



Workplace, Portal and Collaboration Software

## IBM Lotus Notes & Domino Update and Strategy



IBM Workplace: Live!

What if every aspect of your business environment was customized to your team's needs?  
What if your business environment was truly yours?  
What if you could work smarter, not harder?  
**What if you discovered that this simplicity was available today?**

The advertisement features a man in a dark shirt and light trousers standing in a modern, brightly lit office space with glass railings and curved walls. The IBM logo is visible in the top right corner of the image.

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# Agenda

- **IBM® Lotus® Notes® and Lotus Domino® Strategy**
- **What's new in IBM Lotus Domino 7?**
- **What's new in IBM Lotus Notes 7?**
- **IBM Lotus Notes & Lotus Domino 7 schedule and status**
- **Summary and Questions**



# IBM's Leadership In Messaging and Collaboration

...continuing long into the future



## Organizational Productivity

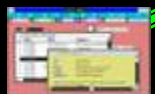
Expanding the reach of the "Team Productivity" era, with tools to extend collaboration into Web sites, portals and work spaces, mobile devices, and more...

## Team Productivity

Instant messaging, Web conferences, team discussions, document and Web content management, e-learning, ...

## Personal Productivity

Groupware and Collaboration



1989 - Notes R1

1991 - Notes R2

1993 - Notes R3

1996 - Notes R4  
Notes/Domino R4.5

1999 - Notes and Domino R5

2002 - Notes and Domino 6.0

2003 - Notes and Domino 6.5

2004 - Notes and Domino 6.5.1; IBM Workplace products, technologies, solutions

IBM Workplace Collaboration Services

2005 - Notes/Domino 7

ND8

embraced J2EE

embraced the web

# The Lotus Domino Investment Continues & Plays a Key Role in the IBM Workplace® Strategy



**Investment Protection – Backward Compatibility**



*Domino*  
**5.x**

*Domino*  
**6.5.1**

*Domino*  
**7.0**

*Domino*  
**7.5**

*Domino*  
**8.x**



**Leveraging the power of IBM Workplace**

# Why We're #1

- Proven Enterprise Messaging & Collaboration Solution
  - Rich capability set based on 15 years of customer feedback
  - Market share leader with more than 120 million users, 45,000+ customers
- Compelling Cost of Ownership
  - Industry's lowest cost of administration
  - Turnkey integration with collaborative apps
  - Optimized network and storage utilization
- Quality of Service
  - Enterprise reliability, scalability, security
  - Lower cost of down time than competitors
- Ready Integration with WebSphere Portal and Lotus Workplace Products
  - Standards based interoperability
- Ready Customization
  - Through Rapid Application Development Tooling

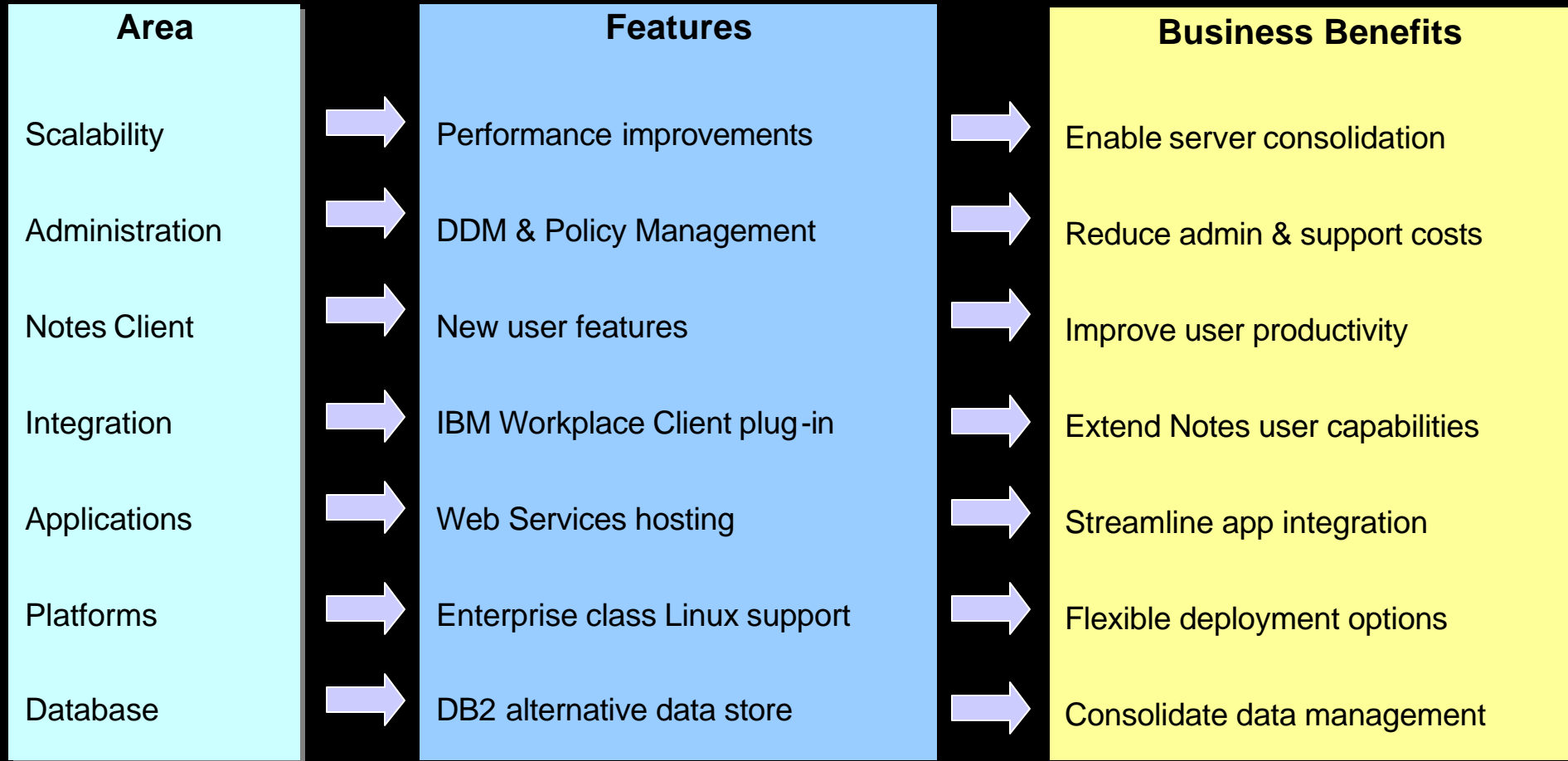
# Lotus Notes & Domino 7.0

The most powerful release of Notes & Domino ever!

1. Expand the scope of collaboration
  - Improve integration across products, e.g. password mgmt, install,
  - Improve Notes integration with IM (to make it enterprise-ready)
2. Justify upgrade with hard dollar TCO savings
  - Significant Administration, Performance and Scalability Improvements
  - Up to 50+% improvement in scalability, 25% less CPU load, etc.
3. Address installed base productivity requests
  - Multi-threaded views, Sort by Subject, eMeeting C&S integration, etc
4. Preserve and extend application investments
  - Real time integration w/ apps
  - Surfacing Domino apps, more control in determining what's displayed in portal
  - Web services hosting (Domino in J2EE apps)
5. Embrace Workplace technology
  - Embeddable Notes apps in Workplace client technology
  - Common storage architecture (DB2 for all Workplace plus Domino)
  - Common mail portlets - including improved mobile support
  - Extended products coexistence – IM communities, JSR 170 and etc.

