Lotusphere 2010

Lotus knows.

Smarter software for a Smarter Planet.

ID610 Lotus in a Mobile World

Erich Petersen | Lotus Mobile Development Manager
Lee Griffin | Lotus Mobile Architect

lotusknows.com

Financial Disclaimer

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.

CREATED WITH LOTUS® SYMPHONY™

Agenda

- Lotus Mobile Approach
- Lotus Mobile Product Roundup
- Lotus Mobile Product Roadmaps

(Demos throughout)

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Where are your employees? How do they want to work?

Universal access—Be as productive as possible, regardless of location

Rich client | Browser | Mobile device

Connected | Disconnected

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The Lotus Business Platform

Collaboration in Context

Knowledge Worker

Informational Worker (Boundary)

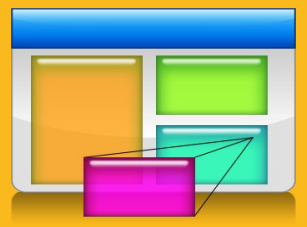
External Partners

Universal Access

Messaging

Communicating

Connecting



Integrating

Lotus

Open Standards Architecture

Business Applications

Information Management

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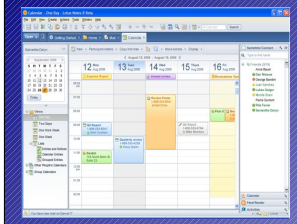
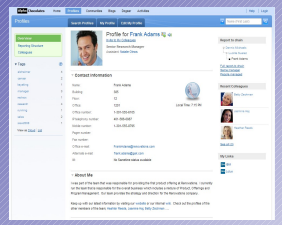
Collaboration in Context

Collaboration "is" the application


Desktop

Appliance


Web

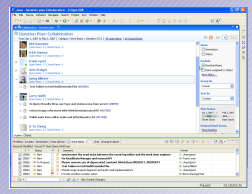
Mobile

Collaboration "Inside" the app

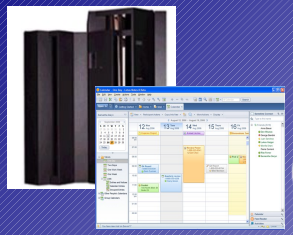
Middleware

Business Intelligence

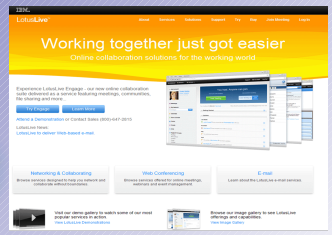
Business Applications


Application Development

Collaboration as a Service


Hosted

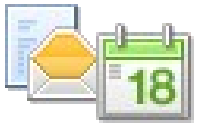
cloud computing



SaaS

Applications & Information

Communication & Collaboration Services



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Collaboration in Context

Beyond Office

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, Windows, Apple, Linux, IBM, Cisco, AVAYA, FileNet P8, EMC² where information lives®

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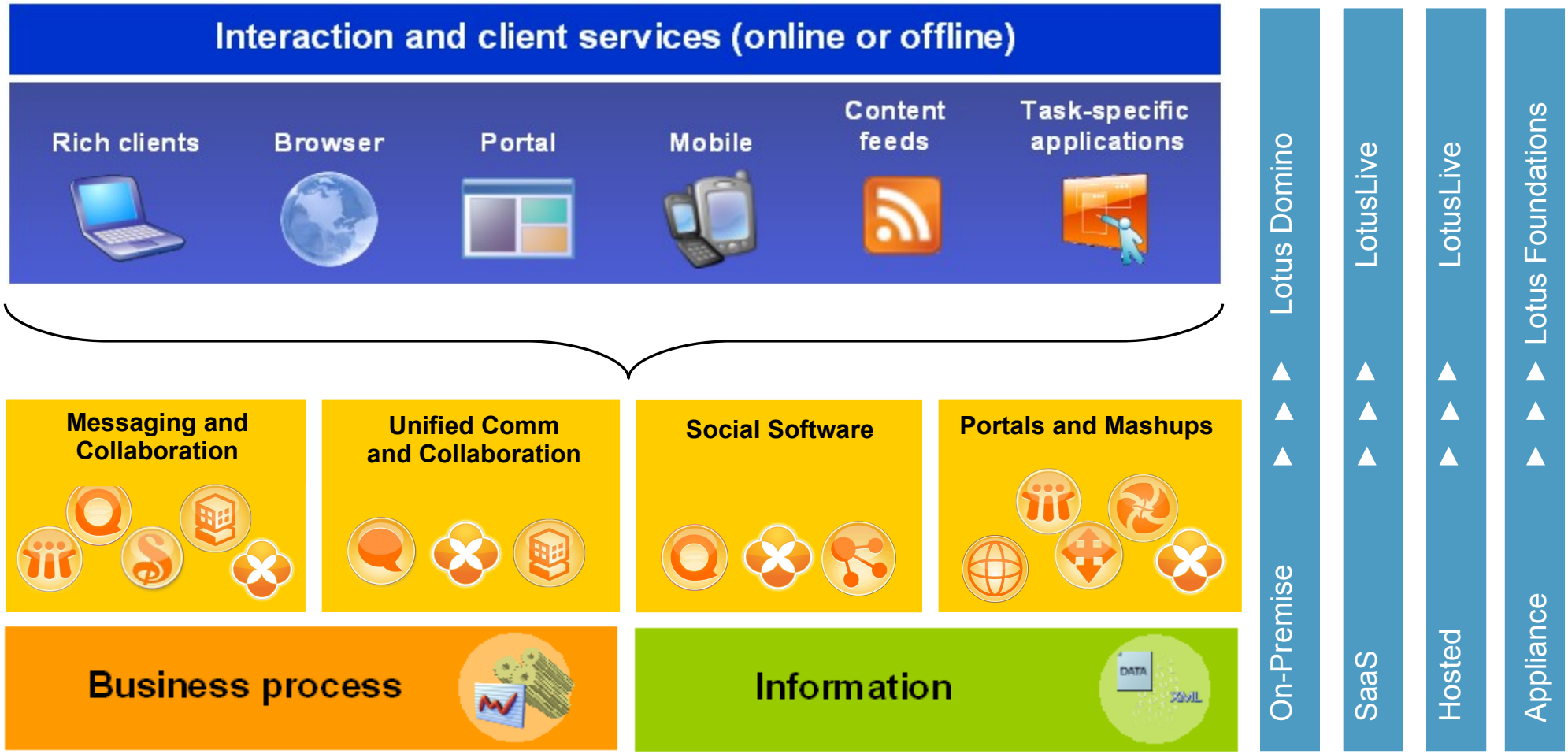
IBM

