Lotusphere 2010

Lotus knows.

Smarter software for a Smarter Planet.

What's new with Notes Domino 8.5.1

Ray Davies – Technical Specialist ASEAN Region

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lotusknows.com

Agenda

- IBM Lotus Client Strategy
- Lotus Notes 8.5.1
- Lotus iNotes 8.5.1
- Lotus Domino 8.5.1

The information on the new product is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information on the new product is for informational purposes only and may not be incorporated into any contract. The information on the new product is not a commitment, promise, or legal obligation to deliver any material, code or functionality. The development, release, and timing of any features or functionality described for our products remains at our sole discretion

The Lotus Vision

Choice of Client / Choice of Service to connect people to the process

User Experience

Natural, Intuitive, Adaptive User Experience

role-based

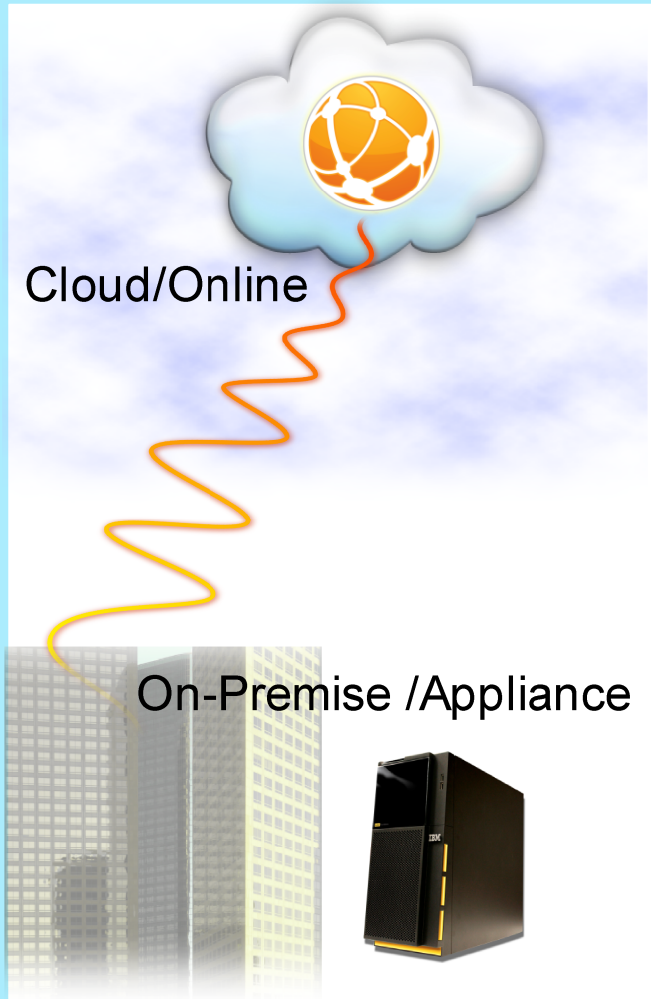
process-driven

in context

Investment Protection & Cost Control

- Multiple Client, Server, and Mobile Platforms
- Lower TCO
- Open Vendor Solutions
- Integration Platform for your Business Applications
- SOA Collaborative Services

Flexible Delivery Models



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Collaboration in Context

Effective, Responsive and Innovative in the Context of the Work People Do

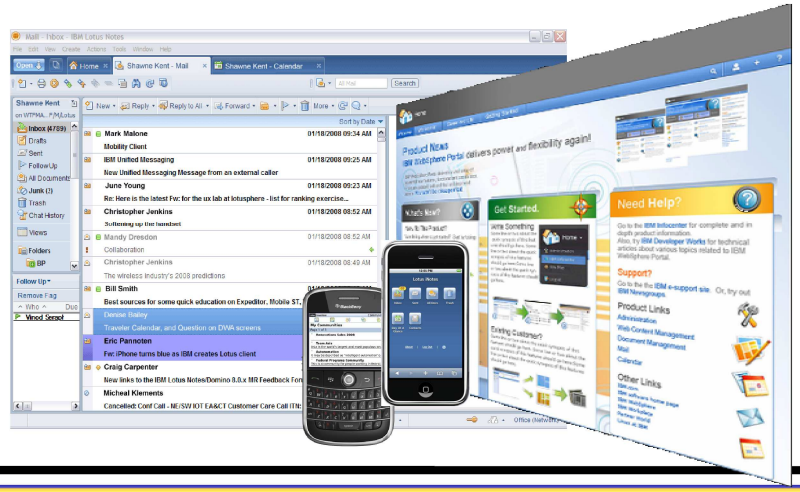
Social networking— wikis, blogs, mashups, activities

Unified Communication, Instant Messaging

Personal and corporate content/document library

Documents, presentations, spreadsheets

Feeds, My Widgets, Live Text



E-mail, calendar, contacts

Collaborative and business applications

Leveraging ALL your current investments

ORACLE, DB2, SAP, BlackBerry, FileNet P8, EMC² where information lives, IBM, CISCO, AVAYA

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IBM

Notes/Domino facts and statements

Uptake of 8.5.x has exceeded previous release adoption rates by 2X!

Matt Cain from Gartner position Lotus Notes as "the future of e-Mail"

Lotus has gained over 18,378 new customer organizations since Lotus Notes and Domino 8 shipped

50% of the Global 100 use Lotus Notes/Domino

Lotus Notes and Domino are supported by over 10,000 IBM Business Partners worldwide

"IBM has actually leapt to the head of the e-mail client pack by merging the traditional Notes client with Lotus Expeditor." --- Gartner

"Lotus Notes 8.5 defeated Microsoft Exchange 2010 in a competitive product review." --- CRN

We made some changes to packaging...

- **Why?**
  - You asked for it!
  - Respond to new buying patterns and customer desire for simplification
- **What?**
  - Flexibility - License based on usage, not based on access method/client
  - Simplification - Reduce number of client SKUs from 11 down to 2
  - Value oriented - Deliver additional value through entitlements

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What does it all really mean?
Free Designer! And VPN clients!

