

Get Smart with Hot Technologies, Cool Solutions

Building Exceptional
Work Experiences
with IBM Social Business
:Technical Track

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IBM



Smarter Planet

Instrumented Interconnected Intelligent

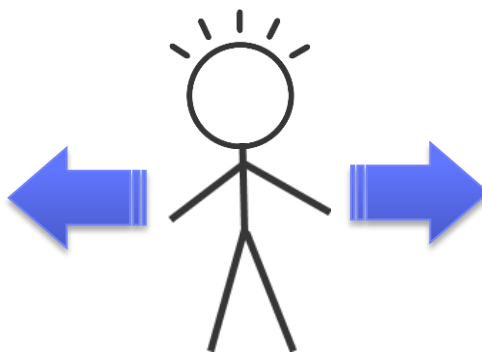
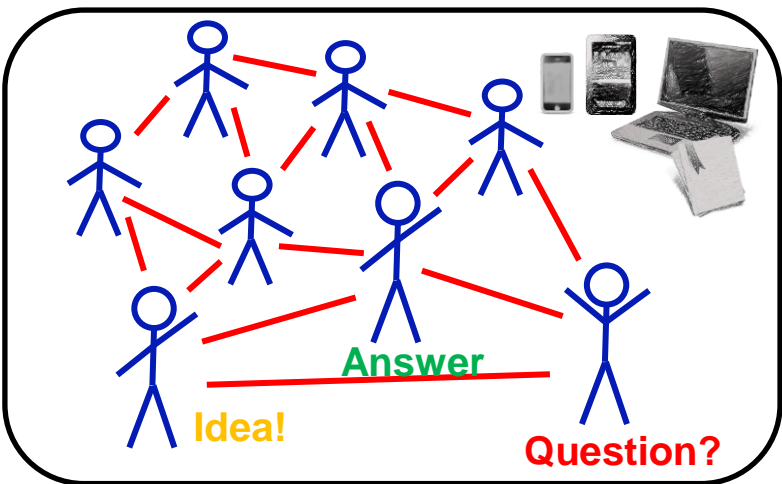
Social Business

ENGAGED

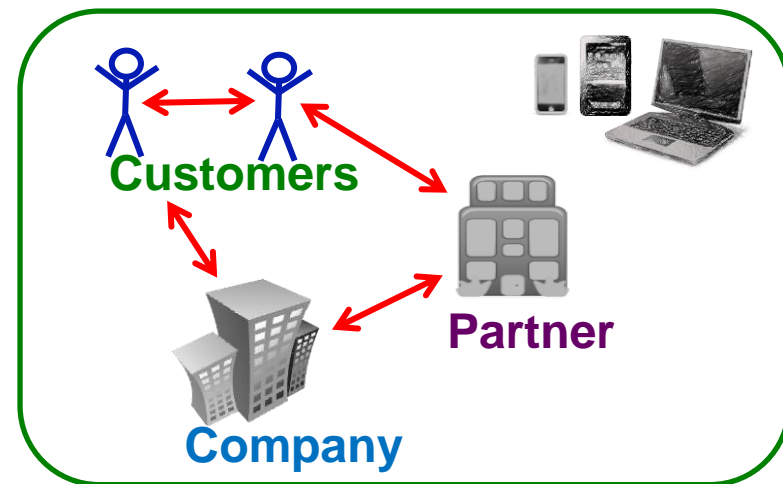
TRANSPARENT

NIMBLE

WORK EXPERIENCE



WEB EXPERIENCE





IBM Social Software Leading with IBM® Connections

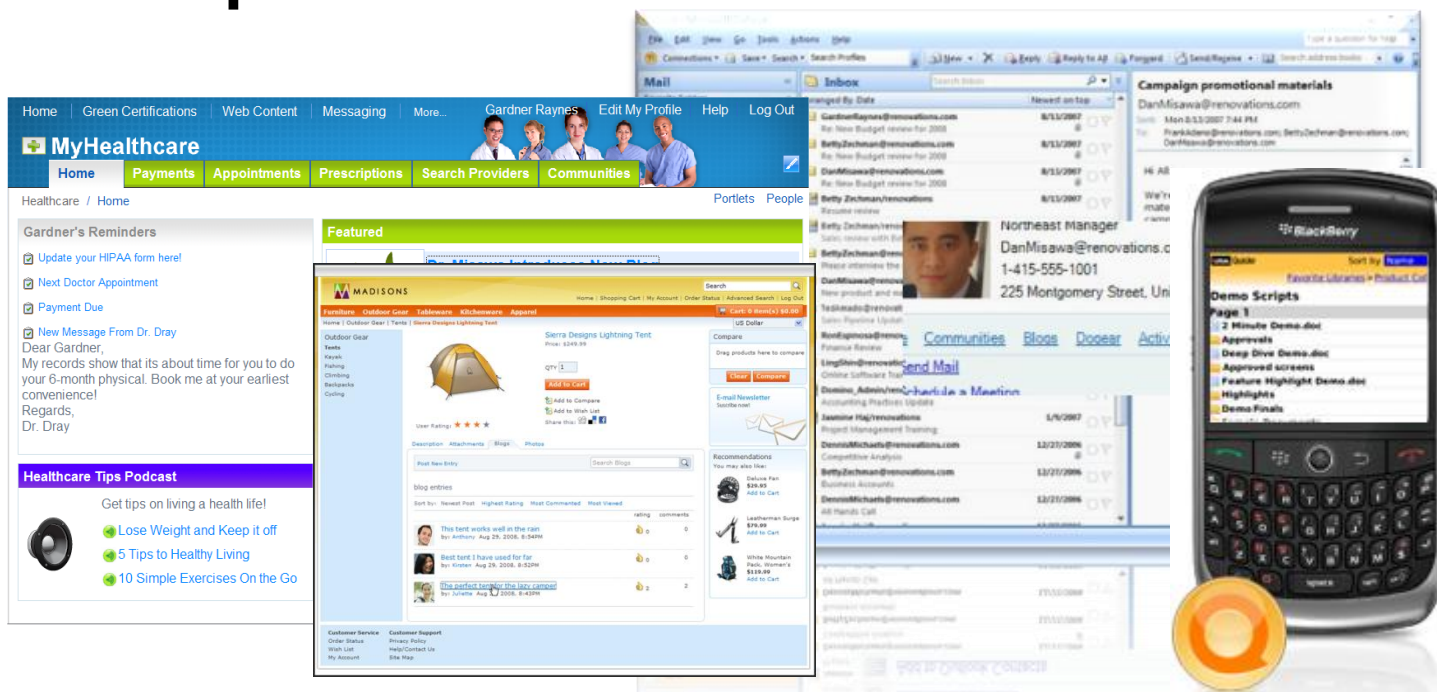
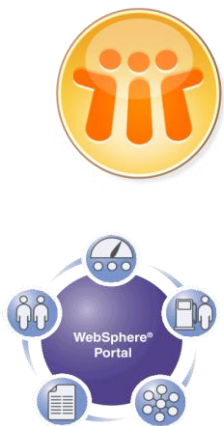
- IBM Connections provides a series of social capabilities (Profiles, Communities, Activities, Blogs, Wikis, Files, Forums, Microblogs, Analytics, Notifications, Ideation, etc.)
- They can be used on their own, or all together, or as a way to make other things more social (like your business application, your e-mail, your portal, etc.)