IBM Collaboration Portfolio

Beyond Office

Choice of Access



Choice of Service

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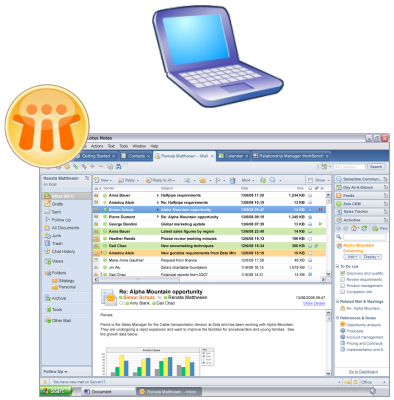
(Demos throughout)

CREATED WITH LOTUS® SYMPHONY™

IBM® Lotus® Domino® has a rich client ecosystem

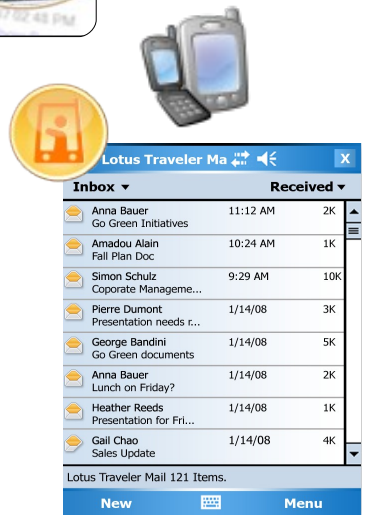
Email, PIM, and more...

- Integrated collaboration on multiple devices, any network
- Offline / Online capabilities
- Clients managed centrally, easier administration
- Supports role-based deployment
- Multi-OS support
- Out of the box features, cost effective and innovative
- Integrates with existing systems and applications



IBM Lotus Notes

IBM Lotus iNotes



IBM Lotus Notes Traveler

IBM Lotus iNotes

CREATED WITH LOTUS® SYMPHONY™

IBM Lotus Notes Traveler

Push email for Nokia Symbian, Windows Mobile, and Apple iPhone devices

- Automatic wireless delivery
  - Email (including attachments)
  - Calendar
  - Address Book
  - Journal
  - To Do Lists
- 2-way synchronization
- Over-the-air client installation
- Email Folder support
- Customizable alerts for new email
- Encrypted mail
- Policy administration and monitoring *
- Remote wipe and device lock
- Corporate directory lookup **

Works over all wired / wireless connections (CDMA, GPRS, GSM, WiFi, etc.)
Integrates with Lotus Mobile Connect for secure data channels

(*) features NOT currently available on the Apple iPhone
(**) feature NOT currently available on Nokia Symbian or Windows Mobile

Lotus Notes Traveler Device Support

- Windows Mobile 5/6/6.1 Professional and Smartphone devices
- Nokia Series 60 3rd edition
- Nokia Series 60 5th edition devices (Touchscreen)
- Apple iPhone and iPod Touch Devices

Lotus Notes Traveler Server

- Lotus Notes Traveler runs as a service on the Domino server
- Operating System
  - Windows® 2003/2008 Server (32-bit)
  - Windows 2003/2008 Server for Intel® 64-bit
- Variety of server topologies possible including:
  - Using VPN
  - Reverse proxy
  - Domino server with Lotus Notes Traveler component in the DMZ

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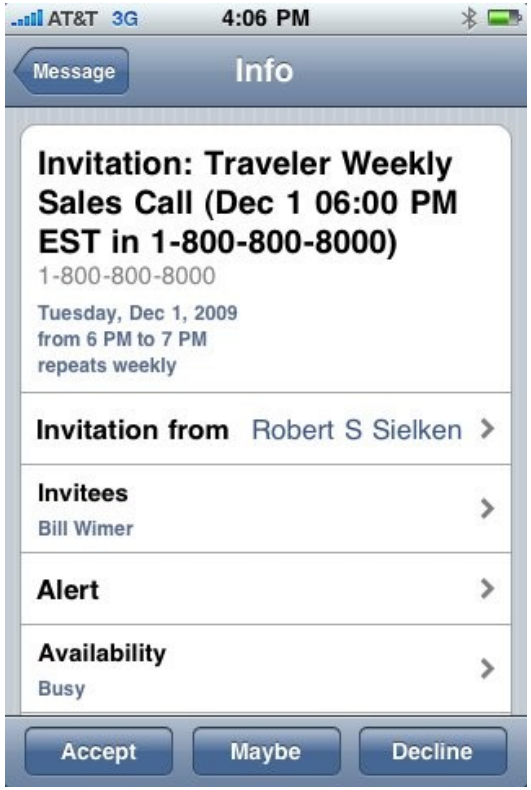
Lotus Notes Traveler