	Domino clients	Enterprise CAL (email/PIM/Domino applications)	Messaging CAL (email/PIM only)
	Lotus Notes	X	X
	Lotus iNotes	X	X
	Lotus Notes Traveler	X	X
	Lotus Domino Designer	X	
	Lotus Symphony	X	X
	*Lotus Mobile Connect (clients)	X	
	Lotus Sametime entry	X	X
	Lotus Quickr entry	X	X

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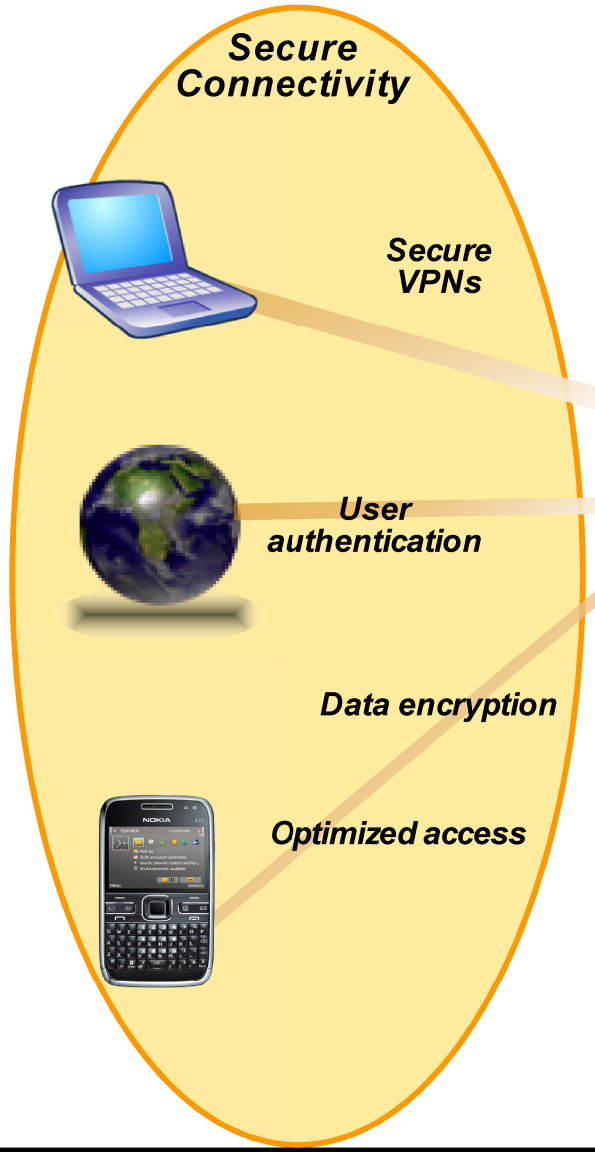
IBM Lotus Mobile Connect

Secure Access to Information over transient networks



- **VPN solution supports all access points**
  - Desktop (client)
  - Handheld Mobile device (client)
  - Browser (client – less)
- **Proven ROI - least cost routing & data optimization**
- **Secure end-to-end connect to corporate intranets**
  - Strong authentication and support for RSA Secure ID
  - End-to-end encryption- DES, Triple DES, RC5 and AES and FIPS 140-2 cert.
- **Linked value (integrated support)**
  - IBM® Lotus® Notes® Traveler, Lotus Sametime mobile
- **Scalable and Reliable**
  - Supports gateway clustering, and can distribute across multiple sites

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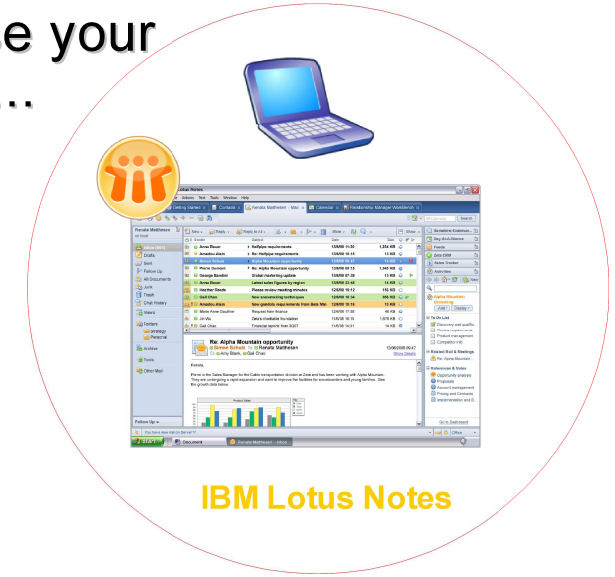
Roadmap ahead is full of great options with out of the box capabilities

Choose your client....



IBM Lotus Notes

IBM Lotus iNotes

IBM Lotus Notes Traveler

Works with your choice of platform....