Offering the most integration points
to make your business critical applications social

Delivering the most complete set of social software services enabling rich integration with IBM products and other solutions



- Stay in the tools you know with integration of social capabilities in familiar desktop productivity tools
- Embed expertise when and where you need it in key business processes
- Take your professional networks and communities on the road with broad mobile support



Notes & Domino – Integrating Connections Services

- **Notes & Domino provide numerous ways to integrate today**
 - In the Notes client sidebar using Eclipse plugins
 - In the context of your Notes/Domino application
 - At the UI level or via Connections APIs
- **Eclipse™ plugins within Notes**
 - Approach used to deliver out-of-the-box integration with Profiles, Files, Activities....
 - Skills required: Eclipse/Java™ development, REST
 - Pros: provides rich user experience thru sidebar integration and Live Text
 - Cons: not reusable in Web and mobile
- **XPages within Notes, Domino and Mobile**
 - Approach used to embed Connections services within the context of your custom app
 - Skills required: XPages (HTML, CSS & JavaScript), REST
 - Pros: provides a reusable Web asset that can run in desktop browser, mobile web or Notes
 - Today – Can also run in WebSphere Portal and Connections as an iWidget
 - Tomorrow – Add ability to run as an OpenSocial gadget
 - Cons: Well there really aren't any other than you need to be running Notes/Domino/XWork Server 8.5.3 or higher



IBM Connections API

- **Simple and Easy to Learn**
 - REST-style HTTP based API with XML, JavaScript and HTML formatted output
 - Standard Web 2.0 web development methodology
 - Atom style is “follow the links”
- **Open**
 - Access for all users to all functionality, regardless of client or platform
 - Based on Open standards: XML, HTTP, JavaScript, Atom feeds and publishing
- **Comprehensive**
 - Leverages open standards extensibility (XML, HTTP, atom feeds, etc...)
 - Used internally and partners to build plug-ins and mashups
 - All Lotus Connections services provide an Atom API
 - which is fully documented
 - and all Lotus plug-ins use this API
 - Additionally, Lotus Connections provides a CMIS API for the Files component





IBM Connections Architecture

- Browser
- Mashups
- Feed Reader
- Sametime
- Lotus Notes
- Portlets
- Microsoft Office
- Your Application

Connections Atom API

HTTP Server & Proxy Cache

J2EE Container

REST API

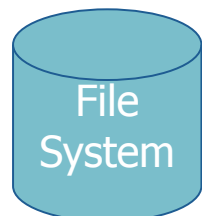
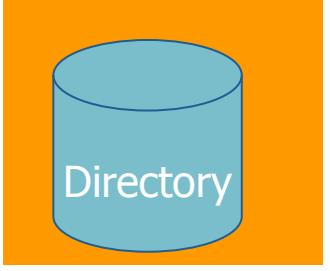
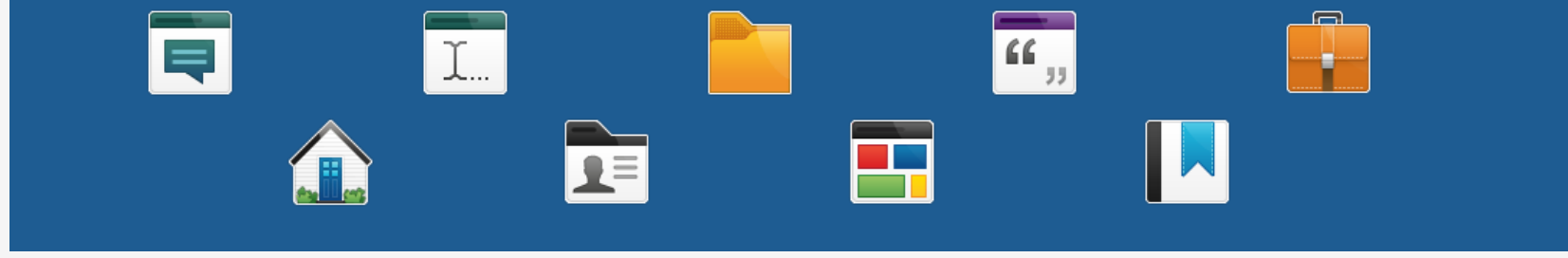
Common Services

- PUT
- DELETE
- POST
- GET

- JMX / WAdmin Administration
- Search
- Person Card
- User Directory
- Navigational Header

- Atom Entry
- HTML Form
- JavaScript
- HTML
- Atom Feed
- JSON

IBM Connections Apps



Other Enterprise Services

- Wiki
- Quicr
- Email
- ECM
- Sametime
- ...