- iPhone invitation support

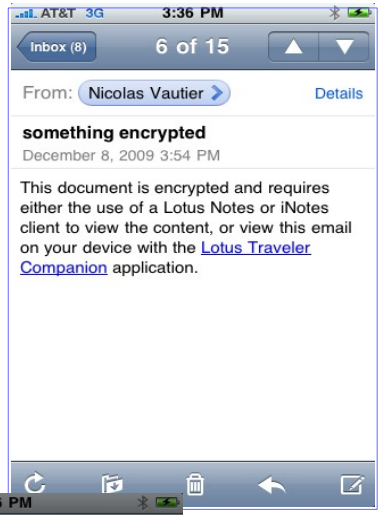
- Lotus Notes Traveler Server update
  - Included in 8.5.1 Fixpack 1
- Adds Attendee invitation handling on iPhone
  - Accept, Decline, Tentatively Accept

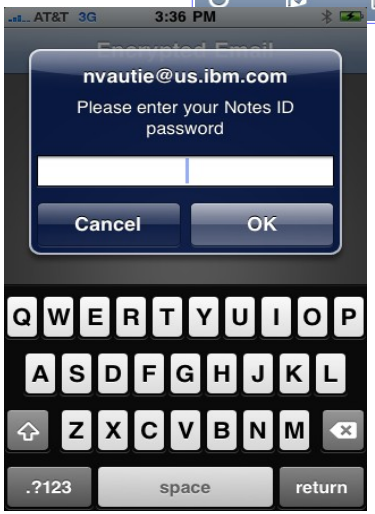


CREATED WITH LOTUS® SYMPHONY™

Lotus Notes Traveler Companion

- iPhone application
- Allows user to read Domino-encrypted mail
  - Built on same design as Nokia and Windows Mobile
    - Requires Notes ID to be accessible from Lotus Notes Traveler server (in ID vault or mail file)
  - Uses link inside mail to jump to Companion
  - User supplies Notes ID password
  - Lotus Notes Traveler server does decryption
  - Does not store encrypted mail on the iPhone
- Available for free from iTunes App Store
  - "As is", unsupported
  - Licensed to end user, not part of enterprise license
  - Requires Lotus Notes Traveler server update
    - Included in 8.5.1 Fixpack 1





IBM Lotus iNotes® ultra-light mode

- Real-time access to Lotus Domino mail, calendar and contacts from iPhone/iTouch
- Visually appealing user interface
  - Consistent with Lotus Notes
  - Follows Apple iPhone UI design guidelines
- Quick and crisp Day-At-A-Glance calendar view
- Built on Lotus iNotes server infrastructure
  - HTML page generation
  - Operation workflow
- HTML-only fallback for Firefox
- Meets accessibility guidelines (on desktop via Firefox)

Lotus Sametime® for mobile devices

Instant messaging and collaboration for popular Mobile devices

Capabilities

- Wireless instant messaging
- Contact List and Business Cards
- Quick Find
- Single/Multiple Chat
- Chat History
- Status Alerts
- Announcements
- UC2
  - Extendable plug-in architecture
  - Windows Mobile v6 (Professional and Standard)

Lotus Sametime® for mobile devices

Instant messaging and collaboration for popular Mobile devices

Device Support

- iPhone, iPhone 3G(S), iPod Touch web client application
- Blackberry – 7100, 8100, 8700, 8800 Series, 8300 series, Storm, Bold
- Nokia E-Series – E50, E51, E60, E61(i), E62, E65, E70, E75, E90
- Sony Ericsson – M600, P990i, P1i
- Windows Mobile – 2003 SE, WM5 Smartphone, WM 6 Standard/Professional

Lotus Sametime UC^2 Client

- Based on latest IBM Lotus Expeditor for Devices 6.2.1
- Support for Windows Mobile
- Open eRCP/OSGI platform for allowing third party plugins, similar to desktop Sametime

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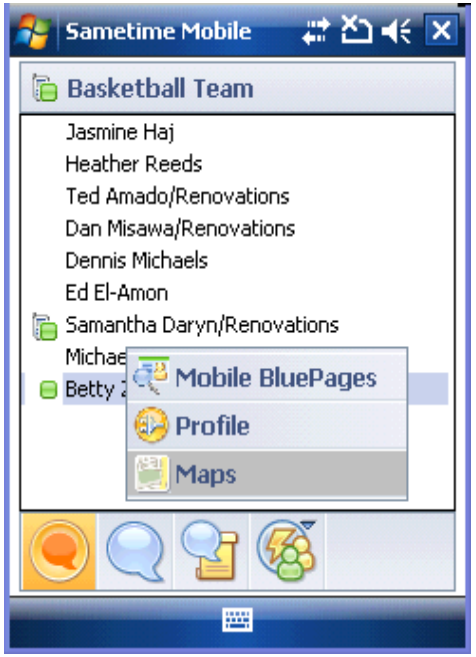
Lotus Sametime UC^2 Mobile Plugins

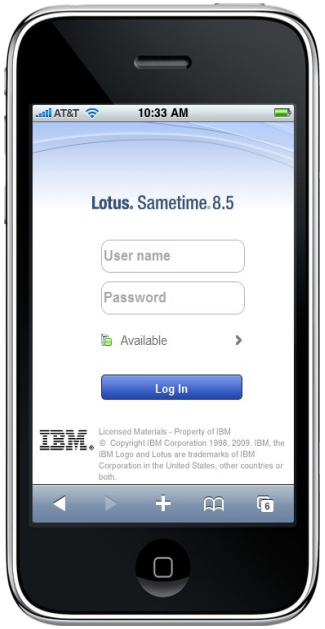
- With plugins third parties can add
  - Menu options
  - Views
  - Actions
- Some sample Lotus Sametime UC^2 plugins
  - Show profiles of contacts in proprietary company directories or public sites like Facebook
  - Process of chat text, like language translations and text to speech
  - Show physical location of contact on a map
- Plugins can use native device APIs via JNI

