【IBM SOA講堂】Lotus動員協作：Portal 與Microsoft 產品與技術的整合

鄭志傑
IBM 資深資訊工程師
chengcc@tw.ibm.com

IBM Certified System Administrator
WebSphere Portal

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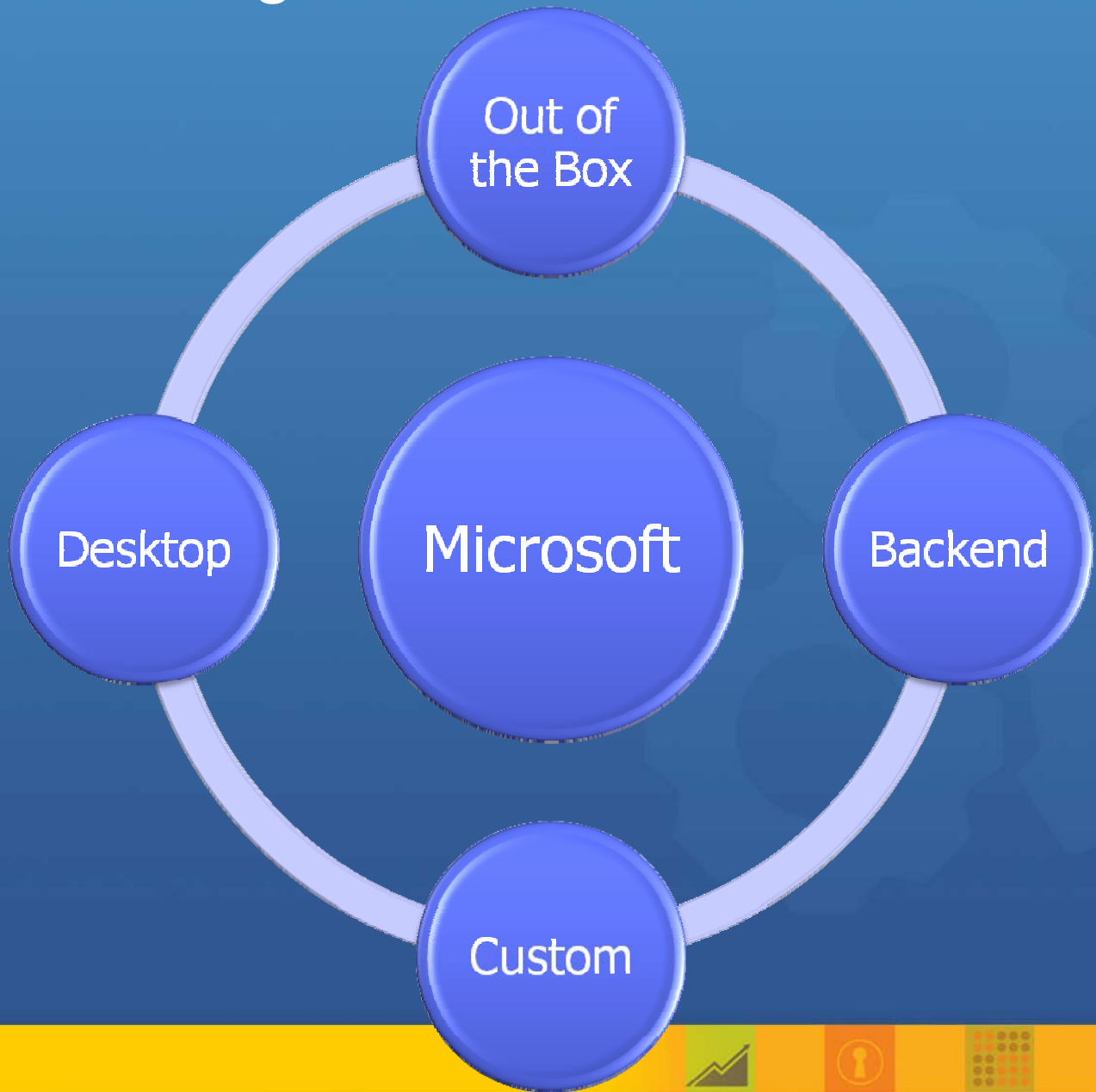
Agenda