IBM Lotus® Domino®

LotusLive

IBM Lotus Foundations

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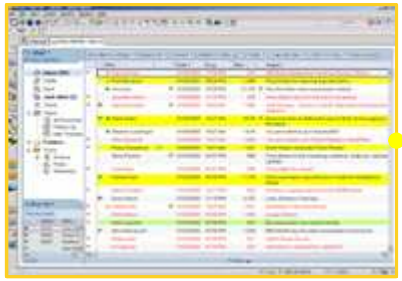
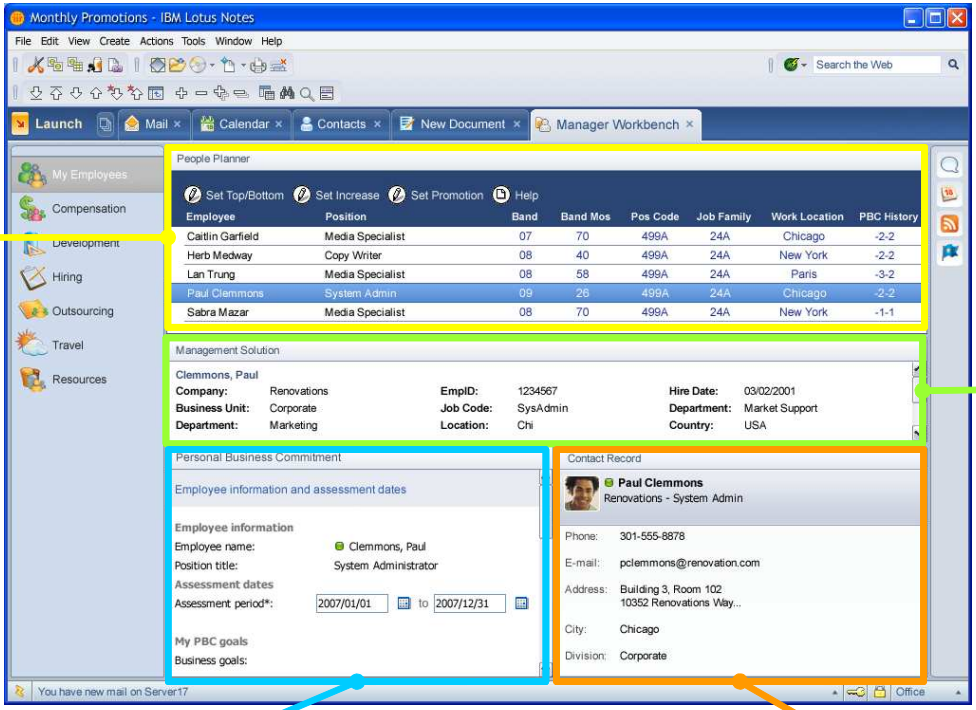
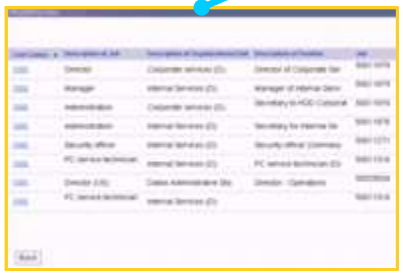
Unified View – more than just email...



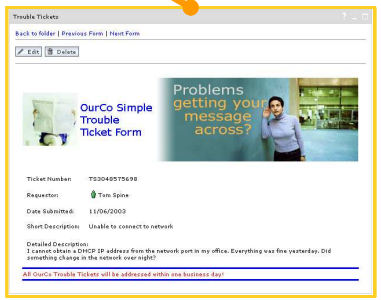
Planner Component
(Notes)



Management Component
(3rd Party)



Assessment Component
(Web)



Contact component
(Eclipse)

Demo (if possible)

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Why Notes 8.5.1? - Quality, Quality, Quality

1. Unified Business Card
2. **Lotus Protector Spam support**
3. **Lotus Traveler for iPhone**
4. Upgradeable ST, Symphony, Connections
5. XPages in the client
6. Accept/Decline from Preview Pane
7. Auto-correct text
8. Drag/Drop table manipulation, e.g. resizing
9. Drag e-mail onto side calendar
10. Extensible search center – add your own
11. Empty trash with right-hand mouse click
12. **Viewers support Lotus Symphony (ODF) docs**
13. **Import Office 2007 docs in Lotus Symphony**
14. Sametime parity (e.g. Add emoticon)
15. **Roaming workspace**
16. Append vCard to mail signature
17. **Unread counts and type-ahead in iNotes**
18. More colors available for color coding
19. **APIs for accessing Notes data from Eclipse**
20. iNotes ID Vault Integration

See the future

Lotus Notes

Lotus Domino

2009

Lotus Notes and Domino 8.5

Reduced Total Cost of Ownership
- Simplified Notes identity management
- Reduced storage costs
- Improving Quality of Service

Enhanced Application Development
- Web Application Modernization
- Eclipse-based Domino Designer
- XPages

Paving the path to related information
- Search Connections
- Calendar overlays

Broaden the reach of the Notes client
- Roaming User
- Mac OS 10.5 (Leopard), Ubuntu 8.04 and Citrix 64-bit client support,
- Nokia series 60 devices
- Greater alignment with iNotes (Quickr support, widgets, policies, sidebar)

Lotus Notes and Domino 8.5.1

Infrastructure
- GZIP
- DAOS exploitation
- SPNEGO

Integration
- LotusScript Editor
- Java Editor
- IDVault Extensions

Improvement
- Drag & Drop calendar entries
- Enhanced editor
- Mac & Linux Desktop Search

2010

Lotus Notes and Domino 8.5.2

Enhanced Application Development
- Xpages Extensibility APIs
- Xpages Client Integration Improvement
- DXL -- fidelity improvements

Broaden the reach of the Notes client
- LLN2 integration
- Mac OS 10;6, RHEL 5.4, Windows 7

2011

Lotus Notes and Domino 9 and Beyond

Generating power (knowledge) from information overflow
- Enhanced navigation
- Enhanced integration between Notes and other WPLC products
- Task management
- Search and Discover
- Archiving*

Continued investment in rapid application development
- New APIs and Design Elements

Eclipse Admin Client

Broaden the reach of the Notes client
- Additional mobile device support
- Remote forwarding
- Increased alignment with iNotes

Green innovations and cost of ownership reduction
- reduced disk space usage
- reduced i/o bandwidth consumption
- reduced power consumption
- reduced administration cost through task automation

Integration of adjacent email capabilities
- encryption
- DLP (Data Loss Prevention)
- other portfolio offerings