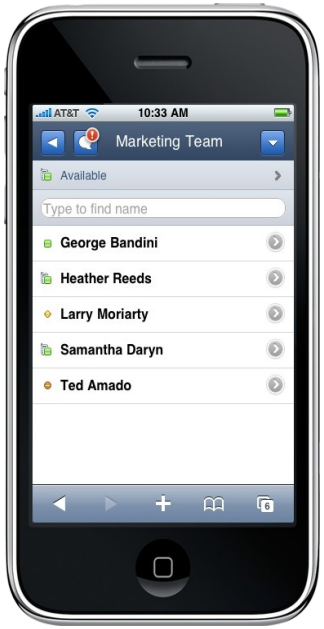


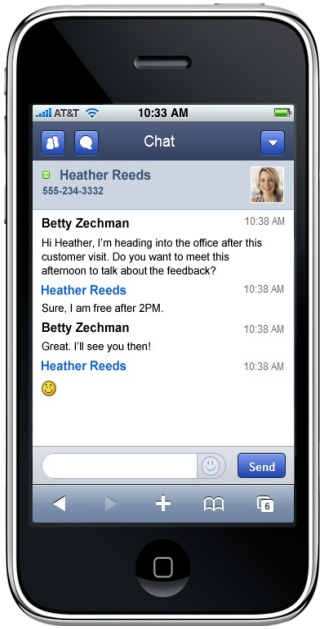
Lotus Sametime Web Client for iPhone

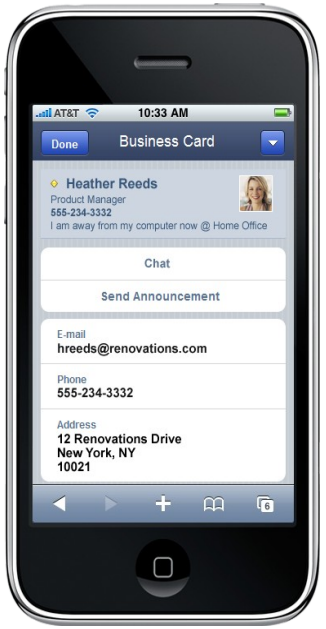
Optimized for iPhone, iPhone 3G, iPhone 3Gs, and iPod Touch

- Uses the device browser
- Features include contact list with presence, single and multi-chat, business cards, click to call/email, announcements, contact and group management, mapping
- No background chat notifications









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Mobile Portal Accelerator

Extend/build vertical business applications for mobile environments

WebSphere Portal

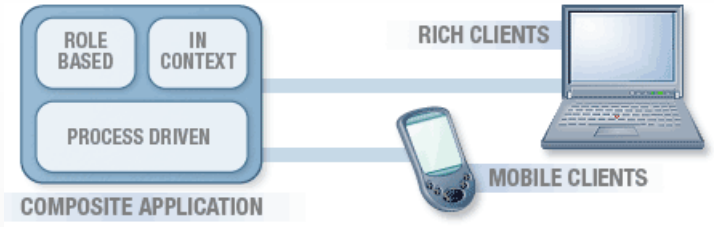
- Multichannel access to portal content
- Aggregation of a broad mix of applications into a unified display
- Write once, render on multiple devices
  - Supports 6800+ devices
- Navigation, personalized experience, and multi-device rendering
- User registration/ profile management from desktop
- Security, access control, and single sign-on
- Templates for rapid site development and enforcement of style guidelines
- Ability to translate existing markup to new and future XHTML devices

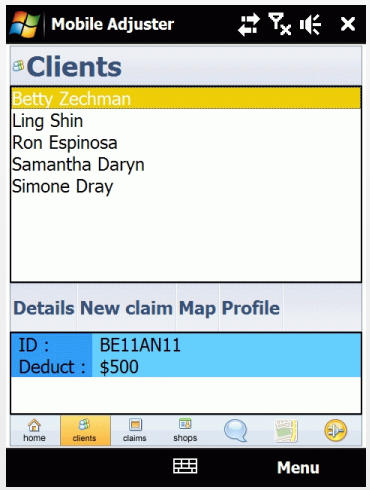
WEB212: IBM Mobile Portal Accelerator: Delivering Exceptional Web Experiences to Mobile Devices (Tuesday, Swan Pelican)

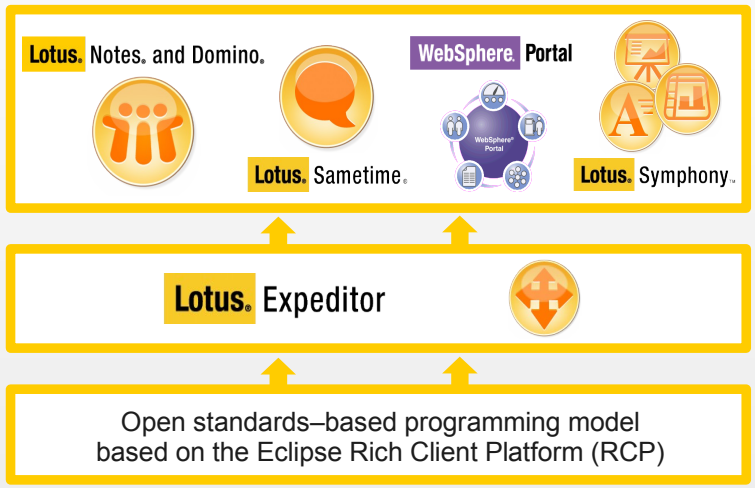
IBM Lotus Expeditor

Building offline business applications

- Universal Managed client Software
- Client on Windows, Linux®, Mac, Symbian, Windows Mobile
- Offline access, data & application synchronization
- Toolkit for creating, deploying, and maintaining both mobile and rich client applications
- Leverage open standards (Eclipse)