Connections APIs

Profiles

Find the people and their information that you need

Profiles Administration

Used to make updates to user data

Communities

Retrieve community information, subscribe to updates, create or modify communities

Files

Add files to a collection and read or modify existing files

Files CMIS

Exposes Files application data using CMIS

Common

Discover information about Connections as a whole, not just specific applications

Search

Search across all installed Connections applications

Activities

Create new activities as well as read and modify existing activities

Blogs

Retrieve Blog information, subscribe to updates, create and update posts, add comments

Forums

Create new forums, read and modify existing forums

Bookmarks

Read and write to the collection of bookmarks

Wikis

Create new wikis, read and modify existing wikis

News repository

Retrieve feed of latest updates made to all installed Connections applications



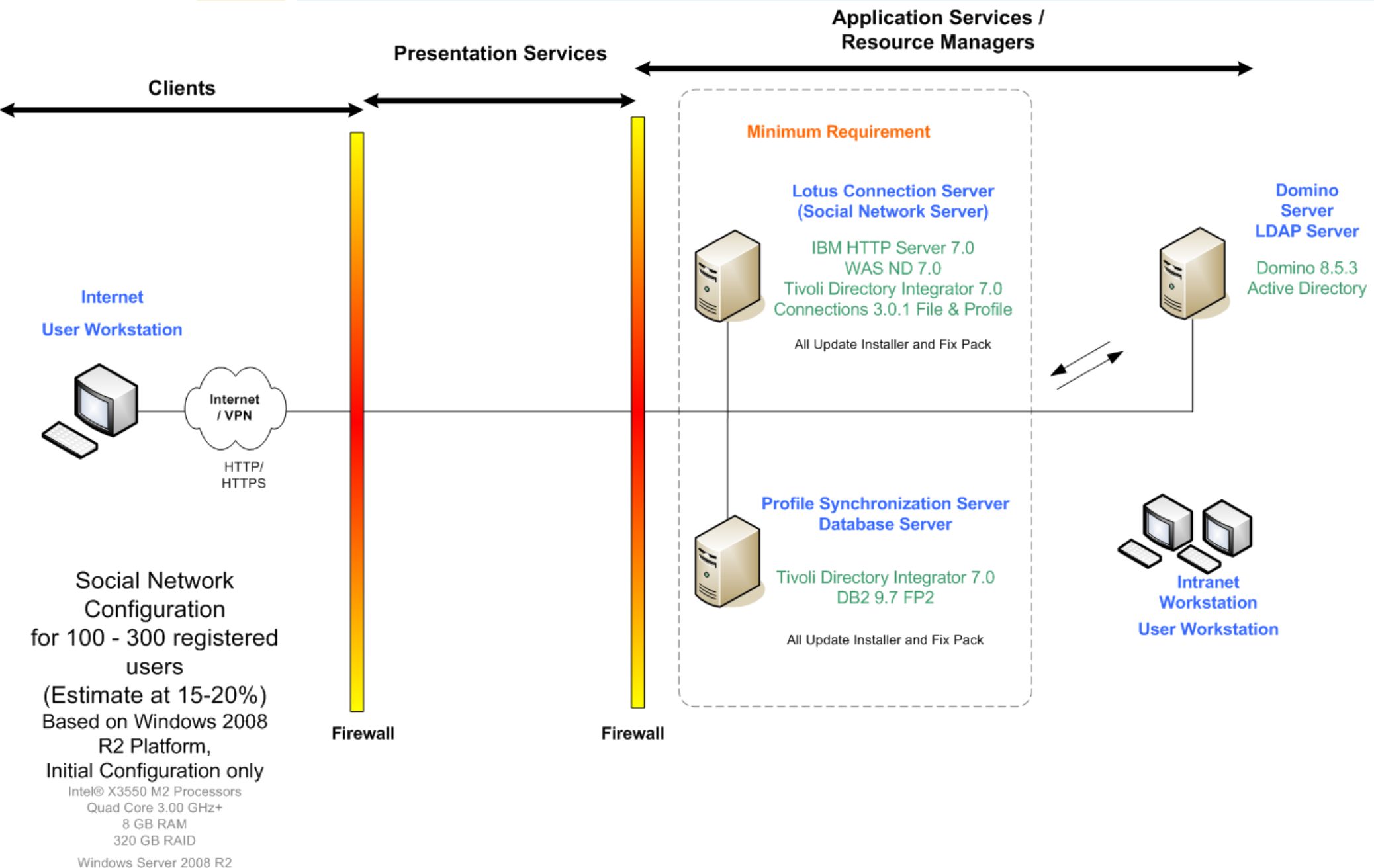


Quick Wins with Notes/Domino 8.5.3 Connections Entitlement to Profiles & Files

- **Take advantage of Connections Profiles and Files services within the context of your Notes and Domino solutions**
- **Great way to introduce your customers to the value of doing social business with Connections**
 - Establish a beach head with Connections social services
 - With infrastructure in place, allows for upsell of additional Connections applications
- **For customers using Notes client**
 - Use out of the box plugins
 - Get plugins for File and Status updates from Greenhouse*
- **For customers using browsers**
 - Integrate Connections application services using APIs
 - Integrate Profiles and Communities business cards into your application



*See [Getting Started with IBM Connections Files and Status Updates Plugins](#)



Social Network Configuration for 100 - 300 registered users (Estimate at 15-20%)
 Based on Windows 2008 R2 Platform, Initial Configuration only
 Intel® X3550 M2 Processors
 Quad Core 3.00 GHz+
 8 GB RAM
 320 GB RAID
 Windows Server 2008 R2





