ Makes the UI fully customizable (finally!)
  - ◆ Implements cross-component event programmability model (“property broker”)
  - ◆ “Provisioned” == capabilities enabled/disabled based on admin-controlled policies on the server
  - ◆ Offline application usage + synchronization
    - ◆ Notes replication + SyncML

# Domino: Fair and Balanced...

- ◆ Domino is great at many things:
  - ◆ Directory
  - ◆ Authentication
  - ◆ Messaging
  - ◆ Data integration
  - ◆ Programmability (including forms)
  - ◆ Workflow
  - ◆ AND: Domino has a very large installed base!
  
- ◆ BUT...

## Domino: Fair and Balanced...

- ◆ Domino is not as good at other things:
  - ◆ Not great at being an RDBMS
  - ◆ Not great at being a transaction manager
  - ◆ Not great at supporting high-volume, complex Web applications
  - ◆ Not great at allowing rich client UI customization
  
- ◆ HOWEVER...

# We Have Opportunities to Fix That!

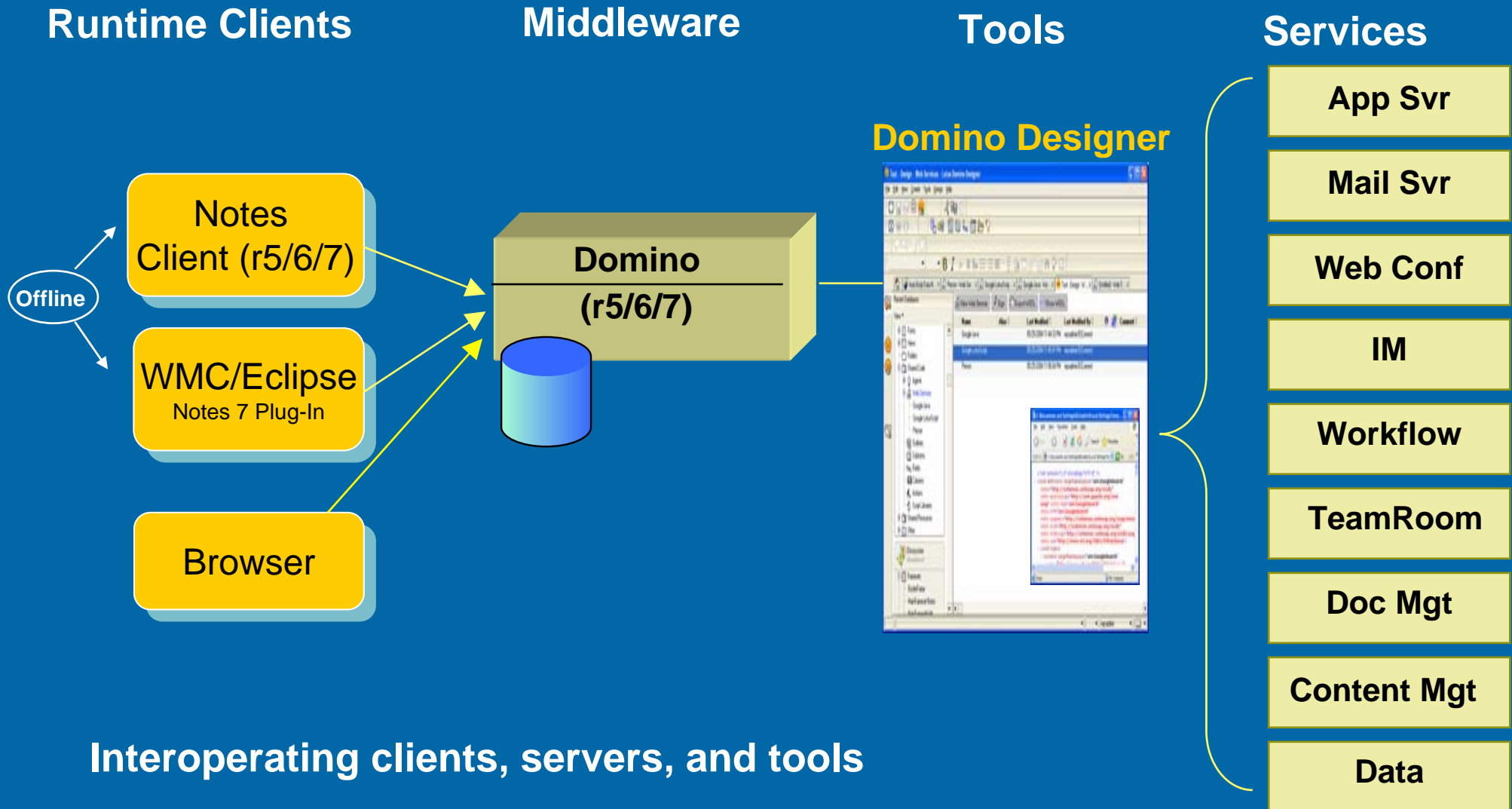
- ◆ **Workplace** is good at the things that Domino isn't
  - ◆ Scalability
  - ◆ Caching and sharing of back-end data connections
  - ◆ Portal
  - ◆ Extensibility with Eclipse rich client
  - ◆ Conformance to standards
- ◆ And **Domino** provides the rich application services that the J2EE platforms don't have