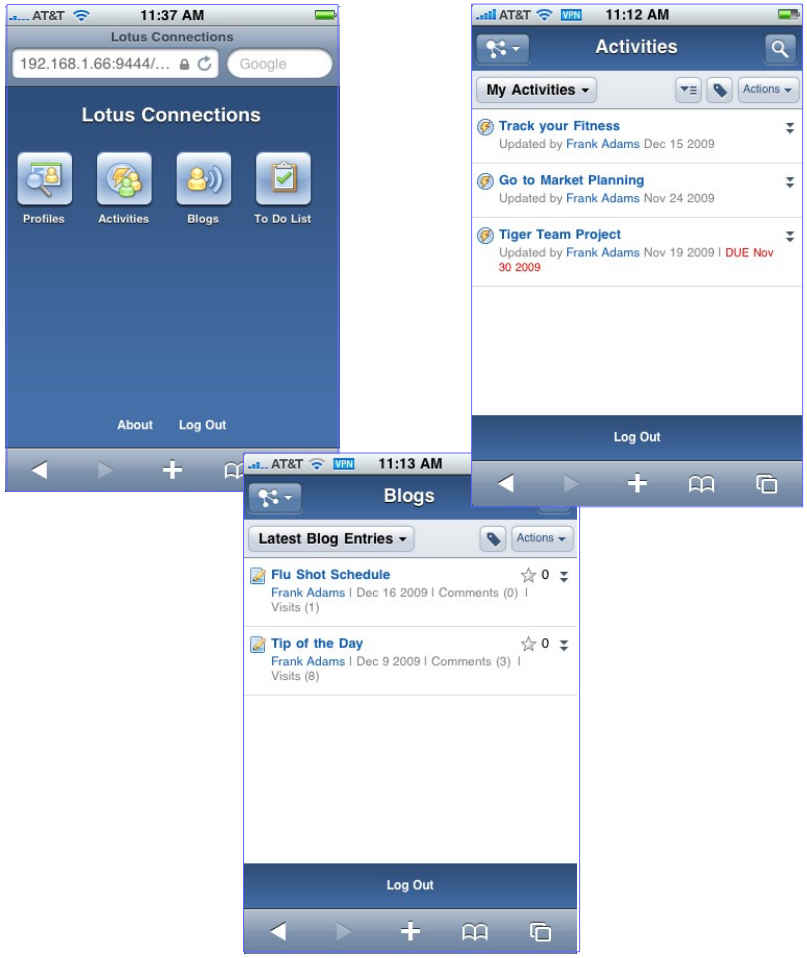






Lotus Connections for mobile devices

Profiles, Blogs, and Activities for iPhone, Blackberry* and Nokia mobile devices

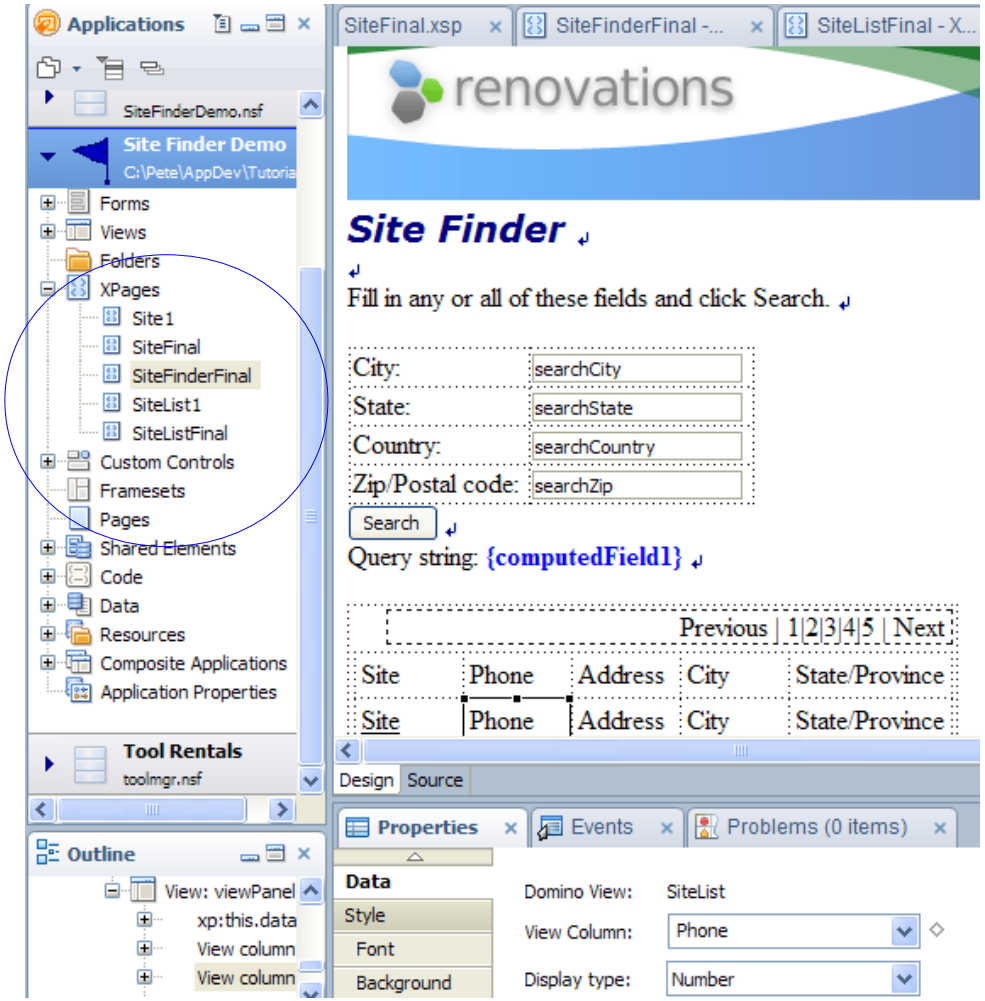


* Blackberry Connections client available from RIM.

- **Web application - Available w/ Connections 2.5**
  - iPhone, iPhone 3G(S), iPod Touch, and Nokia S60 3rd & 5th edition devices
- **Profiles**
  - Search and View colleagues, with status and contact info
  - View report to chain and people managed
  - View an individual's profile info, and invoke dialer or mailer
  - Update your profile status
- **Blogs**
  - View blogs, recent activity on your posts, and recently posted blogs
  - Start a blog or add entries/comments to existing blogs
  - View notifications or featured/recommended entries
  - Search for blog entries by tag or by entering search criteria
- **Activities**
  - View to-dos and Activities by category, date, owner, or section
  - View Activity members and details
  - Add/edit/delete Activities and entries

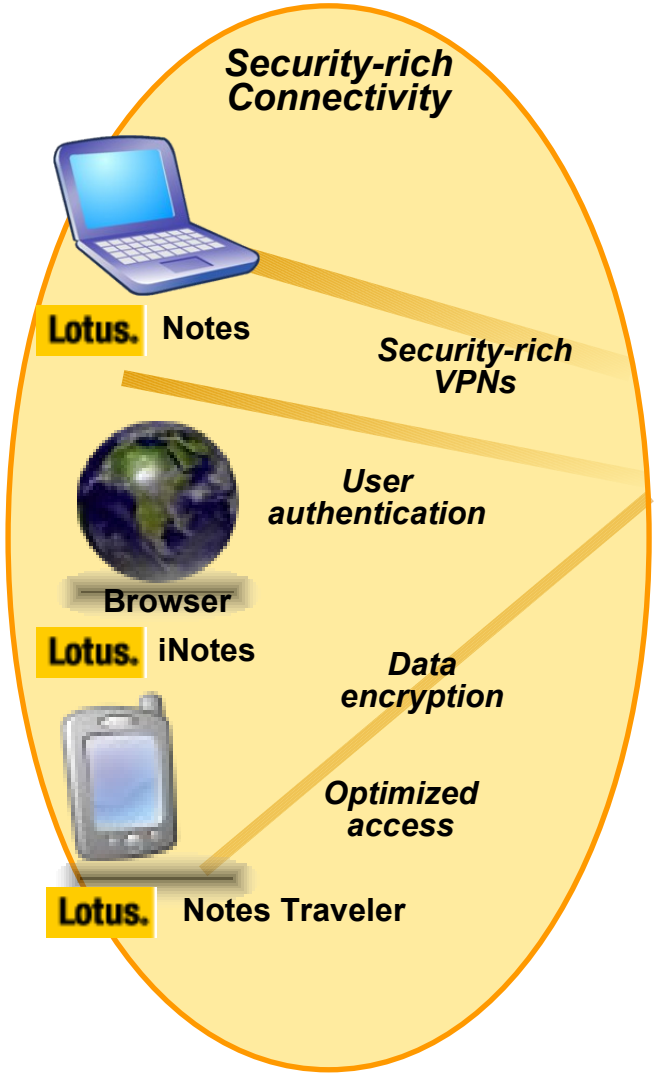
From Cool Tools... Cool Pages... XPages

- Visual Web page construction
  - Advanced U/I controls
  - Drag and drop development
- Instant Application Development
  - XML markup with source
  - Full control of HTML
  - Presentation using CSS
  - Business logic using JavaScript
- Leverages existing NSF assets
  - Web agents, formulas, security,...



Lotus Mobile Connect