Profile Search

The screenshot displays the IBM Lotus Notes interface. At the top, the title bar shows several open windows: 'Open', 'Home', 'David M Via - Mail', 'David M Via - Calendar', 'David M Via - Contacts', 'Replication and Sync', 'Workspace', and 'David Via-Profiles'. The main window title is 'David Via-Profiles'. The search bar at the top contains 'David Via' and a 'Search' button. Below the search bar, the results are displayed under the heading '2 results found using Profiles for David Via'. The first result is 'VIA, DAVID M.' with profile information and a URL. The second result is 'Viau, David *CONTRACTOR*' with profile information and a URL. On the right side, a search menu is open, showing options like 'All Mail', 'All Calendar', 'All Contacts', 'Profiles', 'Bookmarks', 'Blogs', 'Communities', 'Activities', 'Yahoo! Search', 'Google Web Search', 'Spotlight', 'Recent Searches', 'More Searches', and 'Preferences...'. A blue oval highlights the search bar and the search menu. A blue arrow points from the text 'Search Profiles to find the people you need for the task at hand' to the search menu.

Search Profiles to find the people you need for the task at hand



Profiles Status Updates (a.k.a. "micro blogging")

Update yours and View others in your network

Search in View 'Inbox'

| Who | Subject | Date | Size |
|---------------------------------------|---|---------------------|------|
| Yardi, Chetan | [Profiles] You are invited to join my network | 09/25/2011 08:44 AM | 7K |
| Ed Brill | Re: | 09/25/2011 07:09 AM | 20K |
| Mail Router | DELIVERY FAILURE: 550 Host unknown | 09/25/2011 02:16 AM | 8K |
| agsalesoperationsq | What's New in Lotus Quickr agsalesoperationsquickrplace | 09/25/2011 02:16 AM | 6K |
| Mail Router | DELIVERY FAILURE: 550 No such user (secalerts@internationalsos.com) | 09/24/2011 05:07 PM | 10K |
| International SOS Security Advisories | Spain: Travel disruption possible during partial strikes by railway workers on 26, 29 September | 09/24/2011 05:07 PM | 20K |
| Lotus Notes and Domino Group Members | [1] new discussion, [1] new comment and [3] new jobs on LinkedIn | 09/24/2011 02:50 PM | 25K |
| Richard E Schonbrun | Re: Cisco VPN access | 09/24/2011 07:04 AM | 41K |
| Peter A. Janzen | [Activities] BP Briefing (Invitation Only) | 09/24/2011 05:32 AM | 10K |
| A Note from Sandy Carter | New YouTube video series: IBM Social Business Coffee Breaks | 09/24/2011 04:07 AM | 140K |
| Taryn Irulegui | Meetrix in the Cloud for Sametime sales tools | 09/24/2011 02:45 AM | 9K |
| Robert Florio | Ashland - Discuss pending renewal | 09/24/2011 02:32 AM | 5K |
| Andrew Birnbaum | Re: Progress on "Xpages developer on loan" for CEE/RCIS? | 09/24/2011 02:25 AM | 42K |
| Joseph Anderson | Re: Fw: Lync: A Must Read! | 09/24/2011 01:08 AM | 28K |

Ed - One more question on the 8.5.3 entitlement....Will clients be able to use the advanced business card function?

Prepping content for NA Virtual Top Gun class on October 4th
Today 7:55:14 PM

VIA, DAVID M. Prepping content for NA Virtual Top Gun class on October 4th Sep 25, 2011 12:02:06 PM

Handes, Michael J. Working on UMP for Testra's Web Framework





Easy access to Connections Files

Simply double click to edit...

The screenshot displays the IBM Lotus Notes interface. At the top, there are tabs for 'David M Via - Mail', 'David M Via - Calendar', 'David M Via - Contacts', 'Replication and Sync', and 'Workspace'. Below the tabs is a search bar and a list of email messages. A 'Progress Information' dialog box is open in the center, showing a progress bar and the text: 'Editing document: Social Business Value Messages.odp' and 'Downloading document: Social Business Value Messages.odp (85KB(s), 1%)'. A 'Cancel' button is visible at the bottom of the dialog. On the right side, there is a preview of an email from Kevin Larsen with the subject 'Request for Review: ND 8.5.3 Sales FAQ'. The email body contains a team reminder and a URL: http://w3.ibm.com/connections/files/asp?lang=en_US#/file/4de5d3a1-ed9f-4154-9ac1-1498d74fc25f. A blue circle highlights the 'Social Business Value Messages.odp' file in the right-hand pane.

| Who | Subject | Date | Size |
|--------------|---|---------------------|------|
| Kevin Larsen | | 09/24/2011 12:16 AM | 17K |
| Kevin Larsen | | | |
| Kevin Larsen | | | |
| Kevin Larsen | | | |
| Kevin Larsen | | | |
| Kevin Larsen | Request for Review: ND 8.5.3 Sales FAQ | 09/22/2011 09:25 PM | 7K |
| Kevin Larsen | Re: BrainYard webcast Oct 12: The Future of Mail is Social (planning) | 09/22/2011 09:00 PM | 92K |
| Kevin Larsen | Re: Any chance to brief NA sales leads on 8.5.3 ? | 09/21/2011 03:42 AM | 17K |
| Kevin Larsen | Hi - Did we set a new date yet for the sales talk? <eom> | 09/15/2011 12:25 AM | 7K |
| Kevin Larsen | Fw: FINAL COMMENTS: Notes+Connections screencam demo script | 09/14/2011 07:13 PM | 15K |
| Kevin Larsen | FINAL COMMENTS: Notes+Connections screencam demo script | 09/14/2011 07:06 PM | 8K |
| Kevin Larsen | Pls update: Connections status updates in ND 8.5.3 | 09/14/2011 12:31 AM | 32K |



Drag and drop to upload and share new content

The screenshot shows the Lotus Notes application window titled "Lotus Files - IBM Lotus Notes". The interface includes a top navigation bar with tabs for "Open", "Home", "David M Via - Mail", "David M Via - Calendar", "David M Via - Contacts", "Replication and Sync", and "Workspace". A search bar is located below the tabs. On the left, a sidebar lists folders such as "Inbox (1735)", "Drafts", "Sent", "Follow Up", "All Documents", "Junk", "Trash", "Chat History", "Views", "Folders", "Archive", "Tools", and "Other Mail". The main area displays a list of emails, with the selected email from "Yardi, Chetan" showing details like "Re: [Profiles] You are Ed Brill" and "Mail Router DELIVERY FAILURE".