So.... Why not combine the strengths of both?

# IBM's Collaboration Platform Roadmap

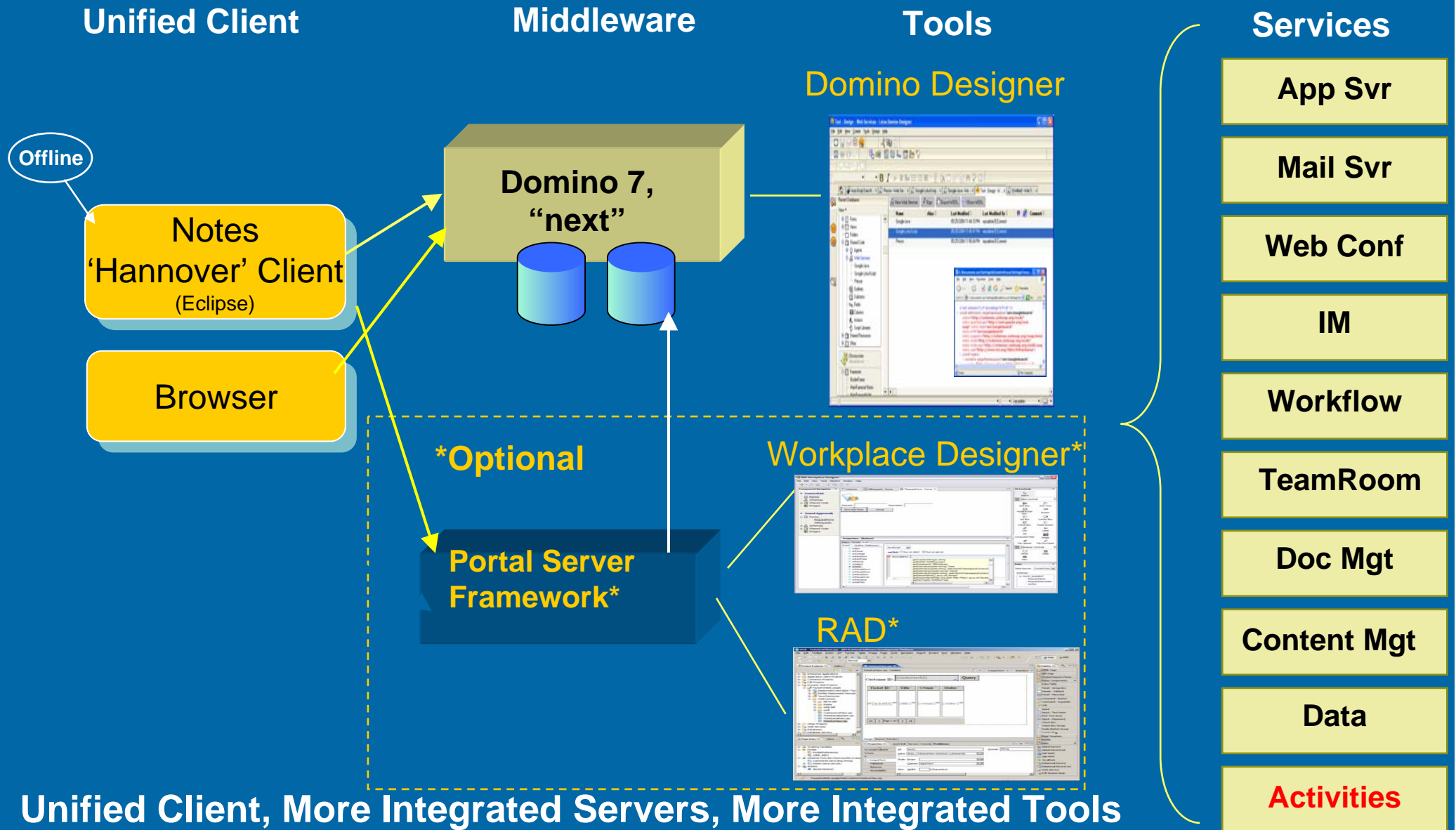
- ◆ Provide the best possible framework for “Composite Applications”
  - ◆ Utilizing the best parts of both platforms
- ◆ **Unified Client**
  - ◆ (Where it matters most for end-users)
  - ◆ Merger of Notes and Workplace Managed Client
  - ◆ “Hannover” – Notes 8, but re-hosted on Eclipse
- ◆ **Unified Server**
  - ◆ Next in line, post-Hannover
- ◆ **Unified Tools**
  - ◆ Also post-Hannover
  - ◆ RAD, Domino designer, Workplace Designer