* Part or all of initiative could be delivered earlier

Note: Information is subject to change without notice at IBM's discretion

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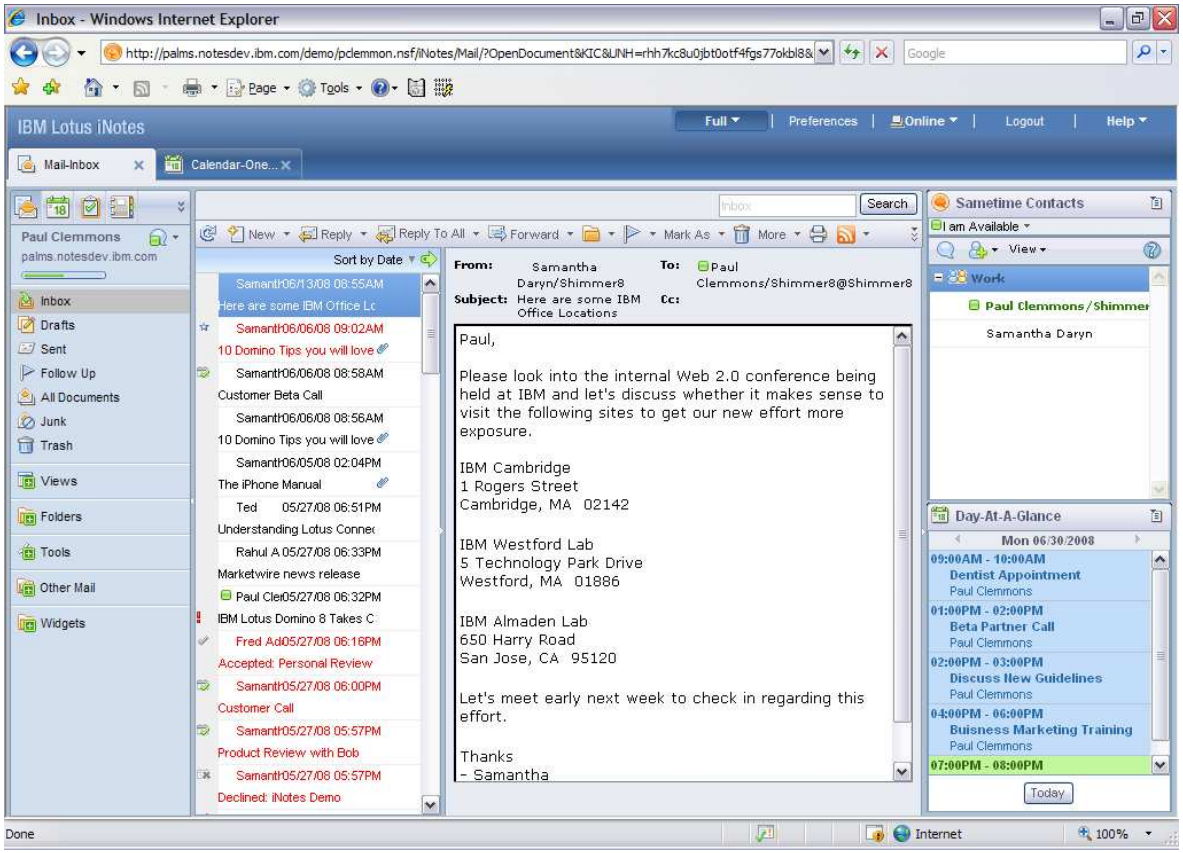
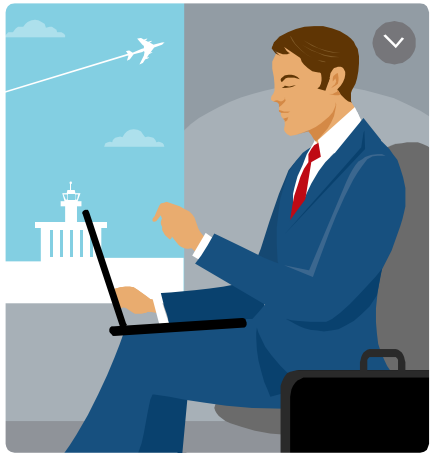
IBM Lotus iNotes

Provides a highly secure messaging and collaboration platform for sharing data, connecting your employees and extended communities



- Web browser client that delivers Domino messaging, collaboration and PIM (Personal Information Management)
- Easy-to-use interface -- both on- and off-line seamlessly
- Leverages Web 2.0 technologies, such as AJAX
- Centrally administered, and touts a low-touch to the desktop deployment model

iNotes for All Segments of Your Workforce



- Mobile Executives
  - Need big mailboxes and mobile messaging
  - Extra messaging services

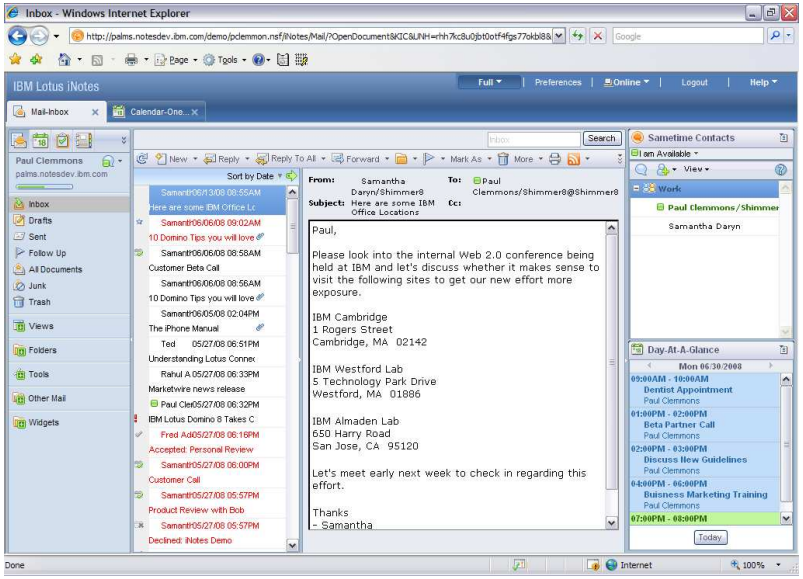
- Information workers
  - Need dedicated email client
  - Smaller (quota) mailboxes
- Occasional users
  - Small mailboxes
  - Occasional users…
    - likely over provisioned with features
    - do not have business email (but want it)
  - Deskless workers, part time, interns