Security-rich 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**
- **Security-rich 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)**
  - Lotus Notes Traveler, Lotus Sametime mobile
- **Supports multiple device platforms and devices**
  - Win32, Linux, Mac, Symbian, Windows Mobile, Apple iPhone (client-less)
- **Scalable and Reliable**
  - Supports gateway clustering, and can distribute across multiple sites

Extending Mobile Business Collaboration

The IBM Lotus Ecosystem

Extended Partnerships with Software Vendors, Mobile Manufacturers and Operators

** Provided by IBM Business Partners, may require additional purchase.*

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- Lotus Mobile Approach
- Lotus Mobile Product Roundup
- Lotus Mobile Product Roadmaps

(Demos throughout)

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Lotus Notes Traveler Top Requirements

- Linux server
- iPhone meeting invitations
- iPhone device management: password, password length, etc
- Corporate directory search for Nokia and Windows Mobile
- Single HTTP/S Data Channel (no ports needed beyond 80/443)
- Automatic client software update
- Scheduled sync
- Windows Mobile 6.5
- Android client

CREATED WITH LOTUS® SYMPHONY™

Lotus iNotes Top Requirements

- Symbian Series 60 device support
- Android device support
- View sorting
- Quick find
- Folder navigation
- Attachment upload
- Alternate name support
- Reply with rich text