# Notes/Domino Collaboration Model Today



# Collaboration Model, "Hannover" Timeframe

"Hannover" architecture with unified client and interoperability in the server



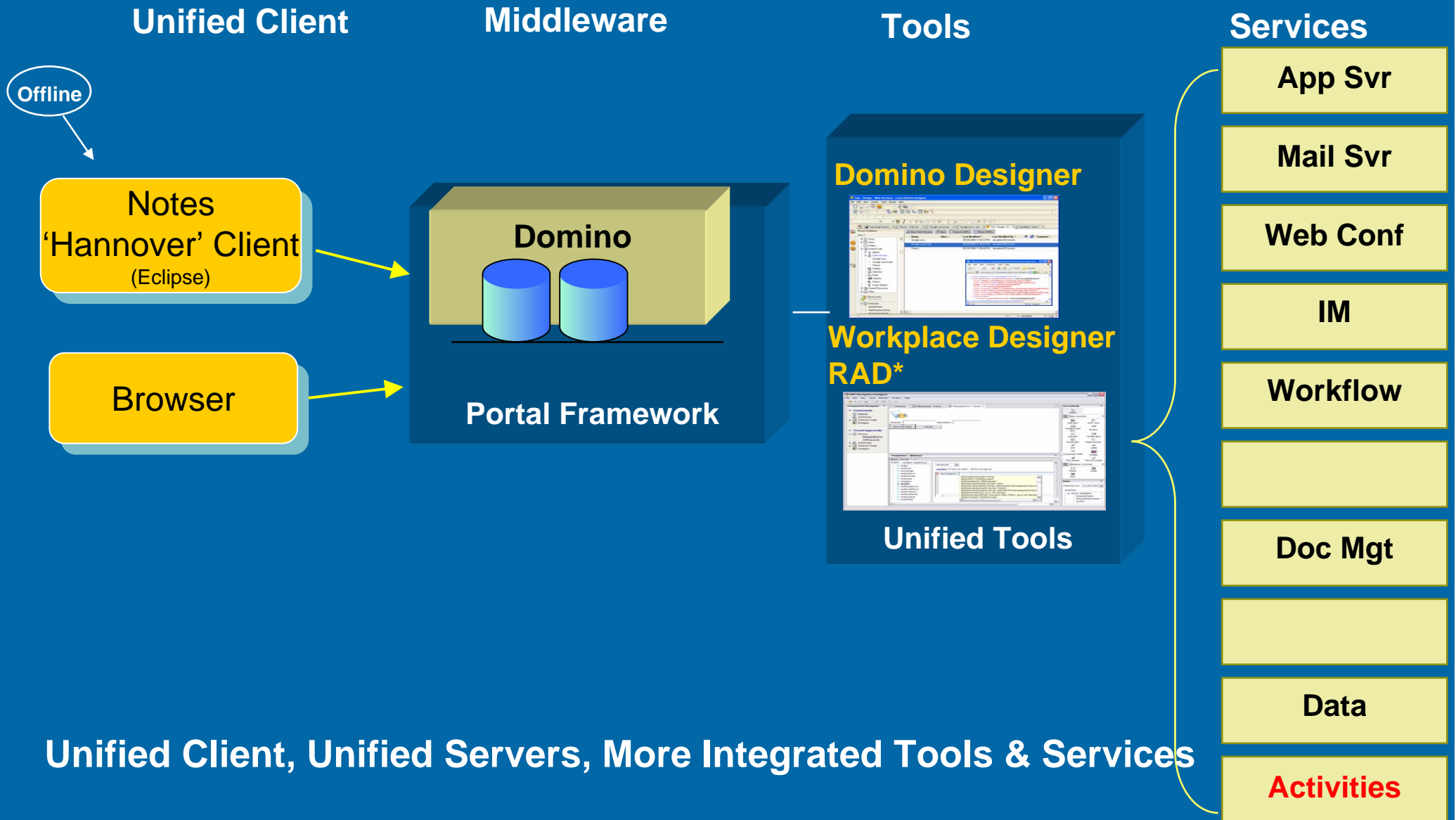
Unified Client, More Integrated Servers, More Integrated Tools