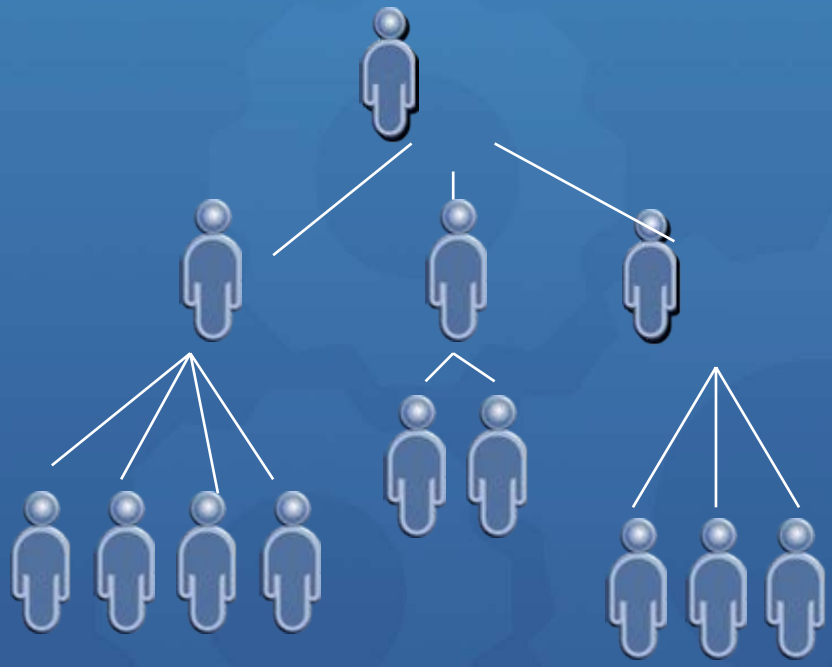
- **Out of the Box Integration**
  - Active Directory Support
  - Ms Office Document viewer Portlet
  - Microsoft Exchange Portlets
  - Filesystem Integration (New with Portal 6.0)
- **Custom integration**
  - Microsoft Office QuickLauncher
  - Microsoft Outlook Integration
  - Microsoft Office web components Integration
  - Using Live Communication Server for Presence
  - Backend integration via Web Services and XML
- **Desktop Integration / Collaboration / Quickr**
- **MainSoft**
- **Summary & Questions**