A "Share" dialog box is open in the center, titled "Social Business Value Messages.odp". It contains the following fields and options:

- File name:** Social Business Value Messages.odp
- Tags:** Type a tag name and press Enter
- Share this file with:** No one (private) People (give specific file permissions to others)
- Share with list:** Kevin R. Larsen <kevlars@us.ibm.com>, (with a green share icon)
- Access:** Readers
- Message: (Optional)** Testing the Files plug-in
- Public (visible to everyone)

At the bottom of the dialog are "OK" and "Cancel" buttons. The status bar at the bottom of the application shows "Replicator finished sending mail at 12:49 PM" and "09/24/2011 02:45 AM".



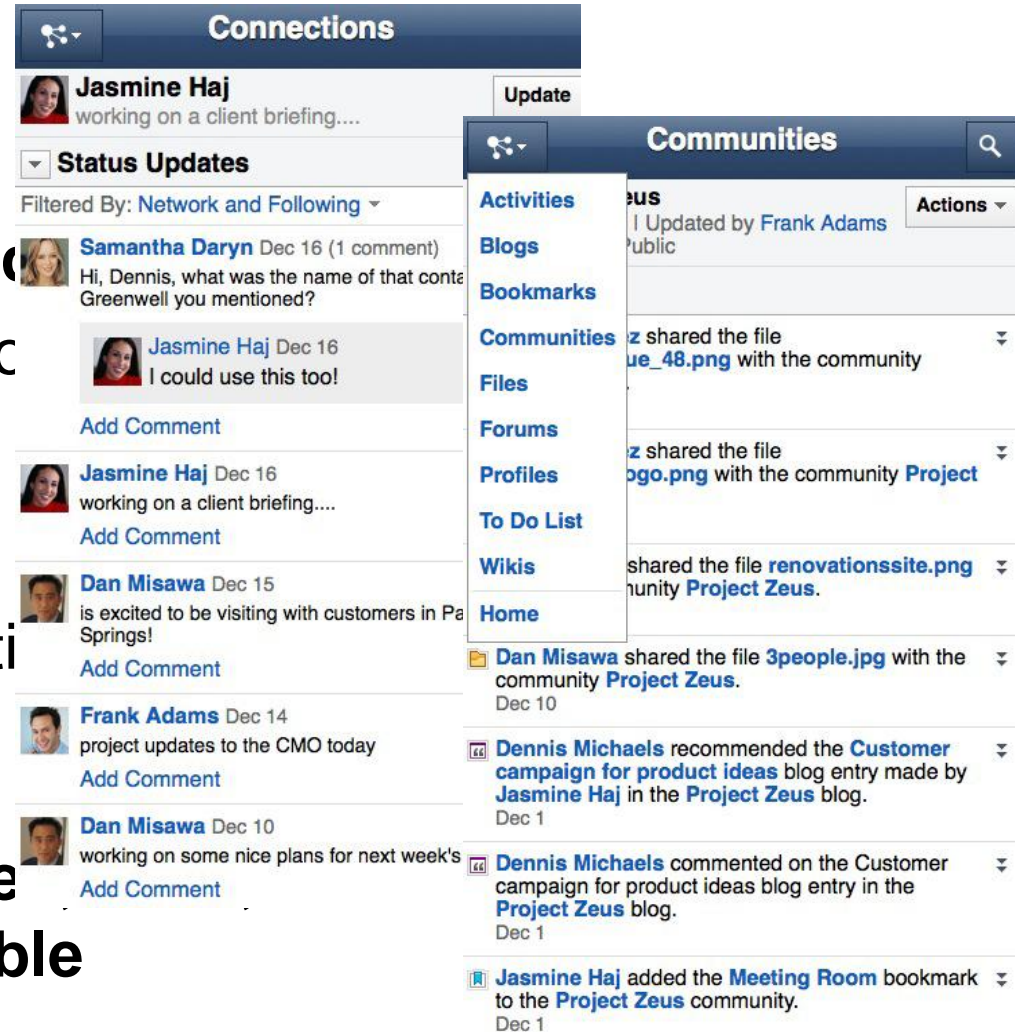


IBM Connections on Mobile

- **IBM Connections supported on**
 - Apple iPhone and iPod Touch
 - Apple iPad
 - Android 2.x devices
 - Nokia S60 3rd and 5th editions

- **Profiles board, Communities, and Bookmarks are now available**

Value = Increase productivities by giving staff all the answers with accessibility anywhere