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# Unified Frameworks

Fully unified client and server frameworks, *post-Hannover*



Unified Client, Unified Servers, More Integrated Tools & Services

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# What is “Hannover” Really?

- ◆ Notes Rich Client as a fully functioning participant in a Portal
  - ◆ Application components
- ◆ Notes 7 Windows C based UI rendering is replaced by a Java UI -- Eclipse plug-in
  - ◆ From the UI down, it's STILL NOTES!
  - ◆ But now it runs on Linux and Mac!

BringOutYourDead.mp3

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## It's Notes, and What Else??

- ◆ What we get with the new Eclipse foundation:
  - ◆ Extensibility, more open architecture
  - ◆ Ability to customize Notes UI – FINALLY!
- ◆ New component and event model – Property Broker
  - ◆ “Integration on the glass” between Notes components and other Portal components
- ◆ Domino server is still the same
- ◆ Hannover is the rich client for BOTH Domino and Workplace
- ◆ Auto-provisioning of the Notes client is now possible
  - ◆ As WMC already does with Workplace Server
- ◆ New IBM Productivity Editors
  - ◆ Not Everyone needs a full Office license, right?

- Manager Workbench
- My Employees
- Compensation
- Development
- Hiring
- Onboarding
- Travel
- Resources

### People Planner

Set Top/Bottom Set Increase Set Promotion Help

Employee	Position	Band	Band Mos	Pos Code	Job Family	Work Location	PBC History
Caitlin Garfield	Media Specialist	07	70	499A	24A	Chicago	-2-2
Herb Medway	Copy Writer	08	40	499A	24A	New York	-2-2
Lan Trung	Media Specialist	08	58	499A	24A	Paris	-3-2
<b>Mali Vo</b>	Promotions Coordinator	09	26	499A	24A	Chicago	-2-2
Sabra Mazar	Media Specialist	08	70	499A	24A	New York	-1-1

### Management Solutions

Company	Renovations	EmpID	1234567	Hire Date	01/31/2000
Business Unit	Corporate	Job Code	PrCoord	Department	93
Department	Marketing	Location	Chi	Country	USA

### Personal Business Commitment

**Employee information and assessment dates**

**Employee information**

Employee name: **Vo, Mali**

Owning manager: Micawa, Dan

Position title: Promotions Coordinator

**Assessment dates**


Assessment period\*: 2005/01/01 to 2005/12/31

**My PBC goals**

Business goals

### Contact Record

Report to Chain Recent Collaborations Additional Info



**Mali Vo**  
Renovations - Promotions Coordinator  
Active

Work: 773-863-8888

Mobile: 773-476-1836

E-mail: mvo@renovations.com

Address: Building 8, Room 334 1109  
10352 Renovations Way  
Chicago, IL 60603

# Assembly of Components into a Composite Application

People Planner - All Employees - IBM Lotus Notes

Employee	Position	Band	Band Mos	Pos Code	Job Family	Work Location	PBC History
Caitlin Garfield	Media Specialist	07	70	499A	24A	Chicago	-2-2
Herb Medway	Copy Writer	08	40	499A	24A	New York	-2-2
Lan Trung	Media Specialist	08	58	499A	24A	Paris	-3-2
Mali Vo	Promotions Coordinator	09	26	499A	24A	Chicago	-2-2
Sabra Mazar	Media Specialist	08	70	499A	24A	New York	-1-1