- Disaster recovery option

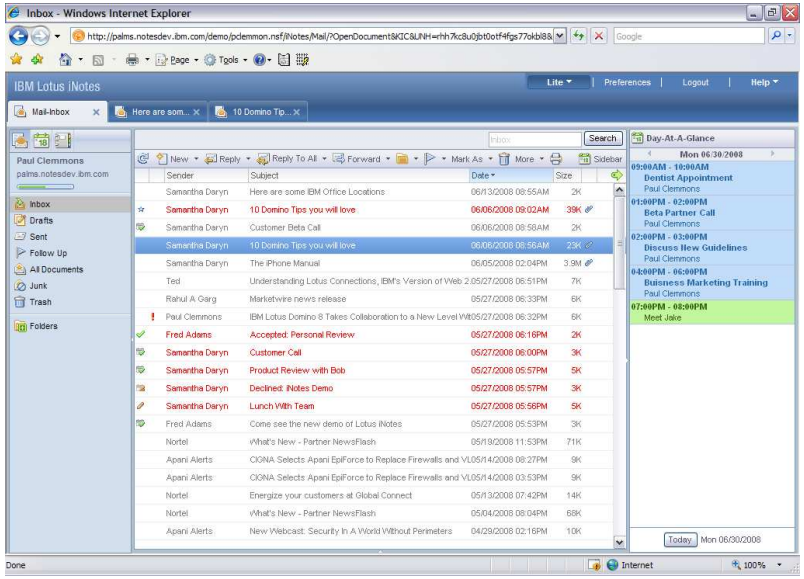
Lotus iNotes 8.5

- A new name
- A new UI framework
- Many new features and deployment options
- One template (shared with Notes client), 3 modes of operation:

Full

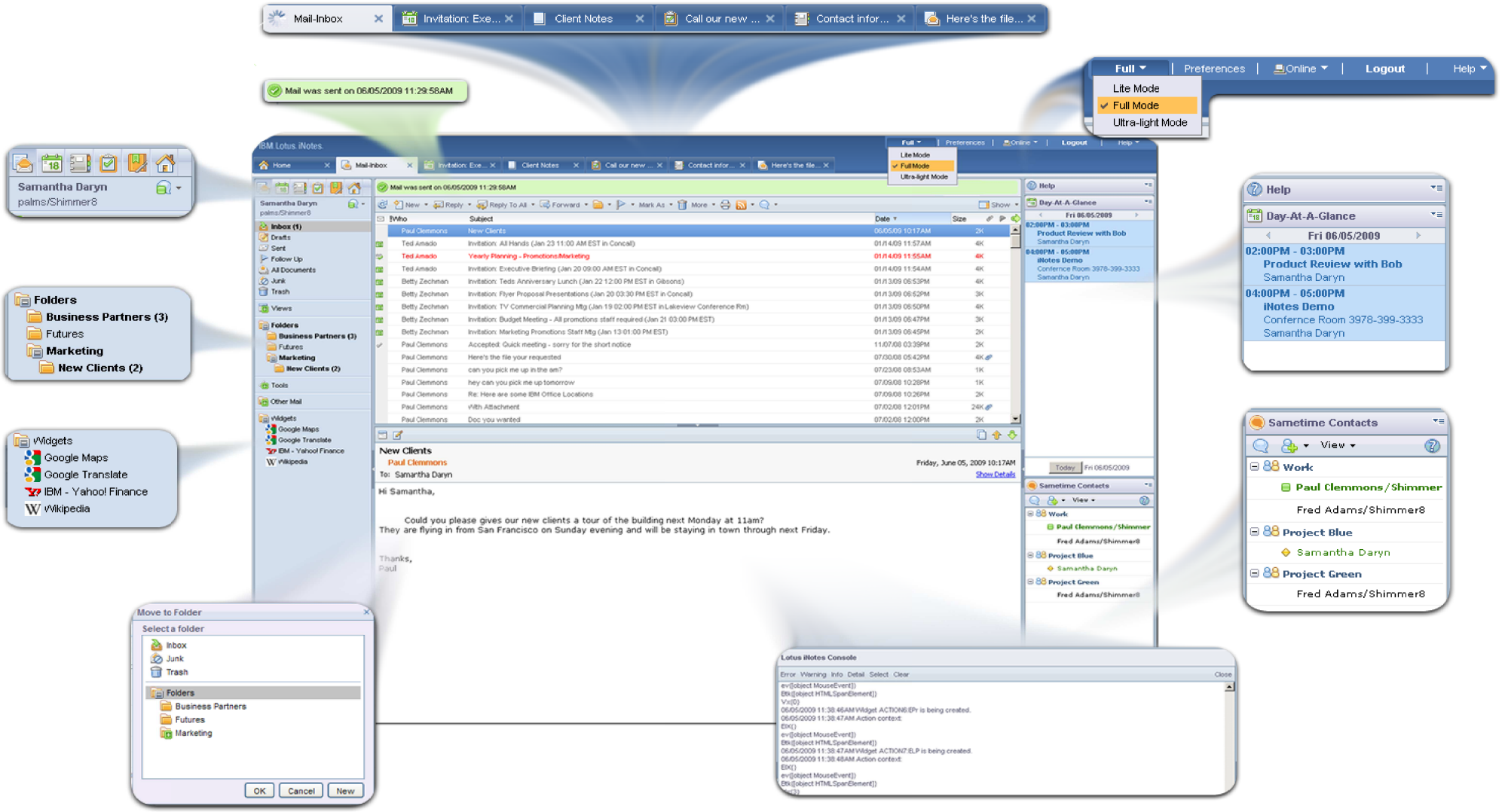


Lite



Ultra-light

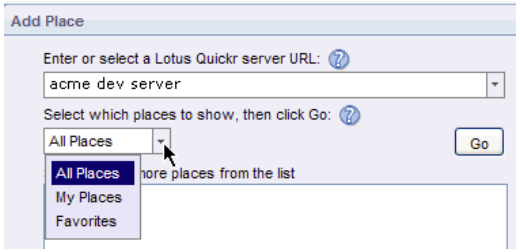
Lotus iNotes 8.5 “Sparkle” Framework



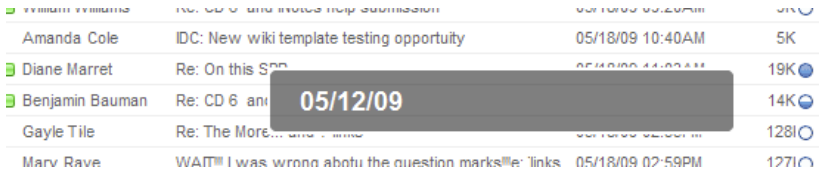
Lotus iNotes 8.5.1 Feature Highlights

- Improved type-ahead available in all modes
- Open a Notes link
- View unread count for all your folders