Microsoft Integration for Portal



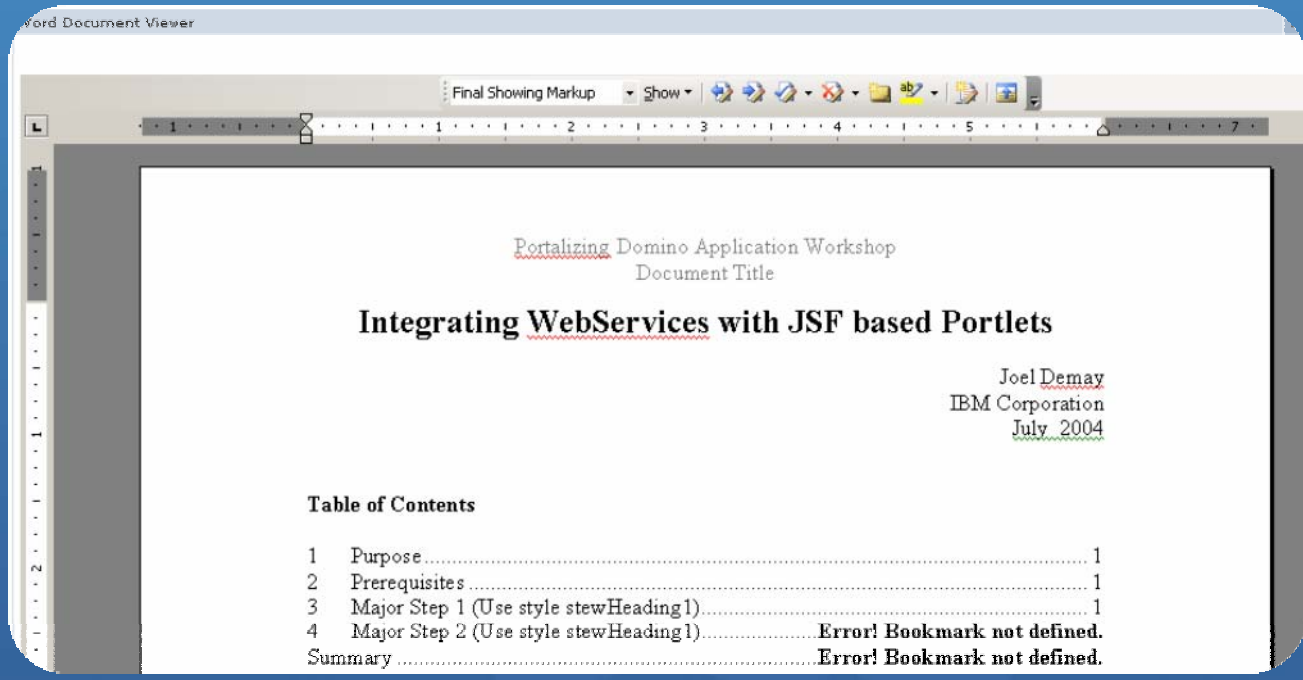
Active Directory Support

- Active Directory can be used as the corporate LDAP Server for Portal Server.
  - Portal support AD 2003 (Application and Infrastructure Modes)
  - Other IBM Products support AD (LDAP)
- Windows Desktop SSO
  - Possible with solutions from Tivoli or Netegrity