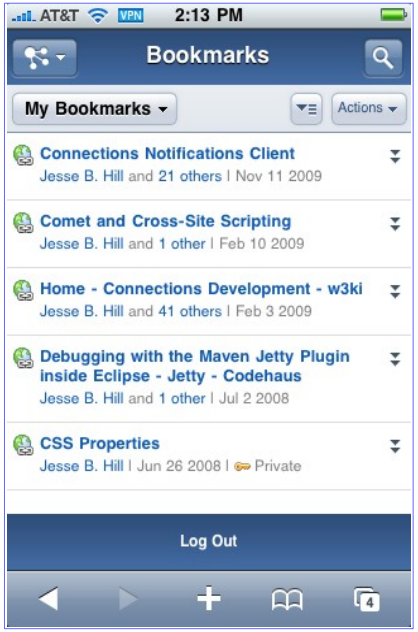
Sametime Mobile Top Requirements

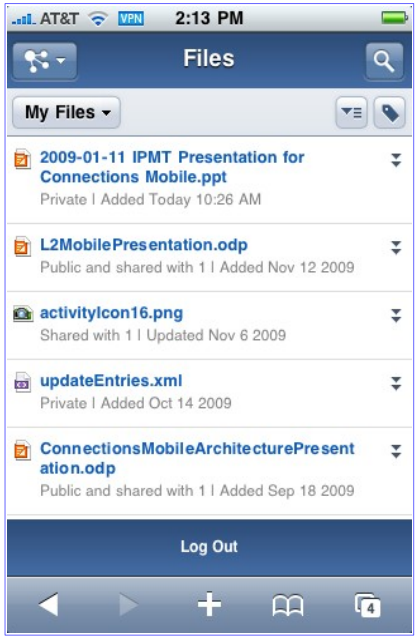
- Bandwidth management
- Images
- Persistent chat
- More mobile device browsers supported
- Native Nokia client
- Native iPhone client
- Native Android client

CREATED WITH LOTUS® SYMPHONY™

Connections Mobile Top Requirements

- Android browser support
- Files
- Bookmarks
- Communities
- Profiles enhancements
- Homepage enhancements
- Wikis





Agenda

- Lotus Mobile Approach
- Lotus Mobile Product Roundup
- Lotus Mobile Product Roadmaps
- Demo of Future Capabilities

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More Info or Other Requirements?

Come see us in the Meet The Developers Lab
Tuesday, Wednesday, and Thursday

CREATED WITH LOTUS® SYMPHONY™

Reference Material

CREATED WITH LOTUS® SYMPHONY™

[Chart updated for Lotusphere anncts.]

Lotus Knows BlackBerry

BlackBerry

Enterprise grade email / PIM
BlackBerry Enterprise Server & Lotus Domino

Finding Expertise / Delivering Results
Social Networking for Business
+ BlackBerry Client for Lotus Connections

+ BlackBerry Client for Lotus Quickr

Real time collaboration
BlackBerry Client for Lotus Sametime

Productivity: Documents, Presentations, Spreadsheets
Lotus Symphony

Extending Applications out to the BlackBerry Platform
Domino Designer with BlackBerry Mobile Data Services

Deliver Personalized Content to Mobile Users
Mobile Portal Accelerator

Participate in a meeting in real time on your BlackBerry
LotusLive (Prototype)

Nokia Connecting People

Push eMail, Web Mail and secure VPN
Lotus Domino (Lotus Notes Traveler)

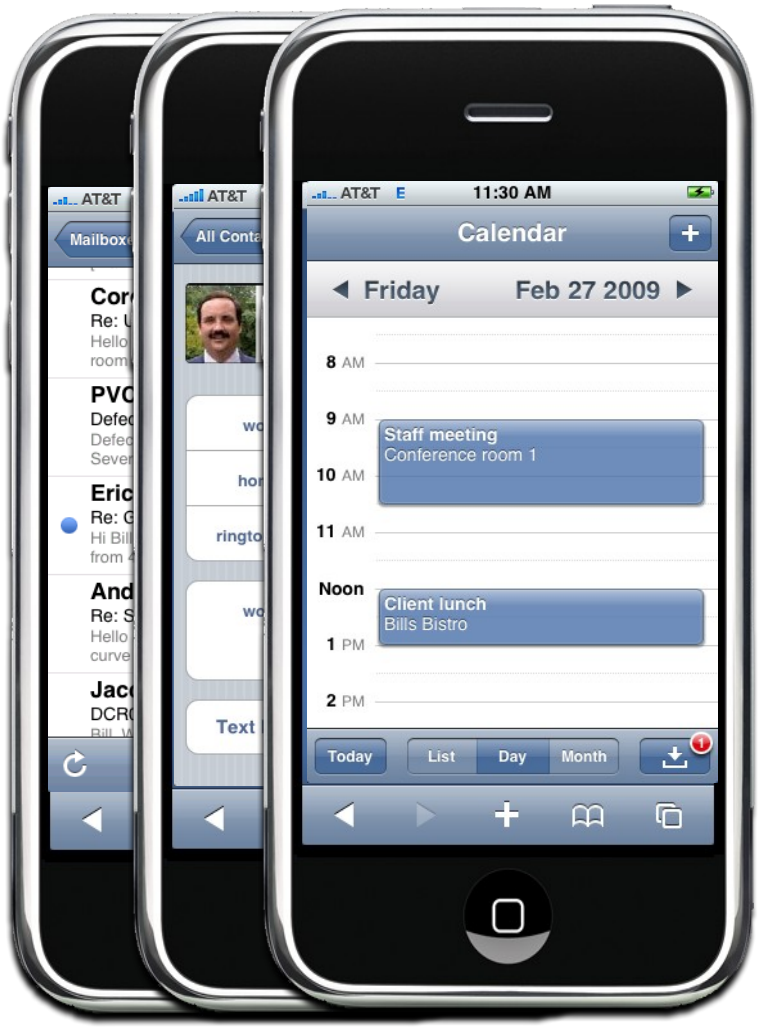
Finding Expertise / Delivering Results
Social Networking for Business
Lotus Connections