IBM® Lotus® Sametime® 8.5 Value



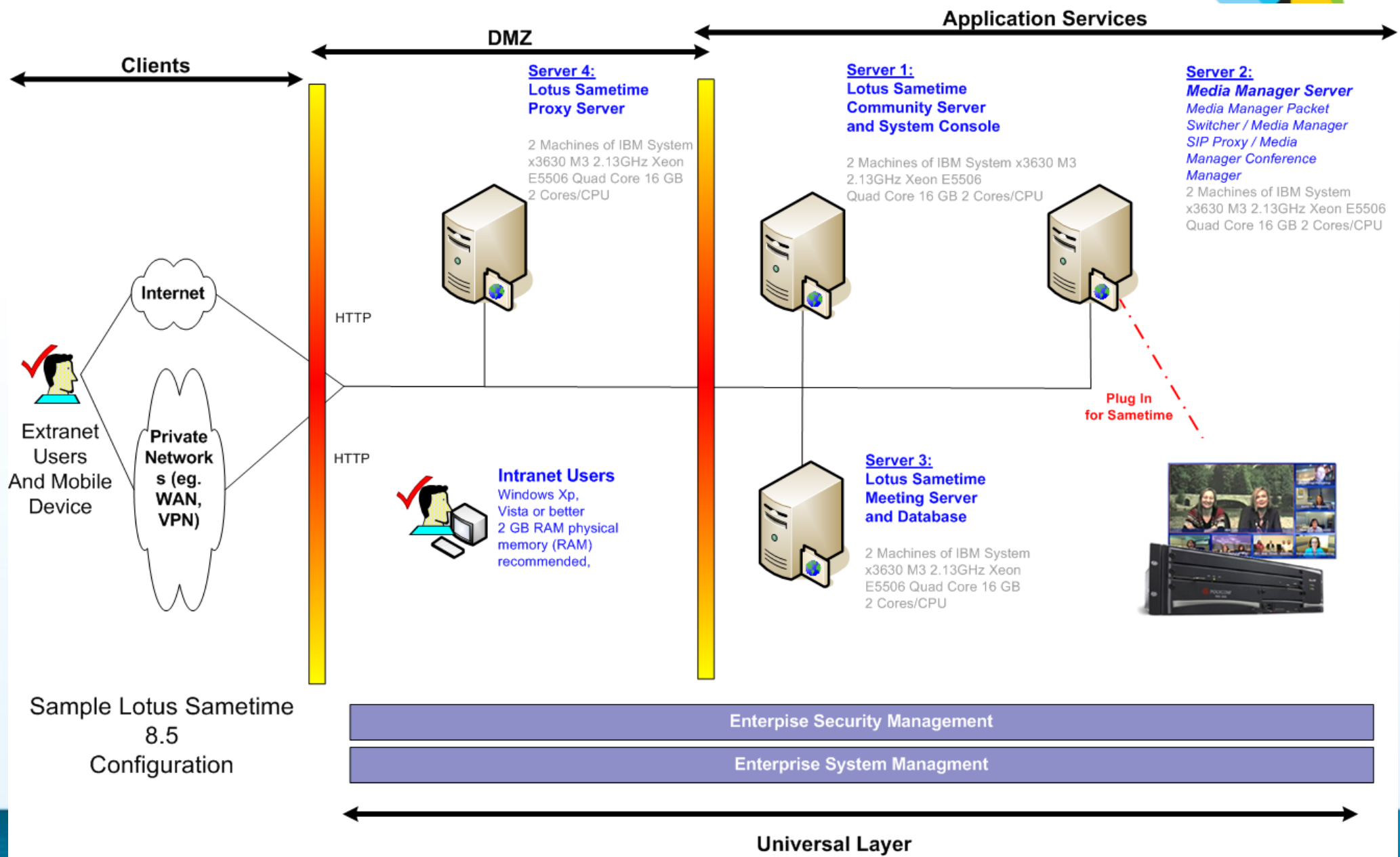
Persistent Chat Rooms
 Social Networking Tools
 Instant Screen Share
 Location Services

VoIP chat, Video
 Telephony Integration
 File Transfer, Screen Capture
 Web Conferencing
 Mobile Clients
 Enterprise & Public IM Federation
 Extensible Eclipse client & SDKs