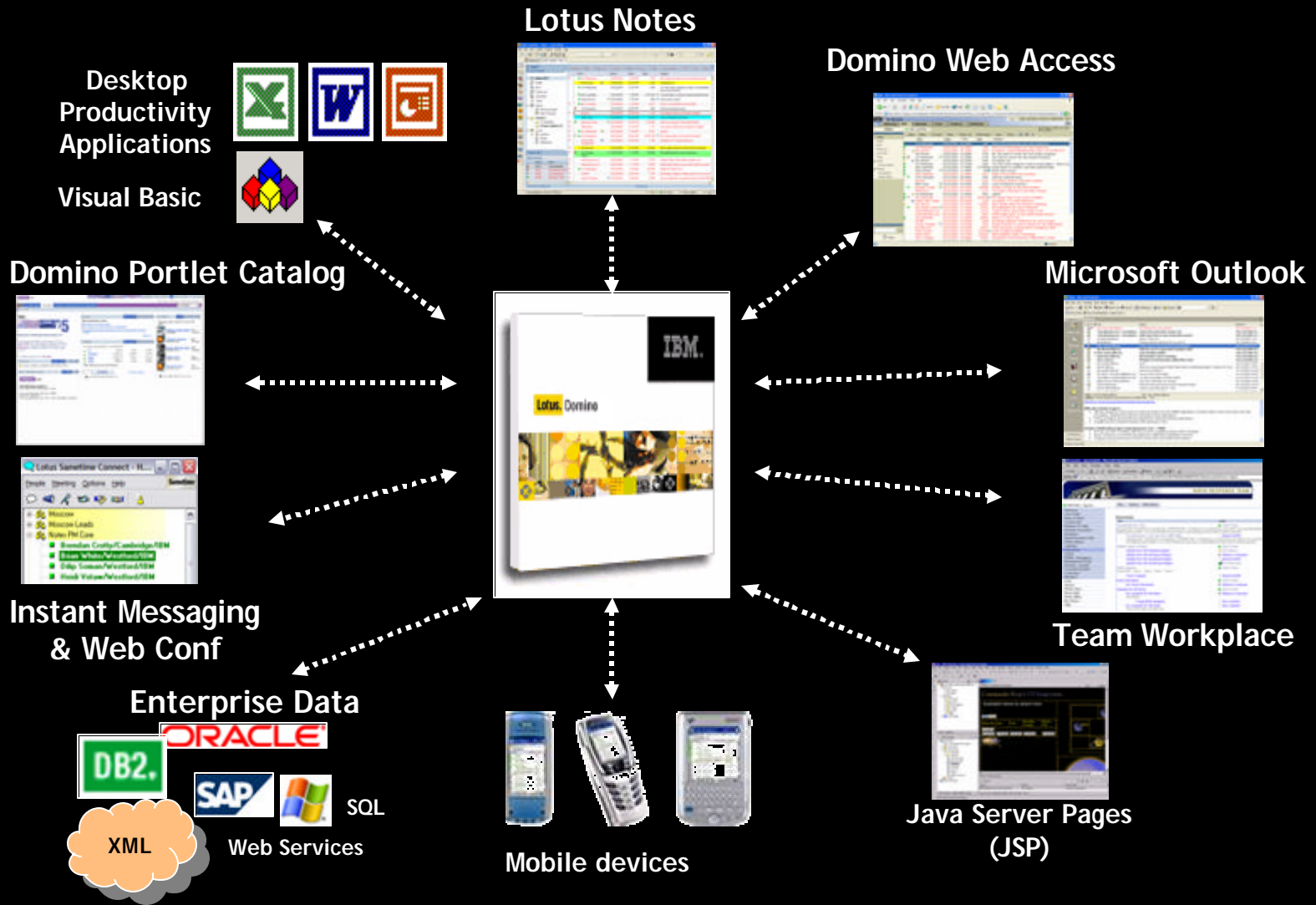


# Business Benefits of IBM Lotus Notes & Domino 7





# Lotus Domino - Extending the Reach of Collaboration







Workplace, Portal and Collaboration Software

## What's New in IBM Lotus Domino 7?



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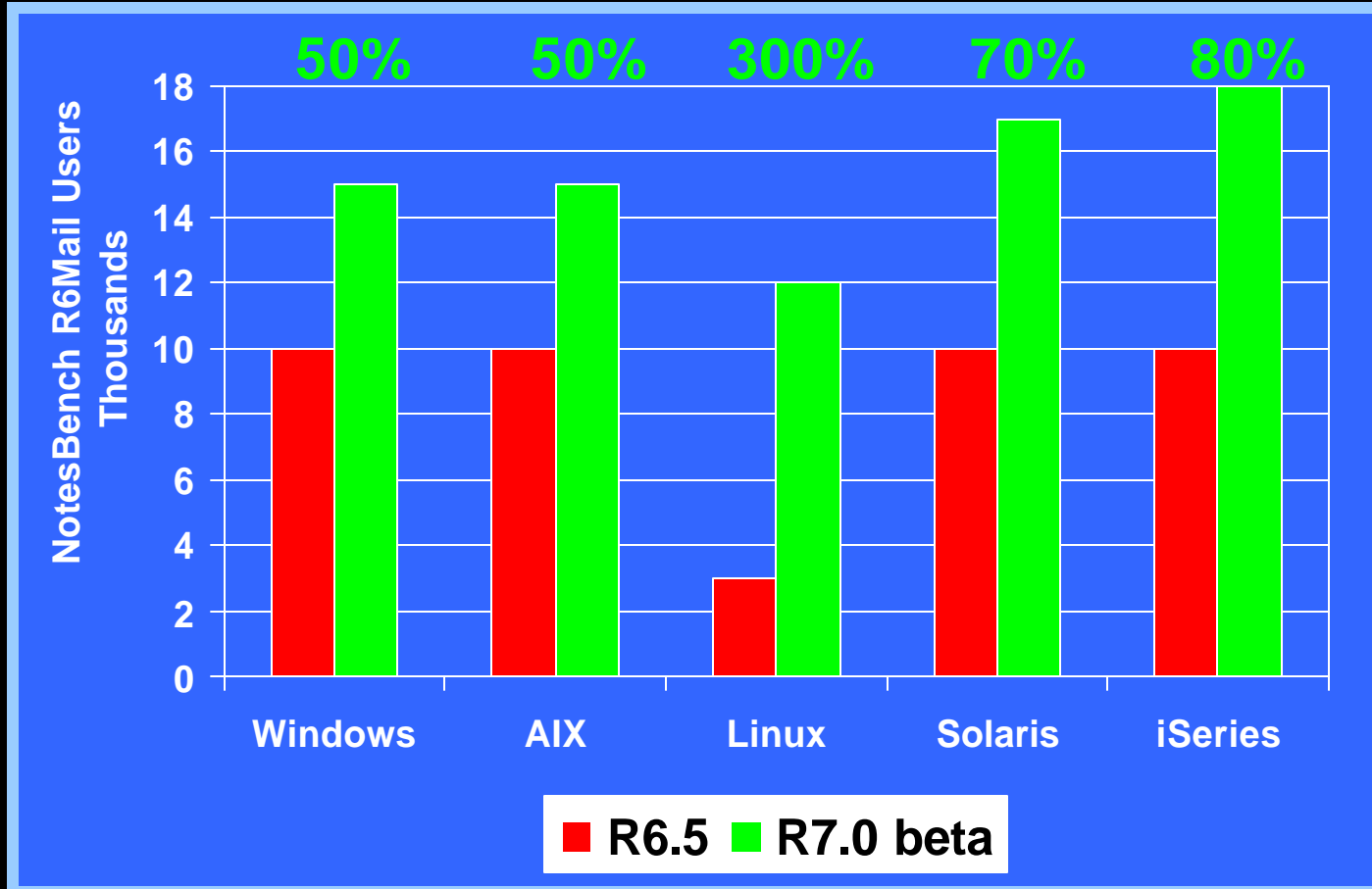
*Notes and Domino 7.0 are under development.  
Product contents could change before shipment*