  - Custom TAI before v6.1
  - V6.1 support native Kerberos



Microsoft Office document viewer

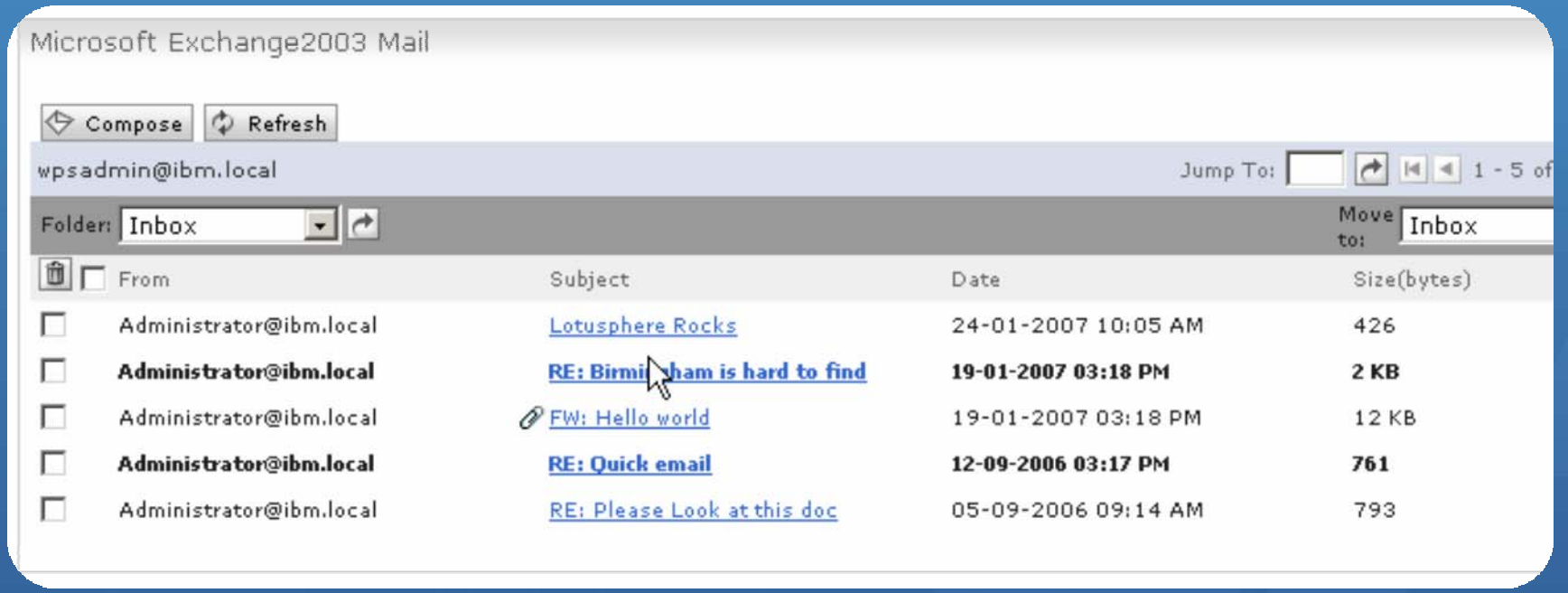
- Standalone Portlets
  - Microsoft Word
  - Microsoft Excel
  - Microsoft Powerpoint
  - PDF also
- Portal Document Manager / Common PIM Portlet Capabilities
  - Microsoft Office, + 160 other file types.