Presence Awareness
 Secure IM with Rich text, emoticons
 Integration with Office



Architect of IBMSametime 8.5

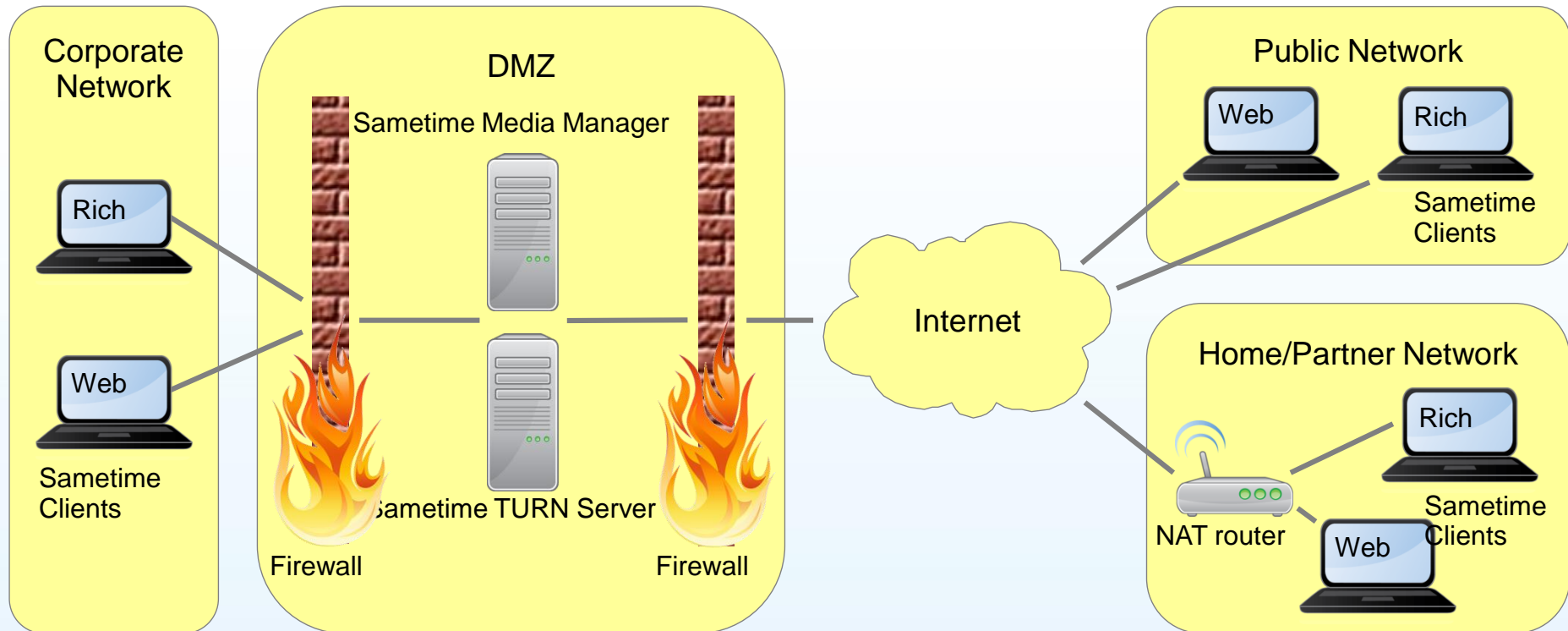


Sample Lotus Sametime 8.5 Configuration



NEW Standards make audio & video over firewalls & NAT'd environments seamless

- Enables audio and video connectivity across firewalls
- A feature of the **Sametime Media Manager** built on ICE/STUN/TURN standards
- No special ports to open