# Lotus Domino 7 Highlights

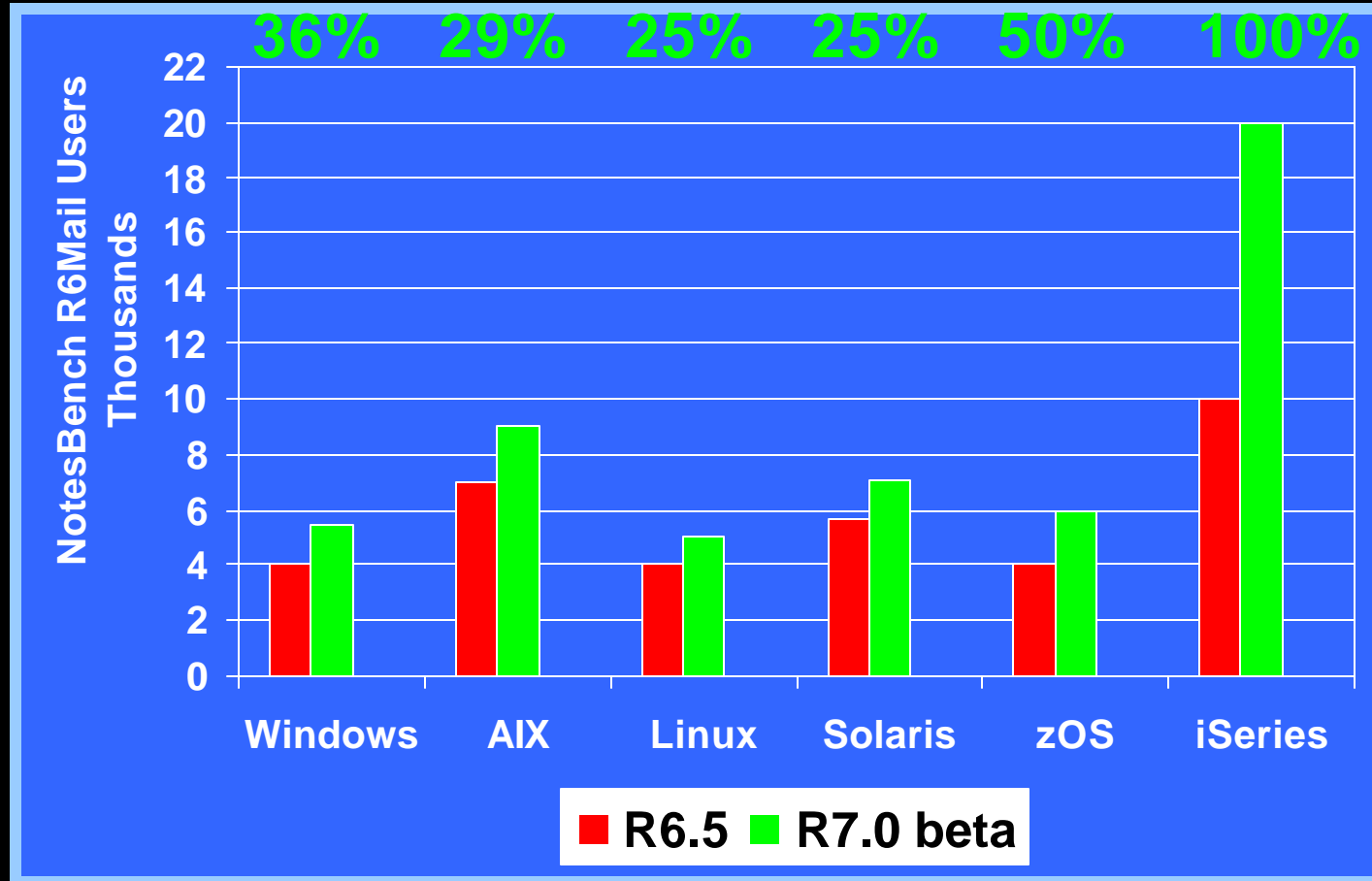
- **Even Lower Total Cost of Ownership (TCO)**
  - Dramatic performance gains
  - Major Administration improvements
- **Integration with IBM DB2® Universal Database™**
- **Many valuable functional enhancements**



# Domino 7 NotesBench NRPC Results



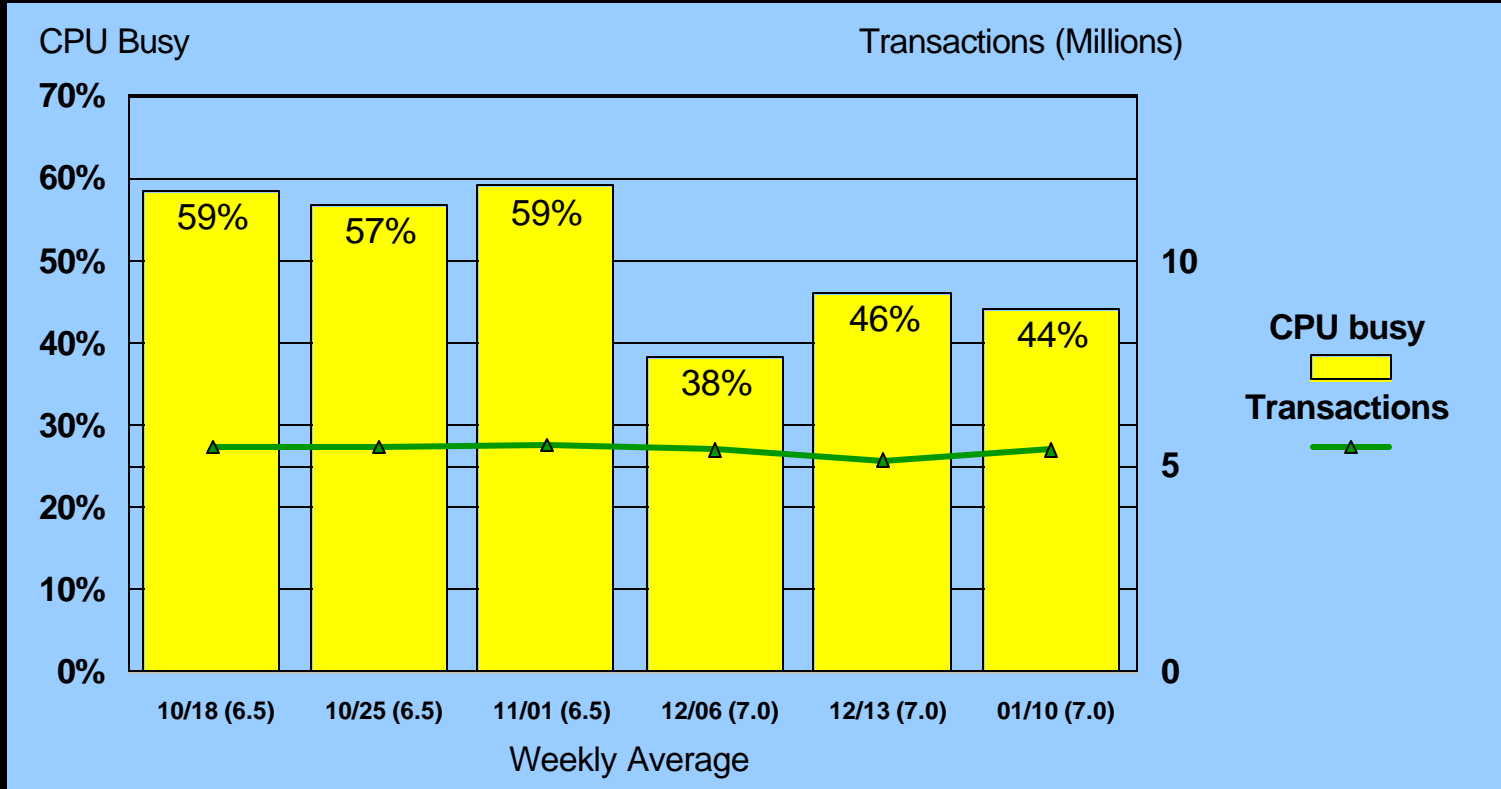
# Domino Web Access 7 NotesBench Results