Microsoft Exchange support

- Exchange Portlet
  - Web Dav and Outlook Web Access support
  - Exchange 5.5,2000,2003 support
  - Credential Vault
- IBM Portlet for Outlook Web Access
  - on Portal Catalog
- Internet Portlet
  - Exchange supports POP3
- Common Mail Portlet
  - Introduced with WP 5.1
  - Supports Domino, Exchange, Internet Mail
  - Mail, Calendars, To Dos
  - Exchange 2000, 2003
  - Leverages Credential Vault.
  - Contextual Collaboration/presence awareness

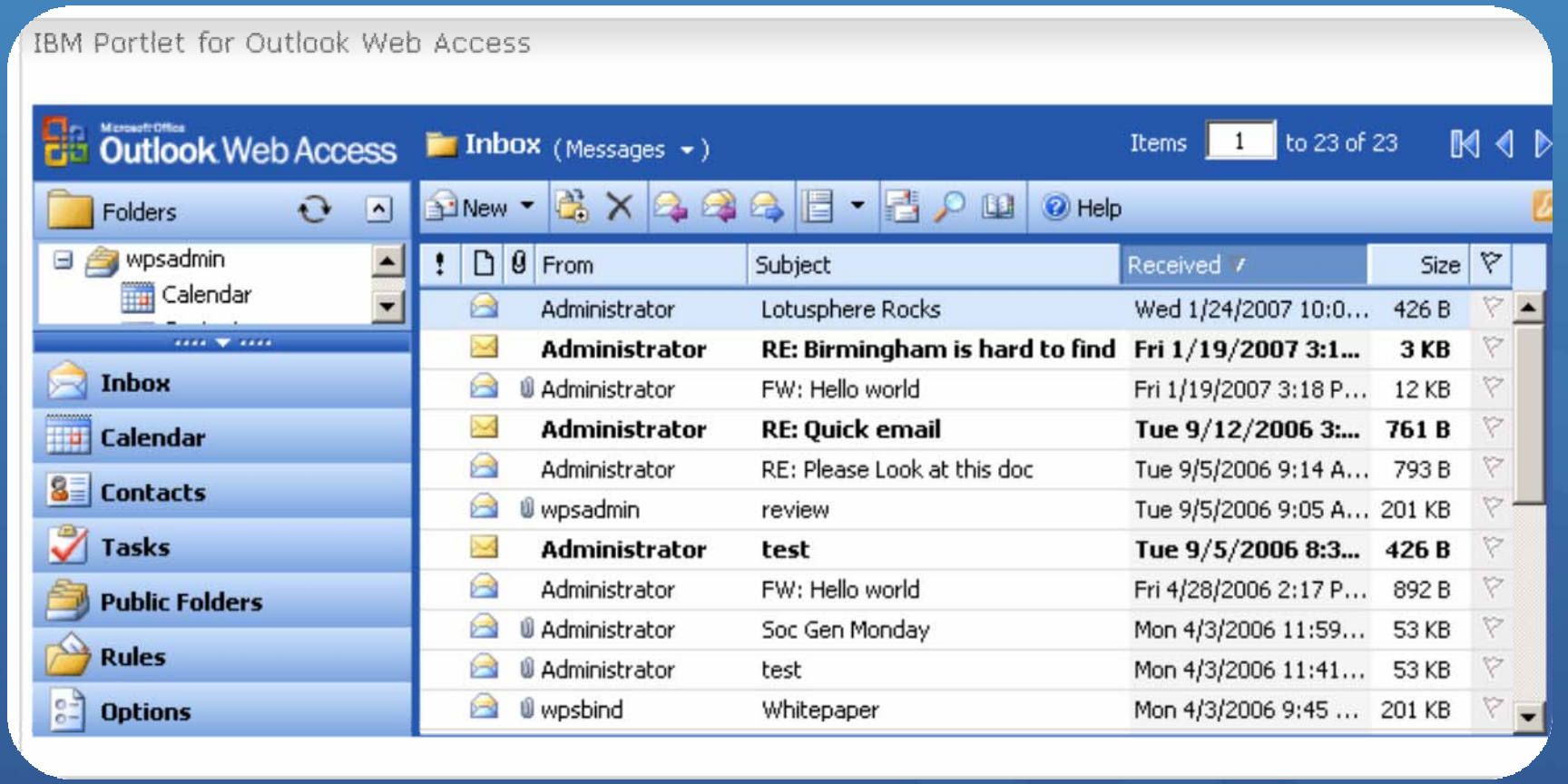
Exchange Portlet



Exchange Portlet

- Web Dav and Outlook Web Access support
- Exchange 5.5,2000,2003 support
- Credential Vault