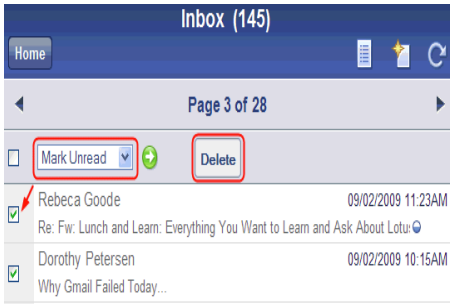
- Customization deployment improvements
- Updated Archive preferences
- Improved Archive experience
- Add a footer to your calendar
- Set IBM Lotus Sametime® Unyte™ preferences
- Updated Meeting preferences
- Improved IBM Lotus Quickr™ preferences

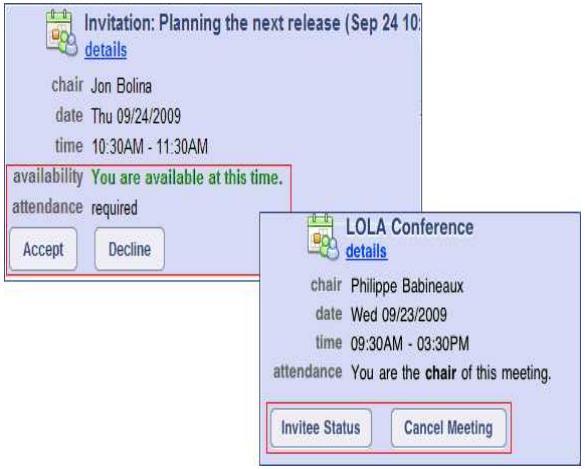


- Perform tasks while reading mail in the preview pane
- New options for adding signatures to mail
- Scan through mail quickly using scroll hints



- Ultra-light mode enahancements
  - view management actions
  - new features in Day At A Glance calendar
  - ability to respond to invitations
  - address picker





Lotus iNotes 8.5.1 Client System Requirements

System Requirements:

	Microsoft® Windows® XP Pro, Vista	Apple Macintosh OS 10.4, 10.5, 10.6	Linux®-SLED 10, RHED 5.2 Ubuntu 8.0.4/8.1	Apple iPhone, iPodTouch
Recommended	Intel® Pentium IV, 2 GHz 512 MB	Intel Core Duo, 2 GHz 512 MB	Pentium IV, 2 GHz 512 MB	3G/3GS Firmware 3.1
Minimum	Pentium III, 1 GHz 256 MB	G4, 1 GHz 256 MB	Pentium III, 1 GHz 256 MB	2G (Edge) Firmware 2.2

Supported Browsers:

	Windows XP Pro, Vista	Macintosh OS 10.4, 10.5, 10.6	SLED 10, RHED 5.2 Ubuntu 8.0.4/8.1
MAIL85	IE 8.0. 7.0, 6.0 Firefox 3.5, 3.0, 2.0.13	Safari 4.0, 3.1 Firefox 3.5, 3.0, 2.0.13+	Firefox 3.5, 3.0, 2.0.13+

Lotus iNotes Feature Roadmap

Lotus iNotes 8.5

- Managed tabs / sidebar framework for full mode
- Improved calendar views
- Message recall
- Initial policy driven feature enablement
- Ultralite mode – mobile, accessible browsers
- Quickr integration
- Extensions via Widgets
- Google calendar overlay
- LtpaToken2
- FIPS-140 Encryption
- DAOS
- Safari browser

2009

Lotus iNotes 8.5.1

- Read message performance improvements
- Recent collaboration type ahead list
- Notes HTML signatures
- Unread folder count / Inbox refresh
- Preview pane actions
- Scroll hints
- Web style search
- Ultra-light enhancements -
  - Mail management
  - Acccept/Decline meetings
  - Signatures
  - New date and address pickers
  - Auto timezone detection
  - Quick contact entry
- ID Vault and policy integration
- Improved server archiving UI and policy / criteria support
- More policy coverage
- Multilingual UI
- Portal/Widget programmability
- Customization improvements
- Safari 4 on Mac, IE8 for Windows

Today

Lotus iNotes "Next" (*)

- Quality initiative
- Edit (New, Reply, Forward, ,,,) message performance
- New Sametime 8.5 Web Awareness, Chat , Contact List, and Business Card integration
- Sametime 8.5. Meetings in Calendar form
- Ultra-light Bidi enablement
- Security Enhancements
- LLN2 integration
- Windows 7

2010

201?

Lotus iNotes "Beyond" (*)

- Continued client performance
- More feature parity with standard Notes client
- Task and Attention management
- Extended devices for ultra-light mode
- Sidebar extensibility
- Google gadgets integration
- Live Text support
- Quickr Widget integration
- Federated calendar
- Attachment viewer
- Offline improvements

(*) The information on future product features is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information on future product features is for informational purposes only and may not be incorporated into any contract. The information on new product features is not a commitment, promise, or legal obligation to deliver any material, code or functionality. The development, release, and timing of any features or functionality described for our products remains at our sole discretion

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Domino 8.5.1 Highlights

- Storage savings
- Identity management
- Application development

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Domino 8.5.x storage savings

- Reduce
  - Amount of storage needed
  - IOPS
  - Cost for storage acquisition
  - Administration

- Comprehensive approach
  - Design compression
  - Document compression
  - View index savings
  - Attachment compression
  - Domino Attachment and Object Service (DAOS)