# IBM Early Deployment

25% less CPU with Domino 7




IBM p650, 6 1.45 GHz CPUs, 16 GB RAM, AIX 5.2, D6 template  
 2 DPARs, 3350 register users, 1340 active, 5 million trans/day ,



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# Domino 7 Administration



IBM Workplace: Live!

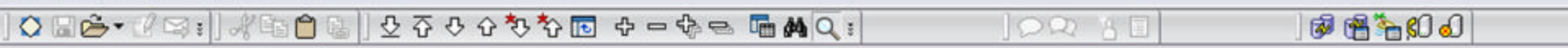
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# Domino Domain Monitoring

- **Helps reduce downtime by providing a means to quickly monitor and determine the health of an entire domain at a single UI location and quickly resolve problems. How?**
  - Automate problem determination/analysis by feature
  - Rollup, prioritize and resolve problems across servers
  - Hide details until you need them.
  - Make DDM checks and reporting configurable and flexible
  - Pave the way for further autonomic initiatives



### Domino Domain Monitor

- By Severity
- By Type
- By Server
- By Date
- By Assignment
- My Events
- All Events By State
- Open Configuration

Show Administrators

C:\Documents and Settings\Administrat

Open Events Recent Events All Events

Assign Events... Change State Add Comments... View Unread

Search in View 'All Events By Severity' Not indexed ? X

Search for  Search More

#	Type	Date	Server	All Events By Severity	Assigned To
49	Fatal				
31	Application Code				
4	Database				
11	Messaging				
3	Replication				
	11/02/2004 Annie/Iris	11/02/2004	Annie/Iris	Unable to replicate sysnotes.nsf: Insufficient memory.	
	11/02/2004 Ella/Iris	11/02/2004	Ella/Iris	Unable to replicate ddm.nsf: Insufficient memory.	
	11/02/2004 parton/Iris	11/02/2004	parton/Iris	Unable to replicate mail/rpatil.nsf: Insufficient memory.	
136	Failure				
18	Application Code				
11	Database				
15	Directory				
15	Messaging				
2	Operating System				
53	Replication				
11	Server				
11	Web				
495	Warning (High)				
475	Warning (Low)				
90	Normal				
1245					

Event Preview



# Policy Based Management

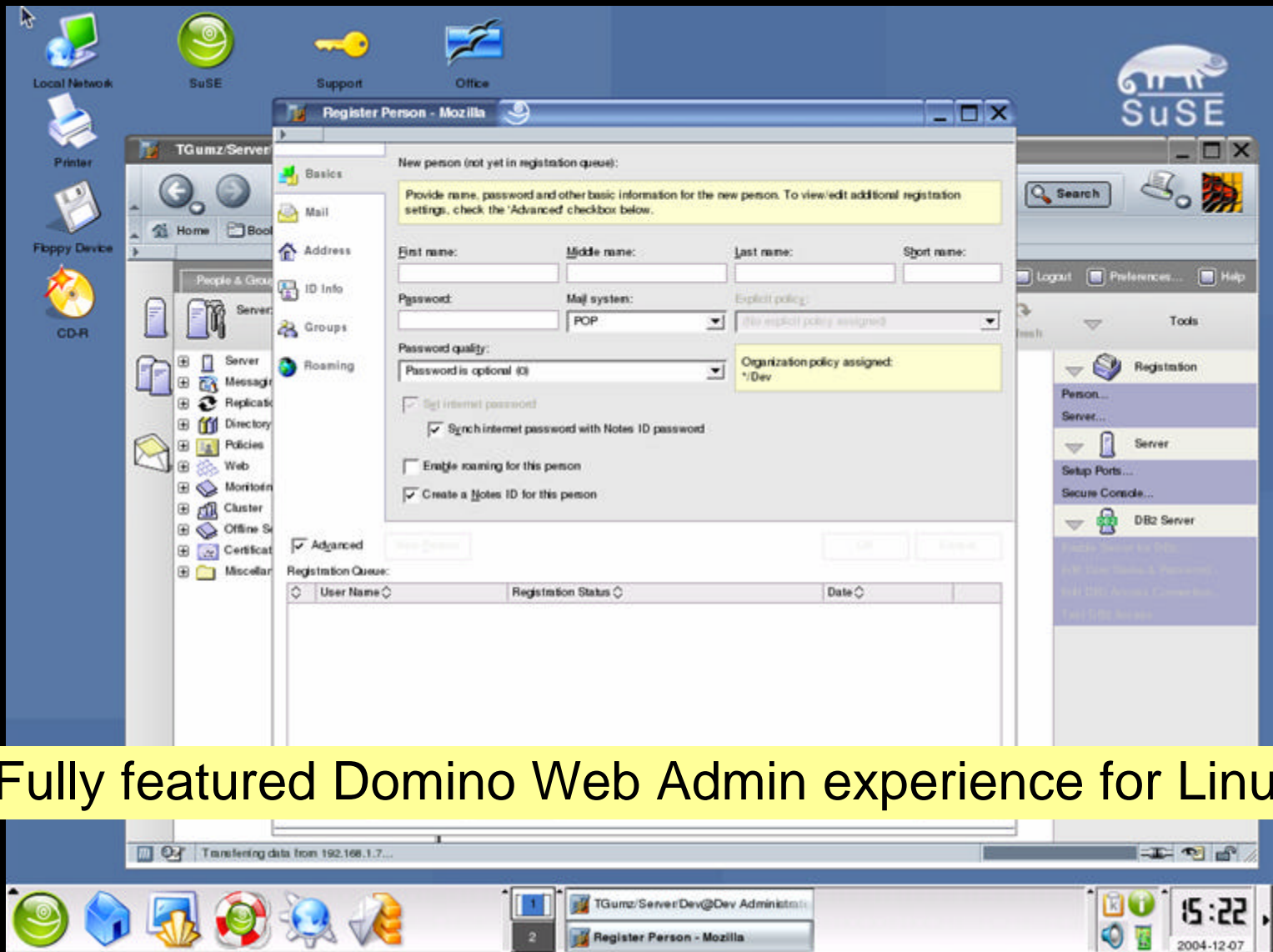
- **Apply settings to multiple users**
  - based on the structure of the organization
  - based on explicit, non-organizational assignments
  
- **In 6.5**
  - Notes Client desktop/setup: security, registration, archiving
  
- **In 7.0**
  - Client Policy Lock-Down for all settings
  - Mail and calendar settings
  