Real time collaboration
Lotus Sametime

Deliver Personalized Content to Mobile Users
Mobile Portal Accelerator

Mobilize Domino applications
Domino Designer with Xpages (Prototype)

The iPhone Goes to Work



Push eMail, Web Mail and secure VPN
Lotus Domino (Lotus Notes Traveler)

Finding Expertise / Delivering Results
Social Networking for Business
Lotus Connections

Mobilize Domino applications
Domino Designer with Xpages (Prototype)

Deliver Personalized Content to Mobile Users
Mobile Portal Accelerator

IBM Lotus mobile solutions by device

	Description	RIM BlackBerry	Windows Mobile	Nokia Symbian	Apple iPhone
Lotus Notes Traveler	Wireless replication of mail, calendar, contacts, tasks, journal		x	x	x
Lotus Expeditor	Managed client; offline access, data & application synchronization		x	x	
Lotus iNotes ultra-light	Web access to mail, calendar, contacts				x
Lotus Sametime	Instant messaging, presence awareness, location awareness, business card view, click-to-call	x	x	x	
Lotus Connections	Profiles, Activities, Blogs	x (from RIM)		x	x
Lotus Mobile Connect	Mobile VPN (client and client-less)		x	x	x (client-less VPN)
Mobile Portal Accelerator (supports > 5500 devices)	Multichannel access of portal content; Write once, render on multiple devices	x	x	x	x

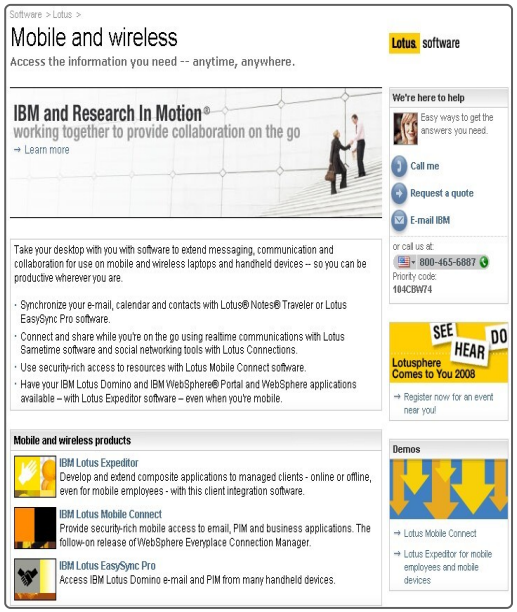
Push email options for Lotus Domino

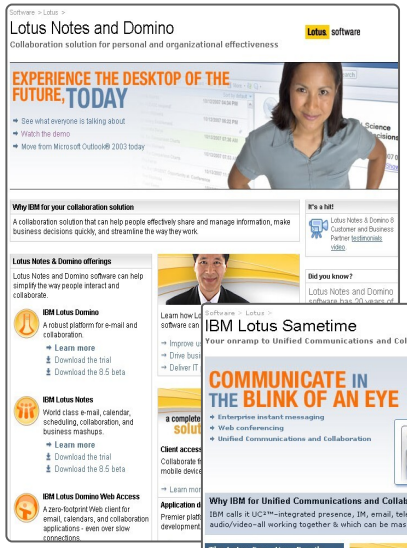
Note: This changes quickly and is not comprehensive.

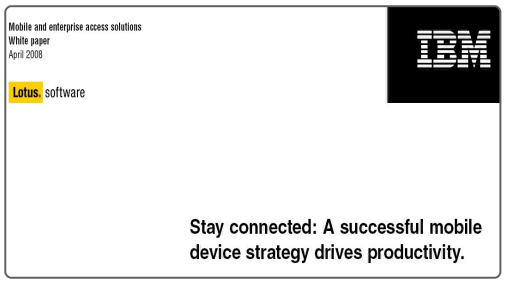
	IBM Lotus Notes Traveler	RIM BlackBerry Enterprise Server	CommonTime mSuite	Good Mobile Messaging	Sybase OneBridge
Push email	X	X	X	X	X
PIM sync: calendar, contacts, journal, tasks	X	X	X	X	X
Device platforms	Nokia Symbian, Windows Mobile, Apple iPhone	BlackBerry, BlackBerry Connect (Nokia Symbian, Windows Mobile)	Nokia Symbian, Windows Mobile, Apple iPhone	Nokia Symbian, Windows Mobile, Applie iPhone	Nokia Symbian, Applie iPhone, Windows Mobile, OMA Data Sync clients
Over the air encryption/security (AES, FIPS 140, etc.)	X (LMC or Partner)	X	X	X	X
Remote wipe / lock, policy monitoring and enforcement (* - except iPhone)	X *	X	X	X	X
Over the air provisioning (no desktop)	X	X	X	X	X
On premise or Network Operation Center	On premise	NOC	On premise & NOC	NOC	On premise
Global directory search	*Planned for future release*	X	X	X	X
Support for offline Domino apps		MDS + Domino web services	X		X
Support for Domino applications (browser)	Xpages/Designer	Pending	Xpages/Designer	Xpages/Designer	Xpages/Designer
Hosting available from IBM GTS	X	X	X	X	X

CREATED WITH LOTUS® SYMPHONY™

More Information







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