Notes application

Contact Record

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Active

Work 773-863-8888  
Mobile 773-475-1836  
E-mail mvo@renovations.com  
Address Building 8, Room 334  
10352 Renovations Way  
Chicago, IL 60603

Contact component

Manager Workbench - IBM Lotus Notes

People Planner

Employee	Position	Band	Band Mos	Pos Code	Job Family	Work Location	PBC History
Caitlin Garfield	Media Specialist	07	70	499A	24A	Chicago	-2-2
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Address Building 8, Room 334  
10352 Renovations Way  
Chicago, IL 60603

Management Solution

VO, Mali

Company 3rd Party (PeopleSoft) 01/31/2000  
Business Unit 93  
Department Marketing Location Chi Country USA

3rd Party (PeopleSoft)

PBC Web Application - Microsoft Internet Explorer

Address http://w3-5.ibm.com/hr/emea/e-hr/pbc/

Employee information and assessment dates

Employee information

Employee name:  
Owning manager:  
Position title:

Assessment dates

Assessment period: 1

My PBC goals

Business goals

Web application

# Is the Notes/Domino World Changing?

- ◆ Yes! But gently
- ◆ Hannover is the next major upgrade of Notes
  - ◆ Meant to be a smooth upgrade from 6.x and from 7.x
  - ◆ New foundation/infrastructure, but 100% of Notes apps should still work (and if they don't it's a bug that will be addressed)
- ◆ Hannover will still be paired with a "traditional" Domino server
  - ◆ Domino Designer will still be the way to create Notes "Components"
  - ◆ But Hannover will also serve as the rich client for Workplace Servers ("Portal framework")
  - ◆ There will be options to add-in some Workplace services to Domino
- ◆ Over time (post-Hannover) the Domino and Workplace servers will grow closer together
- ◆ Over time, the development tools will grow closer together

# Adoption & Deployment Considerations

- ◆ Skill sets:
  - ◆ Learning Java would be a good idea
  - ◆ LotusScript is NOT disappearing from Notes/Domino
  - ◆ Closer integration with DB2 is a potential growth opportunity
  - ◆ Admin for enterprise deployments will become more, uh, “interesting”
  - ◆ Developers and ISVs will LOVE this stuff, once they get started
- ◆ Infrastructure:
  - ◆ Hardware demands will increase
  - ◆ Network bandwidth demands will increase

## What do I do now?

- ◆ Don't give up on Notes/Domino
- ◆ Upgrade to R7 then Hannover
  - ◆ Logical & technical progression
- ◆ Investigate NSF/DB2 for targeted apps
  - ◆ E.g., reporting
- ◆ Get on board with SOA/Web Services, and “integration on the glass” where it makes sense
- ◆ KEEP your mission critical Notes/Domino apps!
  - ◆ Tweak for performance if necessary
  - ◆ Portalize the UI if it helps
  - ◆ Or just keep using it as is!



# Agenda

- ◆ Notes Domino client strategi
- ◆ **IBM Lotus Notes Suite for SAP**
- ◆ Mobile løsninger

# IBM Lotus Notes Suite for SAP Solutions

- Extends Domino/SAP integration
- Leverages existing integration capabilities
- Client Templates
  - Vacation/Leave request
  - Time reporting
  - Contact management
  - Report generation
  - Employee Self Service / Manager Self Service
  - Meeting scheduling
  - Notes driven workflow pushed into SAP

"We will be able to do far more than Microsoft and SAP are set to achieve with Mendocino, in a fraction of the time"

*Bob Balaban, Notes guru and developer on Notes Suite for SAP Solutions*

Microsoft and SAP have spend 2 years of development and \$150M on creating Mendocino – SAP integration with Office.

Miss an integration point you would like to see included? Let us know!