- **Benefits:**
  - Helps reduce cost of client support

# Smart Upgrade Improvements in 7

- **Smart Upgrade tracking**
- **Governor - Limit the number of Smart Upgrades per hour (also in 6.5.4)**
- **Smart Upgrade server cluster failover to another server**
- **Smart Upgrade failover from shared drive path kit to Attachment kit.**
- **Smart Upgrade fields added to the desktop policy settings document.**



# Linux/Mozilla Web Admin



Fully featured Domino Web Admin experience for Linux



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# Domino 7 integration with IBM DB2 Universal Database



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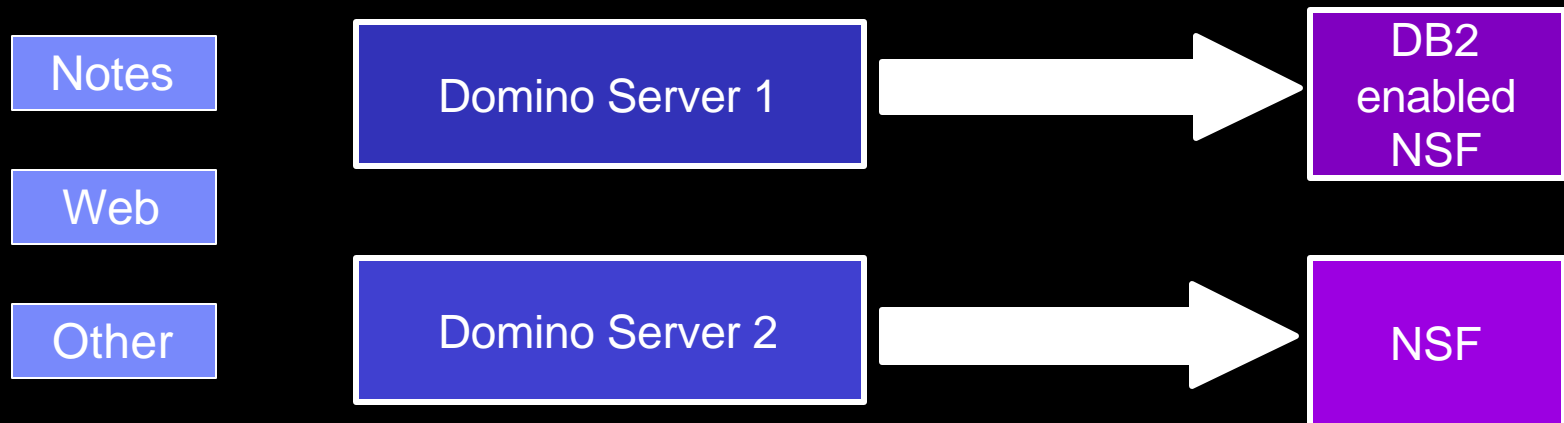
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# Why Integrate Domino with DB2 Universal Database?

- **Leverage DB2 for storage of Lotus Domino data**
- **Enable Domino Developers to build applications that blend Domino collaborative services and DB2 relational data using Standard Query Language (SQL)**
- **Allow enterprises to consolidate their data in DB2 and integrate it with other applications including IBM Workplace applications**

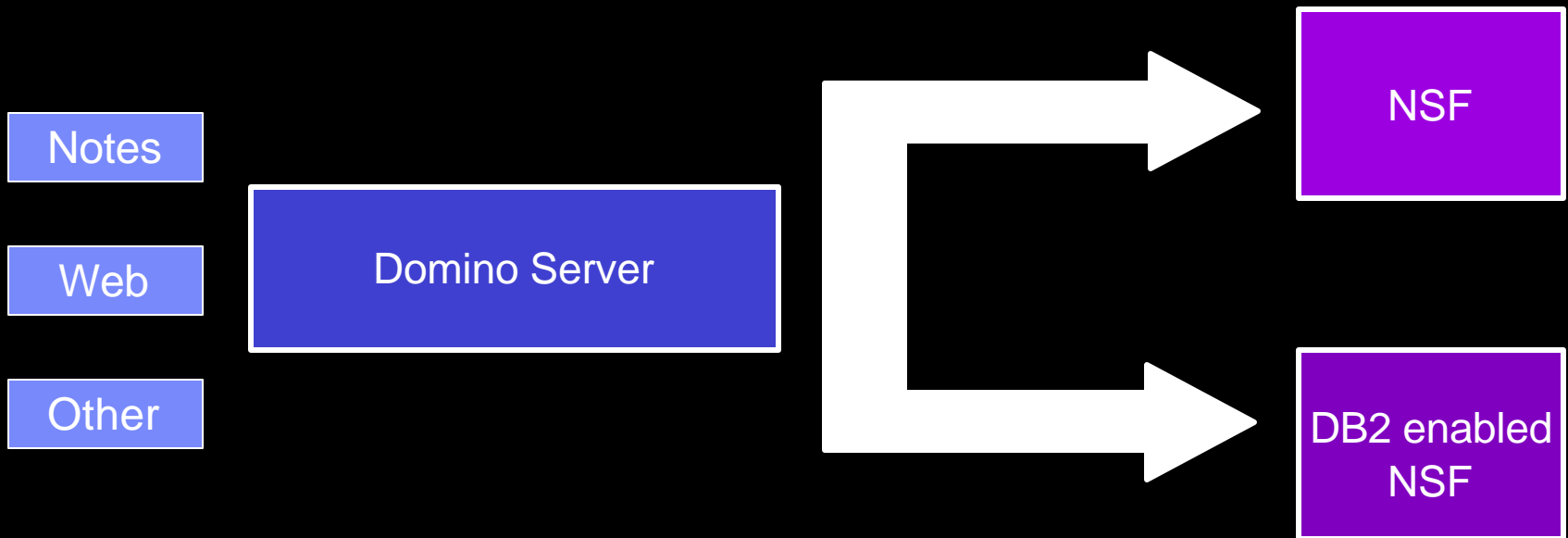
# DB2 Support in Domino 7

- **Domino 7 supports DB2 as an optional data store**
  - Not a replacement for NSF
- **Functional application transparency**
  - API compatibility
- **New application features**
  - DB2 access views
  - Query views – SQL based queries as views



# DB2 Support for Domino

- **DB2 enabled Domino servers can manage both DB2 enabled NSF and traditional NSF databases**





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## Domino 7: Additional Functional Enhancements



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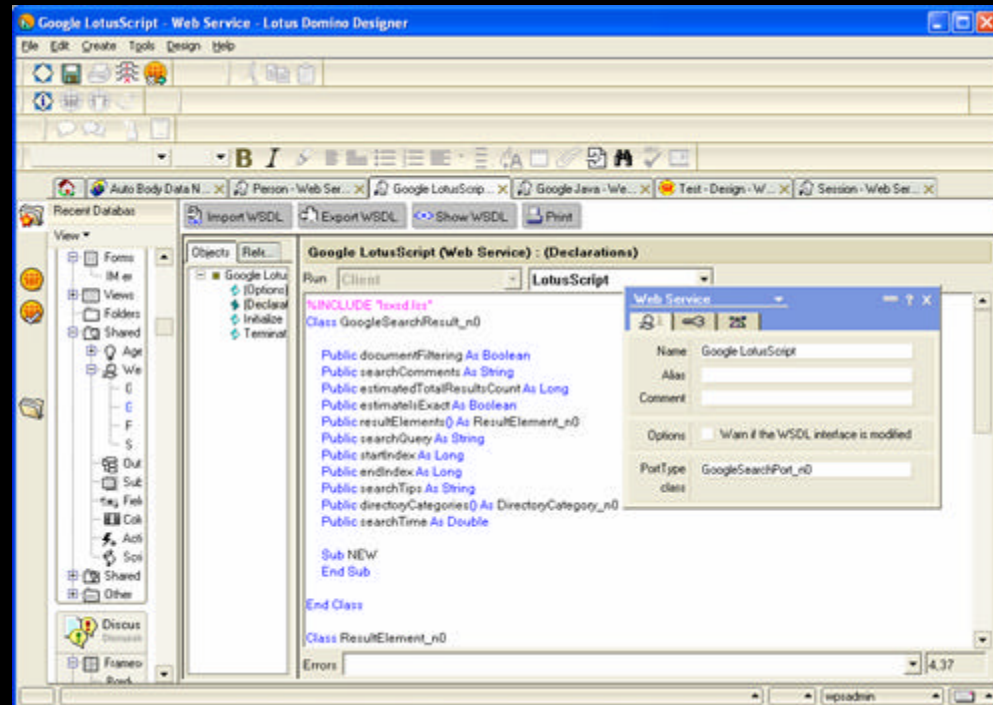
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# Domino 7 Applications Development - Web Services