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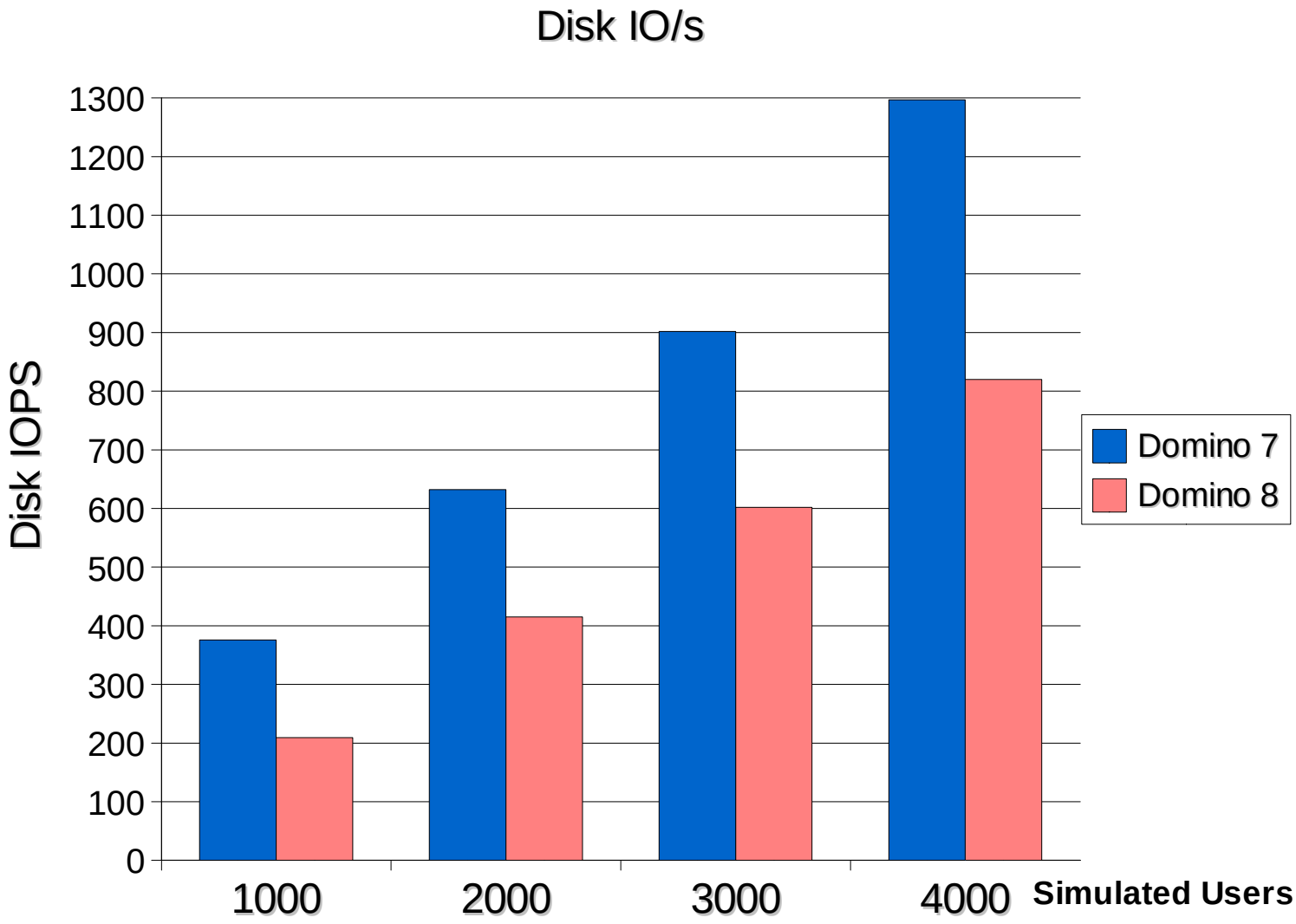
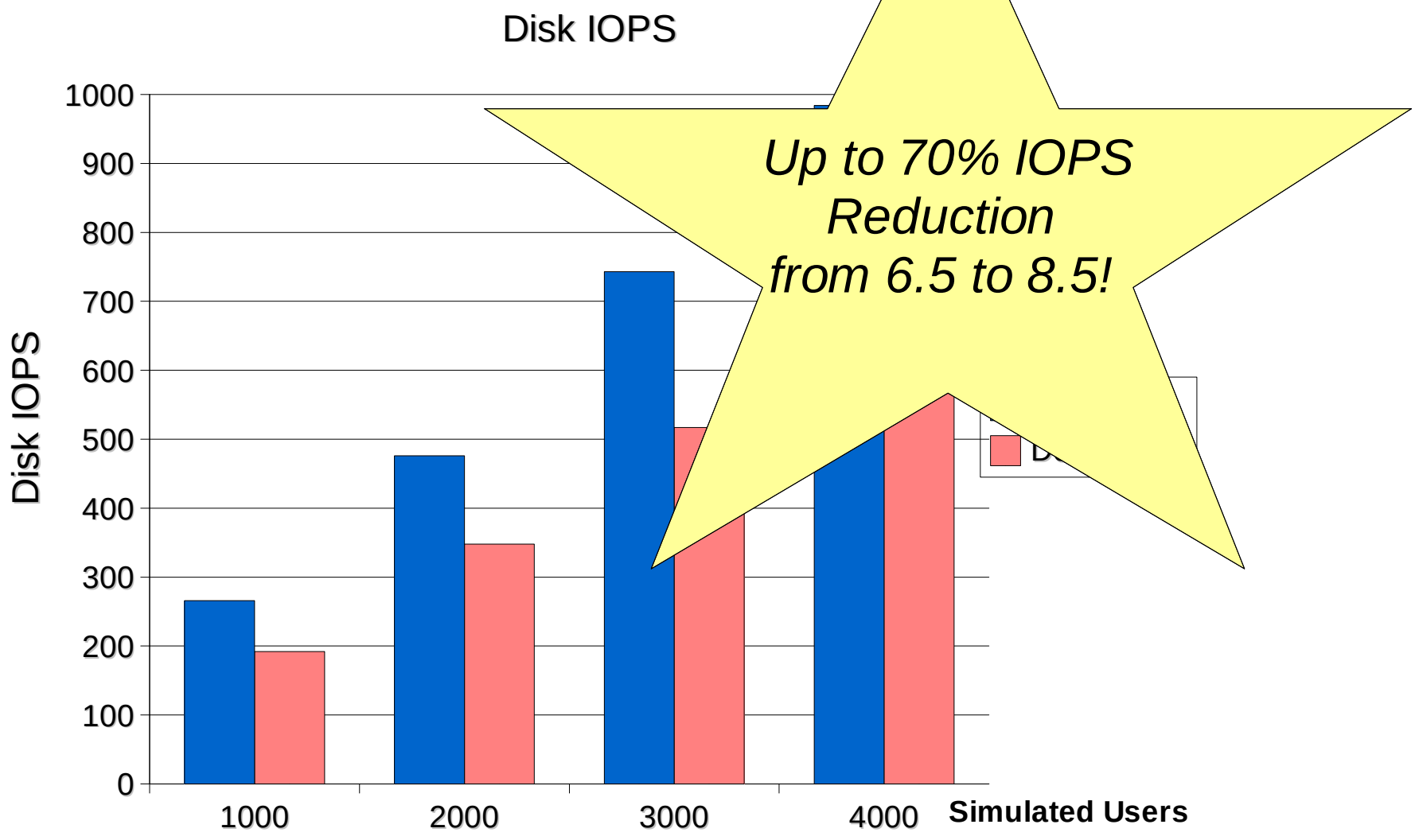
Domino 7 to Domino 8 I/O Improvement