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**Calendar**

for Samantha Daryn

← August 2005 →

S	M	T	W	T	F	S
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Today August 13, 2005

**Views**

- 1 Day
- 2 Day
- Work Week**
- 2 Work Week
- Week
- 2 Week
- Work Month
- Month
- All Entries

**Other Calendars**

Follow Up

New Respond Respond with Comments Copy Into Chat Tools Filter: None View: Time Slots

Monday August 12, 2005 - Friday August 16, 2005

	12 Monday	13 Tuesday	14 Wednesday	15 Thursday	16 Friday
08:00 am		Monthly Status Report	Competitive Analysis	Sales Calendar Increase Sales	3Q Sales Kickoff Regency Hotel: Boca Room
09:00	Asse Tools Viv	Sale Calen Sal			
10:00				Follow up with Visual Design	
11:00	Marketing Team Meeting Amadou	Review Power Renovations Campaign with Ad Agency			
12:00 pm			All-Hands Call George Bandini 1-800-555-1212	Market Meetin	Lunch and Le
01:00					
02:00					
03:00		Joe's 25th Heather Reeds Giovanni's	Dentist	Prepare Charts for Kickoff Mee...	
04:00					
05:00					
06:00					

Calendar

Contacts

Time reporting

**SAP**

**Charge Time**  
Mon Aug 12 - Fri Aug 16

Report Time...


**Hours charged this week**

Monday	5
Tuesday	2
Wednesday	8
Thursday	8
Friday	6
<b>Total:</b>	<b>29 hours</b>

**Projects charged this week**

2635, Green 14 hrs (12)  
7263, Silver 15 hrs (10)

**Utilization this week**

 72.5%

**Actions**

- Request reports...
- Open reports folder
- View company policy

# Agenda

- ◆ Notes Domino client strategi
- ◆ IBM Lotus Notes Suite for SAP
- ◆ **Mobile løsninger**

# Strategy and Transition

2004

## Enterprise Market

- Customers starting mobile journey with small mobile PIM-Email deployments

## IBM Strategy

- A platform to start with mobile office and scale to other LOB apps

2005

## Enterprise Market

- Large IT vendors offering mobility as part of core stack
- Mobile PIM-Email getting commoditized
- Customers turning to LOB deployments for quicker ROI
- Occasionally connected model becoming more popular

## IBM Strategy

- Tight integration with WebSphere
- Beyond PIM-Email focus
- A new offering for occasionally connected access

2006 and Beyond

## Enterprise Market

- Mobile PIM-Email commoditized
- Majority of LOB app deployments in occasionally connected model
- Customers demanding platform portability

## IBM Strategy

- Focus on portable, server managed rich client platform for LOB apps
- Tightly integrate with portal and app server to leverage WebSphere family install base
- Short term, leverage partners for best of breed mobile PIM-Email. Long terms consider Hannover based mobile office option

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# Portfolio overview and value to WPLC

Product	Overview	Value to WPLC
<b>WebSphere Everyplace Deployment</b>	Server-managed rich client platform that expedites information from data centers to devices, maintaining data and transactional integrity	<ul style="list-style-type: none"> <li>▪ Base for WMC, Hannover, ST etc</li> <li>▪ Allows customers to start with simple LOB apps and grow based laboration apps</li> <li>▪ Will add offline portlet capability in WED 6.1</li> </ul>
<b>WebSphere Everyplace Connection Manager</b>	Secure, roaming access to Enterprise apps/processes/content	<ul style="list-style-type: none"> <li>▪ Allows WPLC customers to securely access enterprise resources from a variety of devices</li> </ul>
<b>WebSphere Everyplace Mobile Portal Enable</b>	Browser based, connected, device-independent access to Enterprise apps/processes/content	<ul style="list-style-type: none"> <li>▪ Provides device independent access to Portal content</li> <li>▪ Pre-reqs WP and hence drives additional transactions to WP</li> </ul>
<b>WebSphere Everyplace Access</b>	Occasionally connected access to PIM-Email + LOB apps from mobile devices	<ul style="list-style-type: none"> <li>▪ Extends Domino PIM-email to mobile devices</li> <li>▪ Extends Portal/Domino based LOB apps to mobile devices</li> </ul>