- **Domino Server is a host of Web Services**
- **Domino Designer support for developing Web Services**
  - Extends Web Agent behavior
  - Import / Export WSDL for LotusScript and Java Web Services
  - J2EE or .NET app integration



# Improved Email Management

- **Spam management**
  - DNS blacklists (also in 6.x)
  - Private blacklists
  - Private whitelists
  - DNS whitelists
- **Message disclaimers**
- **Archiving by date**

# Domino Server – Security & LDAP

## ■ Security

- Single Sign-on - more flexible naming for SSO LTPA token
- Stronger encryption in Notes RPC
  - 1024 bit RSA keys
  - 128 bit symmetric keys
- Programmatic interfaces for manipulating secure email

## ■ LDAP

- Improved performance
  - LDAP server thread pooling
  - DA LDAP miss caching
- DDM LDAP server health monitoring

## ■ Integration

- Support for Java 1.4.2; native Java debugger



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# Integration with Instant Messaging & Web Conferencing

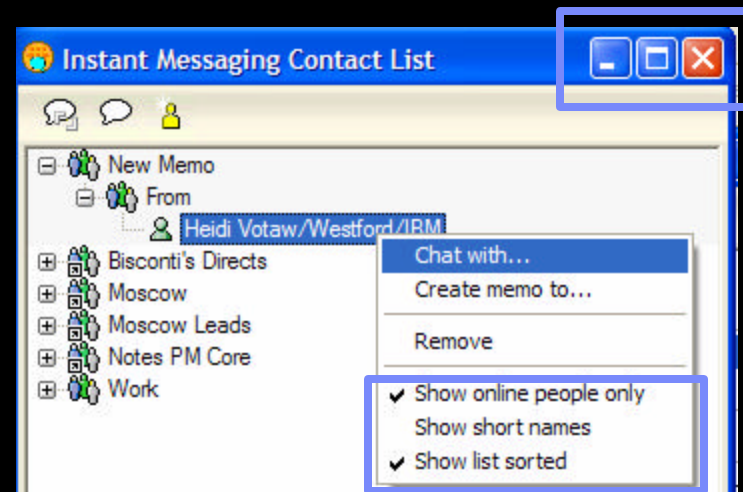
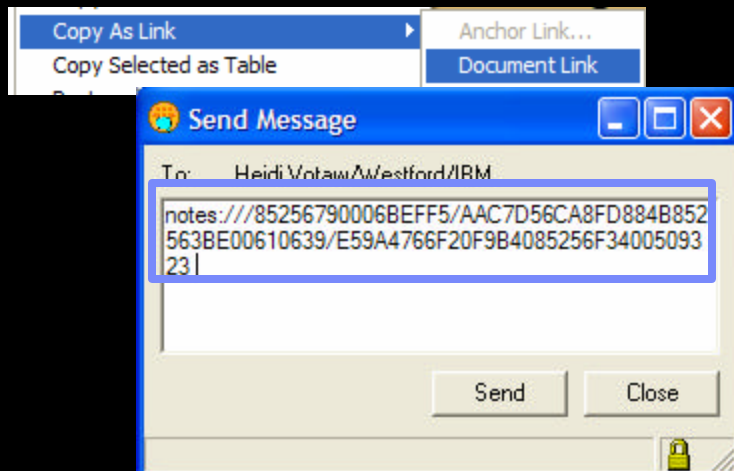
- Increased presence awareness (C&S forms/views, Discussion, and TeamRoom)
- Control who can see if you are online
- Multi threaded support for Instant Contact List and chats

The screenshot displays the IBM Workplace interface with several key features highlighted by blue boxes:

- Discussion Panel:** A table with columns for Date and Topic. The first row shows "06/29/2004" and "Notes Client presentations". A blue box highlights the user icon next to the topic.
- Calendar:** A calendar view for June 2004, showing the 29th as a Tuesday. A blue box highlights the "Chat" button in the calendar's toolbar.
- Meeting Details:** A purple box highlights a meeting entry: "Meeting to review Notes 7 features", "Location: Conference call", "Chair: Heidi Votaw".
- Chat Menu:** A blue box highlights the "Chat with..." dropdown menu, which includes options like "Show/Hide Instant Contact List" and "Add to Instant Contact List...".
- Buttons:** A blue box highlights the "Chat with Author" button in the Discussion panel's header.

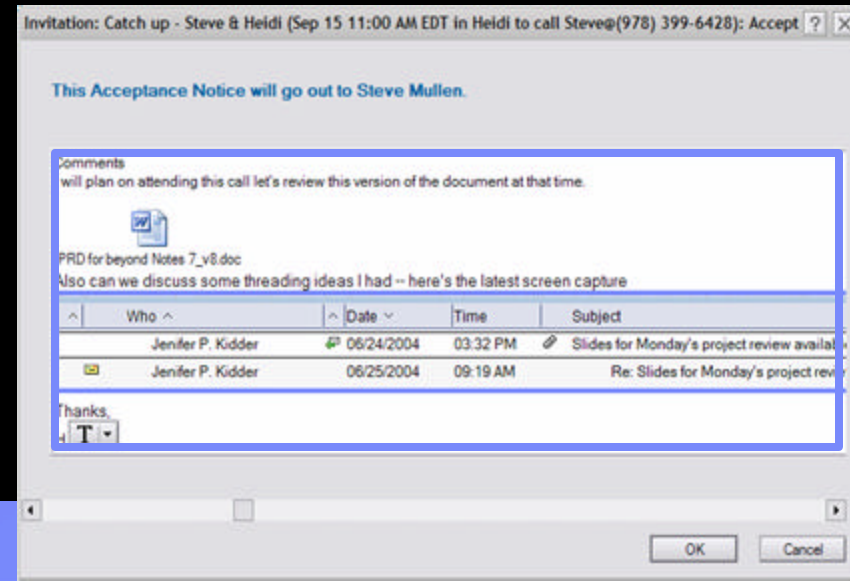
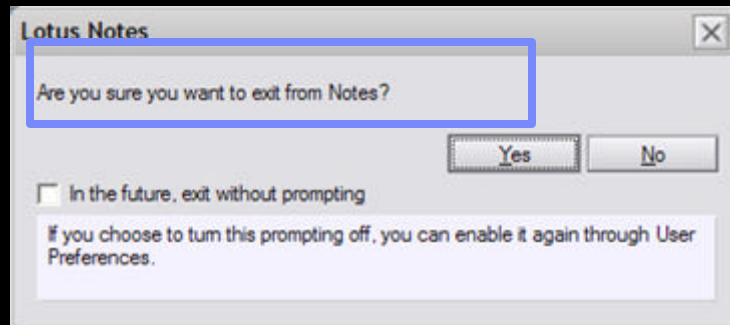
# Integration with Instant Messaging and Web Conferencing (cont.)