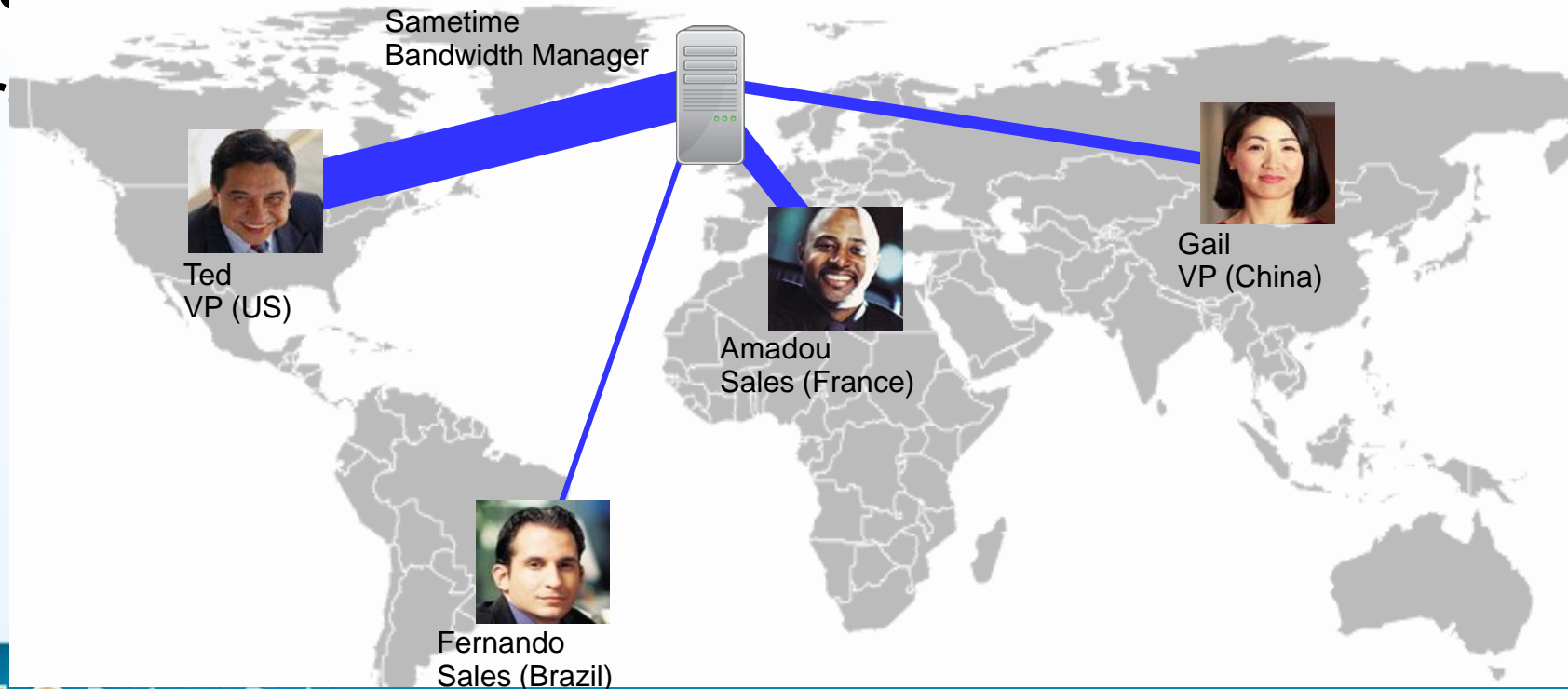




NEW Sametime 8.5.2 Bandwidth Manager

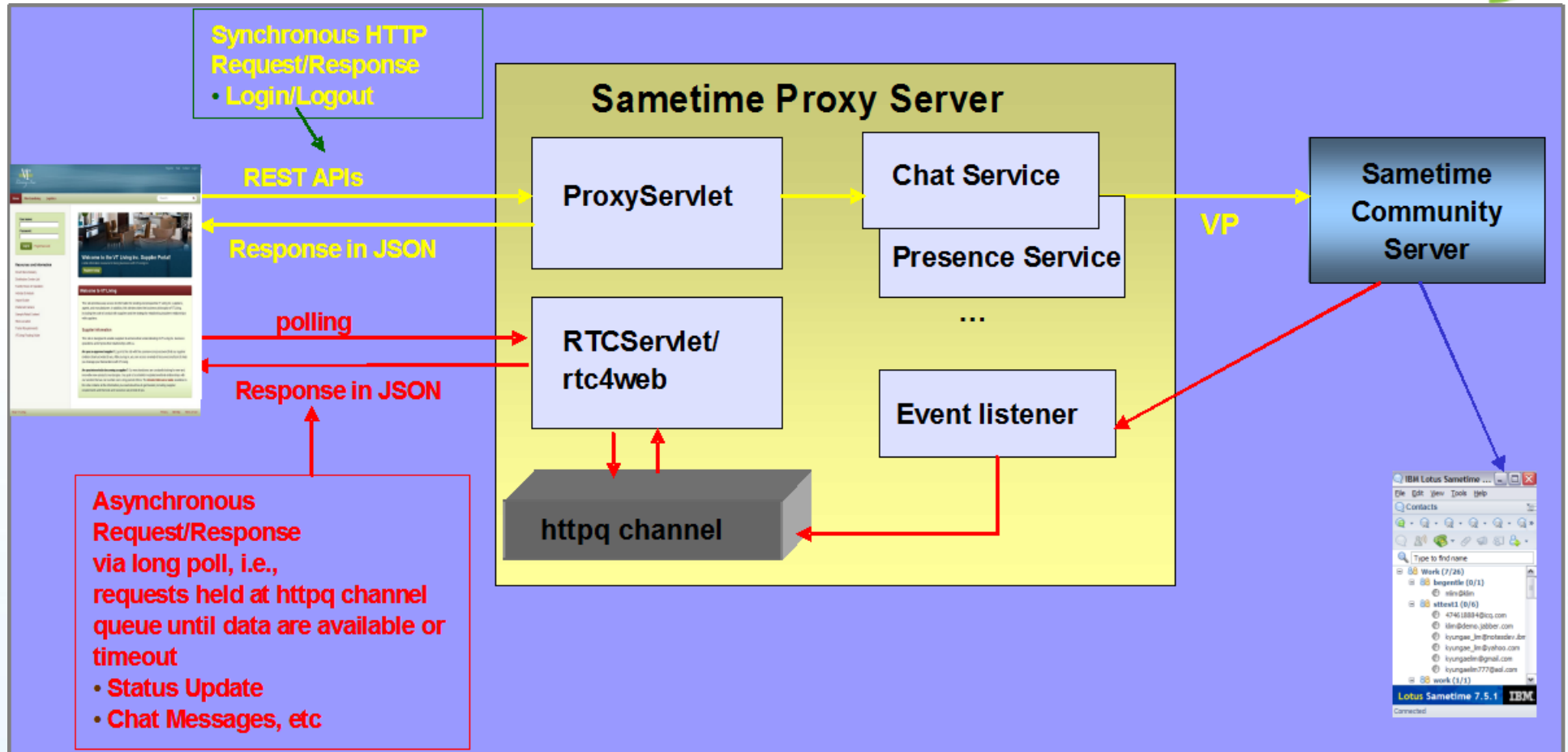
- Protects the mission critical applications on the network by restricting overall bandwidth used for Sametime audio and video
- Administrators set policies based on classes of users and location

■ Pr





Sametime Proxy architecture





Mobility

Rich Presence & Enterprise Instant Messaging, Meetings and SUT



RIM® BlackBerry®



Android OS phones



Apple iPhone



List of supported features on Sametime Mobile

| Sametime Features on Mobile | Mobile Client Application | Mobile Browser on Device | Mobile Meeting Client |
|---|--|--|---|
| Android 2.0, 2.1, 2.2, 2.3 | Yes, Native Android application for Instant Messaging. Only Smartphones supported. | | |
| iOS 3.2 , iOS 4 | Yes, The new Sametime client for Apple iOS devices that includes a dialer to initiate Sametime Unified Telephony calls | Yes, - Support only for Instant Messaging using the Sametime browser-based chat - Support for Apple iPhone 3G, 3GS, and 4 with Mobile Safari - Support for Apple iPod Touch second, third, and fourth generations with Mobile Safari - Support for Apple iPad and iPad 2 with Mobile Safari | Yes Sametime Meeting |
| Blackberry 4.6 - 4.9 | Yes, Support for Instant Messaging using Sametime Mobile. | | |
| Blackberry 5.0 and 6.0 | Yes, Support for Sametime Instant Messaging using Sametime Mobile | | Yes, Sametime Meetings using Sametime Meetings for BlackBerry |
| Windows Mobile 2003 SE PocketPC / 5.0 / 6.0 / 6.1 Professional and Standard | Yes, Mobile Connect Client. Support only for Instant Messaging using Sametime Mobile | | |
| Nokia Series 60 Feature Pack 1 3.1 3rd Edition, Pack 2 3.2 3rd Edition | Yes, Only ESeries supported. Support only for Instant Messaging using Sametime Mobile. | | |



Socialize IBM Products

IBM Lotus® Notes®



- . Activities sidebar
- . Status Update
- . Business Card
- . Bookmarks
- . Search

IBM Sametime®



- . Post chat to an Activity
- . Post chat to Community Forum
- . Business Card



Home page Profiles

Communities Blogs

Files

Activities

Wikis

Bookmarks

Forums



IBM Lotus® Quickr®

- . Add page to Activity
- . Publish to Quickr
- . Community Wiki



IBM WebSphere® Portal

- . Portlet integration with services into pages and sites
- . Profiles, Activities, Blogs, Bookmarks, Tag, Wikis, Status Update



Socialize IBM Product into Microsoft® environment



Microsoft® SharePoint

- . Business Card
- . Profiles Search
- . Tag cloud web part

Microsoft® Office

- . Upload Files to Activities
- . Search Profiles
- . Add to your blog
- . Create Activity Todos



Home page

Profiles

Communities

Blogs

Files

Activities

Wikis

Bookmarks

Forums



Microsoft® Outlook

- . Business Card
- . Search services

Microsoft® Windows

- . Add file to Activity
- . Create new Activities





thank you

Questions / Answers