# WebSphere Everyplace Mobile Portal – *Write Once, Render Anywhere*

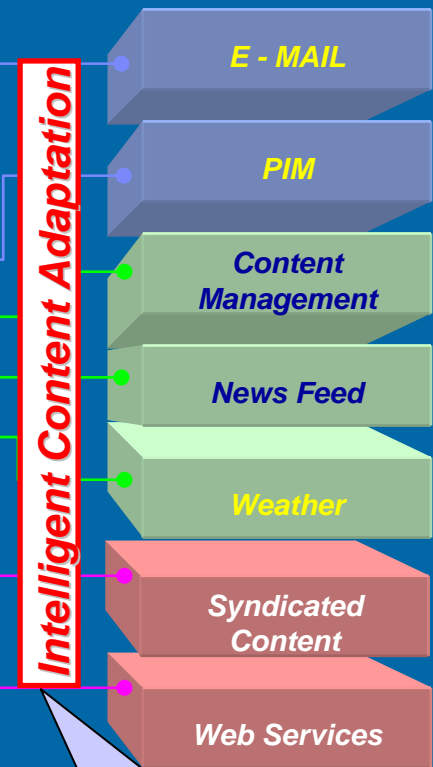


Limited capability devices  
e.g. XHTML, HTML, WML  
& iMode-based Mobile  
Devices



Integration  
"at the glass"

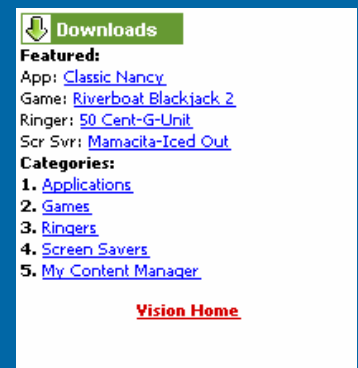
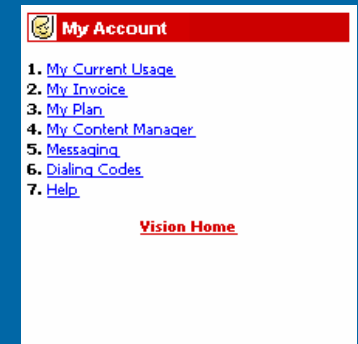
Extend to  
"Mobile Devices"



• IT Perspective -  
Device Independent  
Authoring of content

# Case Study: WEMP @ Sprint

- Largest WP/WEMP installation
  - 20 million users, will grow to 40 million when Nextel is integrated
  - Largest mobile portal in the world - first deployment of WEMP
  - Total WP instances = 80
- Peak numbers:
  - \$1M in revenue a day (seasonal) from digital downloads (ring tones, games, applications, etc.)
  - 270k logins/hour
  - 250 Transactions/second
  - 18k purchases/hour, classic site's largest ever was 13k
  - Page response time, down load time, error rates etc.... all well with in tolerance
- Scenario
  - Consolidate all Wireless and Wired content on 1 code base
  - Exploit device unique capabilities





# Case Study: WEA @ Danish Railways

## Danish State Railways' Challenge

- Needed to improve the efficiency of mobile employees to reduce costs and improve customer service.

## Pervasive Wireless Solution Benefits

- Helps save time and reduce the cost of selling tickets on trains
- Enables conductors and crew to now send and receive up-to-the-minute information on schedules, track conditions, weather, and repairs.
- Provides passengers with real-time departure, arrival, gate and ticket information.
- Eliminates the hassle or confusion of the paper-based system.



# IBM DB2 CommonStore for Domino – En løsning til at håndtere vækst

D 25. & 26. april inviterer IBM til seminar med fokus på e-mail arkivering, kom og hør om erfaringer & resultater, samt vores anbefalinger til, hvordan din virksomhed kan komme videre.

IBM DB2 CommonStore for Lotus Domino, sikre effektivt og automatisk optimering af e-mail serveren. Data bliver gemt i et centralt arkiv enten automatisk eller på brugerens anmodning, og via sikker langtidsarkivering opnår brugerne let tilgang til data.

Din virksomhed kan begrænse:

- ✓ Væksten i e-mail-databasen
- ✓ Nedsætte server-backup- og retableringsperioden
- ✓ Forbedre systemydeevnen og sikre adgang til vigtige data selv efter flere år.



**.domino™**  
Messaging system

CommonStore

**Elektronisk arkiv**  
Content Manager  
Content Manager OnDemand  
Tivoli Storage Manager