- Ability to save chats to a mailfile
- Notes URLs in Instant Messaging chat windows
- Interoperability with Instant Messaging capability of IBM Workplace Collaboration Services
- Enhanced security for web conferences (password / restrict attendance)



# Usability enhancements

- **Cleanup Utility for Calendar Entries**
- **Archiving User Interface enhancements**
- **Ability for rich text comments and cancellation**
- **Save open window state on close**
- **Confirmation prompt on close**
- **Enhanced meetings view**



# Usability & Microsoft Integration

## ■ Usability

- Sort by subject in the Inbox and All Documents view
- Quickly close all open Notes windows
- Notice when subject field is blank

## ■ Microsoft Office integration

- Support for Office 2003 Smart Tags

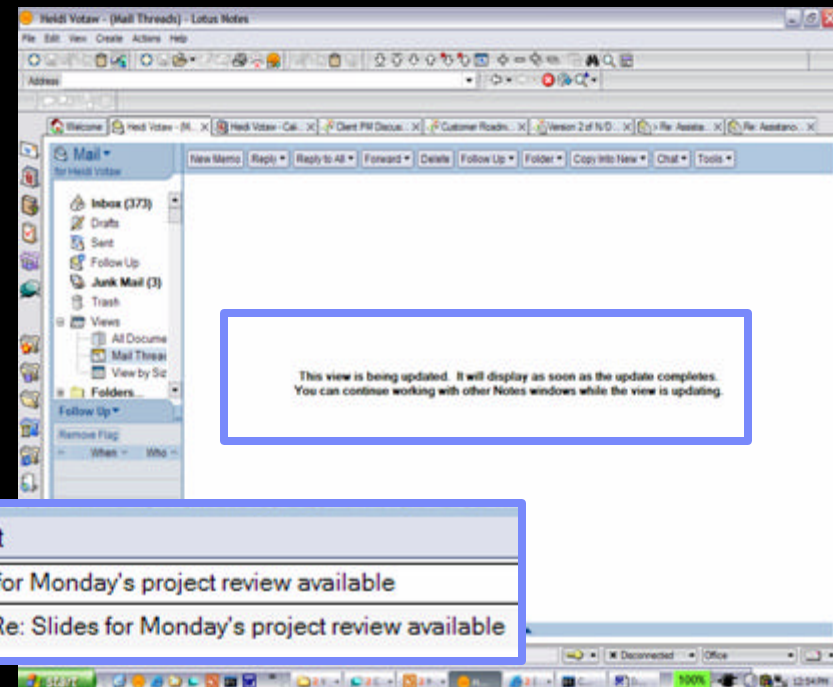
The screenshot illustrates several usability and integration features in IBM Notes:

- Smart Tag Integration:** A context menu is shown over a Smart Tag, listing actions such as "Send Mail", "(Lotus Notes) Create Memo to", "(Lotus Notes) Invite to Meeting", "(Lotus Notes) Show Name Details", "Remove this Smart Tag", and "Smart Tag Options...".
- Folder and Copy Options:** A toolbar shows "Folder" and "Copy Into New" buttons, with a "Subject" dropdown menu highlighted.
- Subject Field Warning:** A dialog box with a question mark icon asks, "You have not entered a subject for this memo. Do you want to send it without a subject?" with "Yes" and "No" buttons.
- Window Management:** A menu is open showing options: "Close All Open Window Tabs", "Save Window State", "Clear Saved Window State", and "Exit Notes".
- Email Fields:** A portion of an email form is visible, showing "To: Steve Mullen/Westford/IBM", "cc:", "bcc:", and "Subject:" fields.



# Productivity enhancements

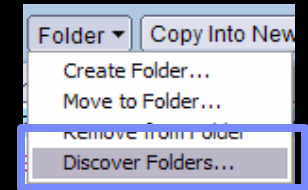
- **Asynchronous (non-blocking) on view open**
- **Auto processing accept – double book conflicts**
- **Auto Save**
- **Mail threads in mail memo**





# Productivity enhancements (cont)

- Mail attention indicators
- Discover folders
- “Workplace” Welcome Page wizard
- Improvements to Rooms & Resources (resource.nsf)
  - Resource Manager – processes requests & provides visual status



Search in View 'Reservations By Date'

Search for

	Start Time	End Time	Resource
✓	11:00 AM	- 12:00 PM	2348 - Do
✓	11:00 AM	- 12:00 PM	1751 - Ha
✓	11:00 AM	- 12:30 PM	2635 - Ja
✗	11:00 AM	- 02:30 PM	2460 - Gr
✗	12:00 PM	- 05:00 PM	1423 - Fij
✓	01:00 PM	- 02:00 PM	2635 - Ja
✓	01:00 PM	- 02:00 PM	2348 - Do
✓	01:00 PM	- 02:00 PM	1747 - St
✓	01:00 PM	- 02:00 PM	1537 - Te

Mail | Calendar & To Do | Access & Delegation

Basics | Letterhead | Signature | Follow Up | Message Marking

Senders | Recipients

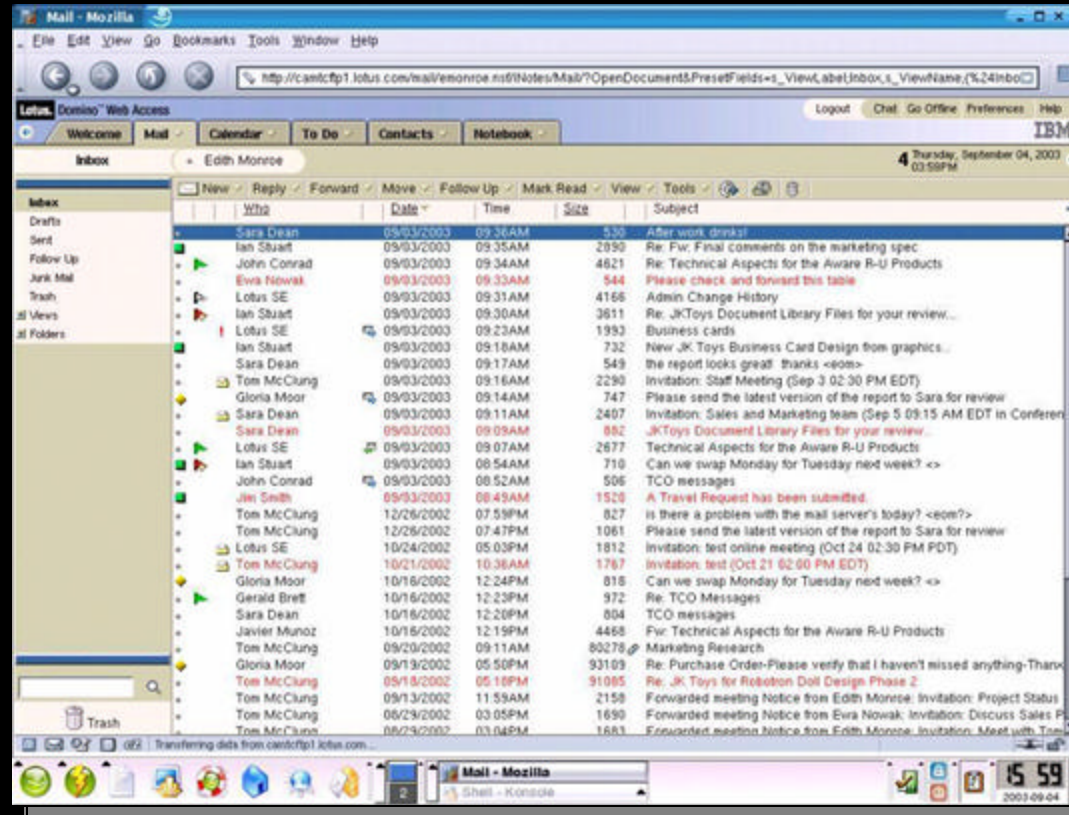
The following settings will apply to mail addressed to you or any alternate or group name you specify below, but will not apply if you receive mail as a member of a group. Enabling any setting will display a new column in the mail views.