Domino 8 to Domino 8.5 I/O Improvement



Quick recap of DAOS benefits

- Significantly reduces storage related costs

- Reduces I/O
- Reduces the size of NSF files in the data directory
- Allows for less expensive disks
  - Segregates static and dynamic data
  - Lower traffic to DAOS repository
- Reduces backup time and footprint
- Reduces net storage footprint
- Reduces administration requirements & costs

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DAOS Success Stories

Data Savings are real and immediate...

Before

After

Sample

Logical Size	Physical Size
12,399,371,863	3,193,700,352
12,390,111,164	1,142,947,840
10,552,805,400	950,272,000
9,540,250,414	1,496,317,952
9,470,820,428	502,005,760
9,097,916,575	689,963,008
7,175,034,545	1,320,681,472
7,151,433,914	1,546,387,456
6,285,527,701	746,061,824

50% Savings on disk!!

Used w/ permission from Chris Miller – IdoNotes (and sleep)

I have plenty of Disk, what I need is time and bandwidth...

- DAOS Enabled saved >400GB Per Server
  - ~60% Disk savings across 20 Servers
  - 8 Terabytes of data!!!
- TSM Backup time reduced from >8hrs to ~2hrs
- Data Domain replication dropped by 80%

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... but can I book actual savings ???

- Initial analysis and testing w/ 16,000 deployed mail files
  - Reduces the SAN disk space requirements for Notes mail
  - **Estimated at a saving of ~$100,000 per year**

- Storage expansion plans for 2010 likely to get pushed back to 2011.

- Reduces backup times – current backups are challenged to complete with 12 elapsed time window.

- Reduces people expense required for Domino storage management overall

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New DAOS capabilities in Domino 8.5.1

- Optimize network operations using DAOS
  - “Smart” replication/reply
  - Don't send 'known' attachments from client to server
    - Forwarding mail messages with attachments
    - Reply (to All) with History
  - Don't send 'known' attachments from server to server
    - DAOS key is sent from the client or server during object allocation

- Additional benefits
  - Reduced network bandwidth consumption
  - Reduced I/O

- “False alarm” for client-server replication not working...
  - Mere seconds to replicate local replica of mail file

Domino 8.5.1 – Identity management

- Domino 8.5.1 extends identity management capabilities
  - Ease of administration
  - Ease of use for end users
  - Secure

- Builds on Domino 8.5. capabilities
  - Notes ID vault
  - Notes Shared Login
  - Windows® single sign-on for Web clients (SPNEGO support)

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Domino 8.5.1 – Notes ID vault

- Server based application for storing and managing protected copies of Notes ID files
  - New users
  - Existing users

Real-world savings:

A customer that was spending 2 ½ hours per day recovering passwords now spends a total of 10 minutes on the same tasks!

- Reset forgotten passwords
- Synchronize ID files across multiple computers
- Auditor function to gain access to encrypted data

- New in 8.5.1:
  - Seamless provisioning of ID to Mailfiles and Mobile devices
  - Link mail-based ID files to ID vault
  - Propagates ID changes (e.g.: password, keys, etc.) automatically
  - Primarily for Lotus iNotes, Lotus Traveler, and BES

Domino 8.5.1 – Windows single sign-on for Web clients (SPNEGO support)

- "Single sign-on" for Domino web server
  - End users eliminate another password
  - Remove the need to manage HTTP passwords

- Allows Microsoft® Windows login credentials to be used to authenticate to servers
  - User logs into Windows (Active Directory), gets Kerberos credentials
  - Browser accesses Domino HTTP server leveraging the credentials

Domino 8.5.1 – Application development

- Domino Designer now widely available

- Domino Designer in Eclipse
  - LotusScript editor
  - Java Design Element editor

- New XPages capabilities
  - Build once for web and Notes rich clients

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Virus Scanning Support for 64 bit Domino 8.5.1

- Windows
  - **McAfee Security for Domino, 7.5 currently supports**
  - **Trend Micro ScanMail for Lotus Domino (SMLD) 5.0 currently supports**
  - **Symantec SMS Dom 8.05 is planned to support March 2010**
- **AIX**
  - **Trend Micro ScanMail for Lotus Domino (SMLD) 5.0 is planned to support May 2010**
  - **Symantec SMS Dom 8.05 is planned to support March 2010**

Thank you

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Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. Actual environmental costs and performance characteristics may vary by customer.

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