- Display a solid circle ● when I am the only recipient in the To field
- Display a half-solid circle ◐ when my name is one of UP TO this many names in the To field: 2
- Display an empty circle ○ when my name is in the cc field or is one of more than 2 in the To field

# Domino Web Access

## ■ Domino Web Access (DWA)

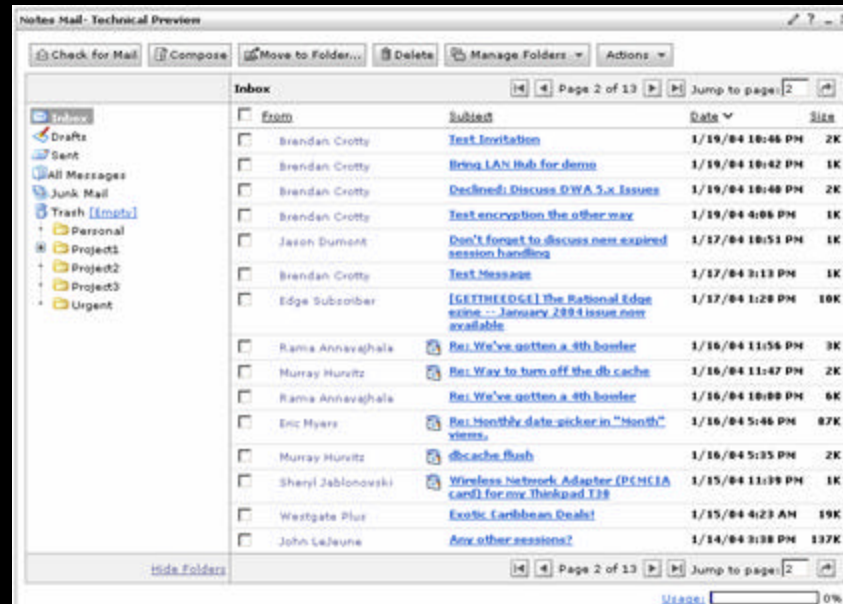
- Rich user experience and features – mail, calendar, contacts, to do
- Offline support
- Windows and Linux support
- NEW in 7.0
  - S-MIME security
  - Firefox browser support
  - Scalability improvements



# Domino Mail & WebSphere Portal

## ■ Common PIM Portlet

- Add Domino mail and calendar to WebSphere Portal applications
- Available with WebSphere Portal Server 5.1



# Notes & Domino 7 Planned Platform Support

## ▪ Notes

- Windows 2000, XP, XP Tablet PC Edition
- **Apple Macintosh (Planned certification post 7.0)**

## ▪ Domino

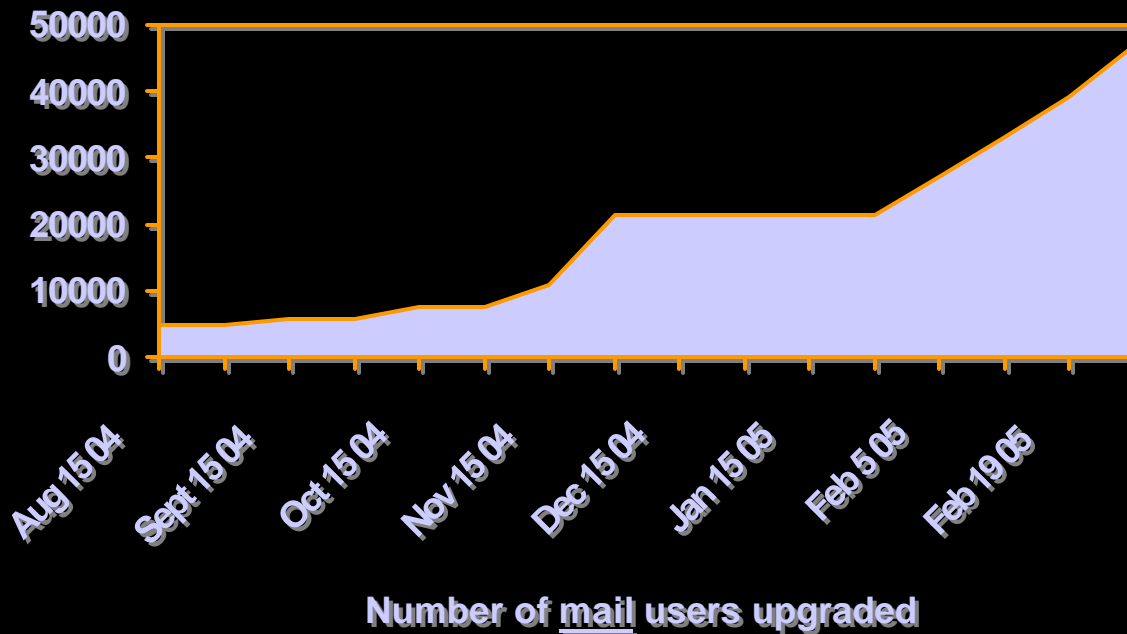
- Windows 2000 Server & Advanced Server
- Windows 2003 Server & Enterprise Edition
- AIX 5.2 & 5.3
- Solaris 9.0
- z/OS 1.5 and higher
- i5/OS V5R3 (iSeries)
- Novell SUSE Linux (SLES) 8 & **9 (Intel 32 architecture)**
- Novell SUSE Linux (SLES) 8 (zSeries)
- **Novell SUSE Linux (SLES) 9 (zSeries)**

Domino running in toleration mode on 64-bit Linux  
Planned - certification post 7.0

- **Solaris 10.0**
- **Redhat Enterprise Linux (RHEL) 4**

# Notes and Domino 7 Status

- 25,000+ Notes and Domino 7.0 beta downloads
- Beta 3 available now
- Successful large scale early deployment @ IBM



# Additional information & resources

- **Notes / Domino 7 Public beta site** [www-10.lotus.com/ldd/beta/nd7pubbeta.nsf](http://www-10.lotus.com/ldd/beta/nd7pubbeta.nsf)
- **Feedback forum for Notes / Domino 7**  
[www-10.lotus.com/ldd/beta/nd7pubbeta.nsf/DateAllThreadedWeb?OpenView](http://www-10.lotus.com/ldd/beta/nd7pubbeta.nsf/DateAllThreadedWeb?OpenView)
- **For more information on all of the IBM Messaging solutions visit** [www.ibm.com/lotus/messaging](http://www.ibm.com/lotus/messaging)
- **For more technical information visit the Lotus Developer Domain** [www.lotus.com/ldd](http://www.lotus.com/ldd) site contains information on;
  - Notes/Domino, Notes/Domino fix list database, Notes/Domino discussion forums, Notes/Domino Whitepapers, Notes/Domino Redbooks, and more

# GRAZIE!!!

*For more information...*

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[ibm.com](http://ibm.com)

Lotus software home page

[ibm.com/lotus](http://ibm.com/lotus)

IBM Workplace home page

[ibm.com/software/workplace](http://ibm.com/software/workplace)