Exchange Portlets – Outlook Web Access

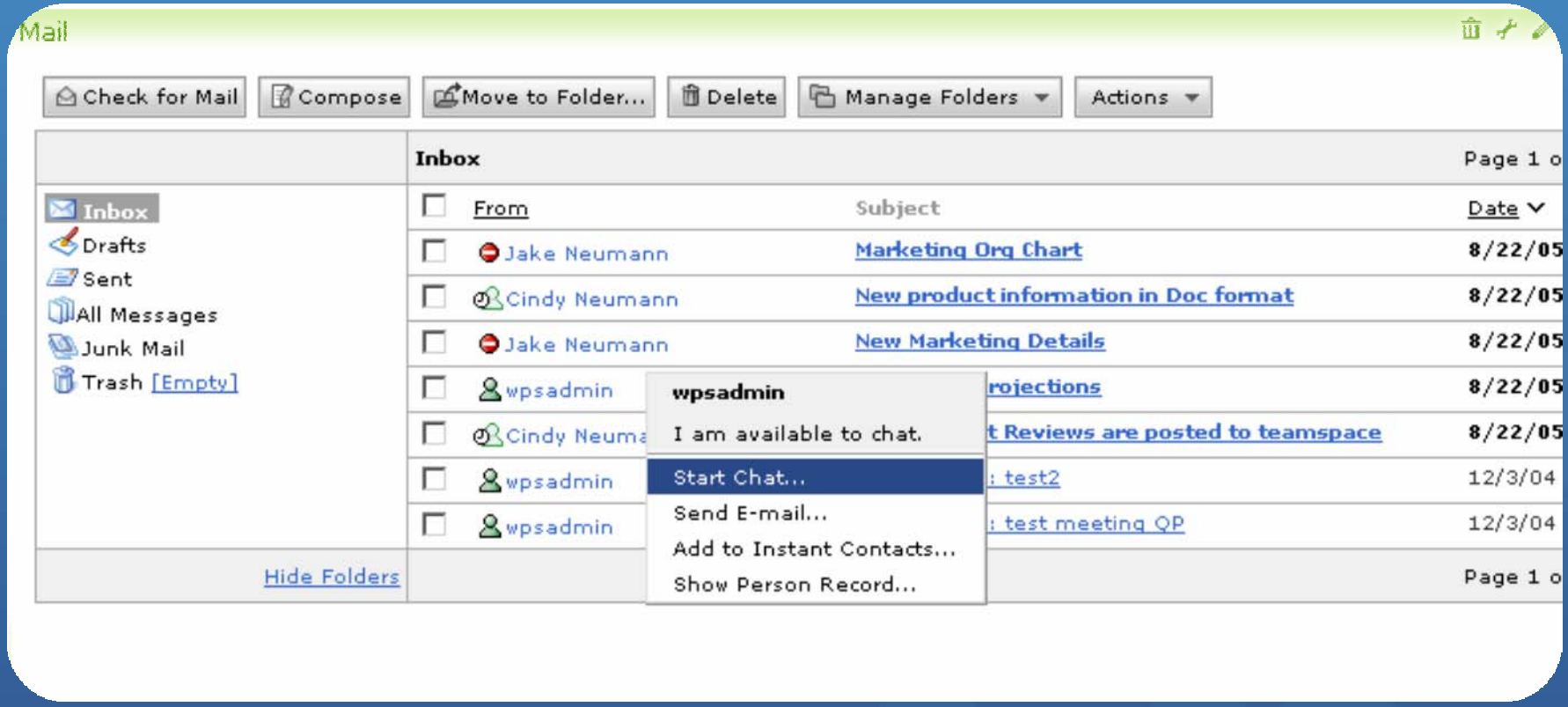


IBM Portlet for Outlook Web Access

- on Portal Catalog

Microsoft Exchange Server

Common PIM Portlet – 2000 & 2003 Support



- Common Mail Portlet
  - Introduced with WP 5.1
  - Supports Domino, Exchange, Internet
  - Mail, Calendars, To Dos
- Common Mail Portlet
  - Exchange 2000, 2003
  - Leverages Credential Vault.
  - Contextual Collaboration/presence awareness

Common PIM Portlet – 2000 & 2003 Support

Common Mail Portlet

- Introduced with WP 5.1
- Supports Domino, Exchange, Internet,
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- Exchange 2000, 2003
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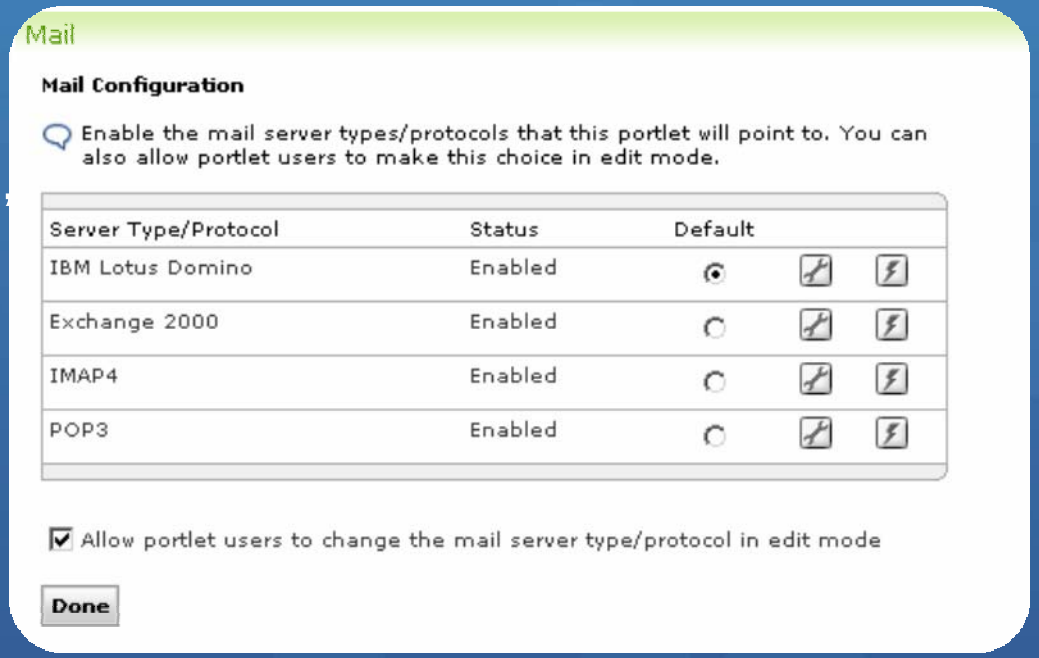

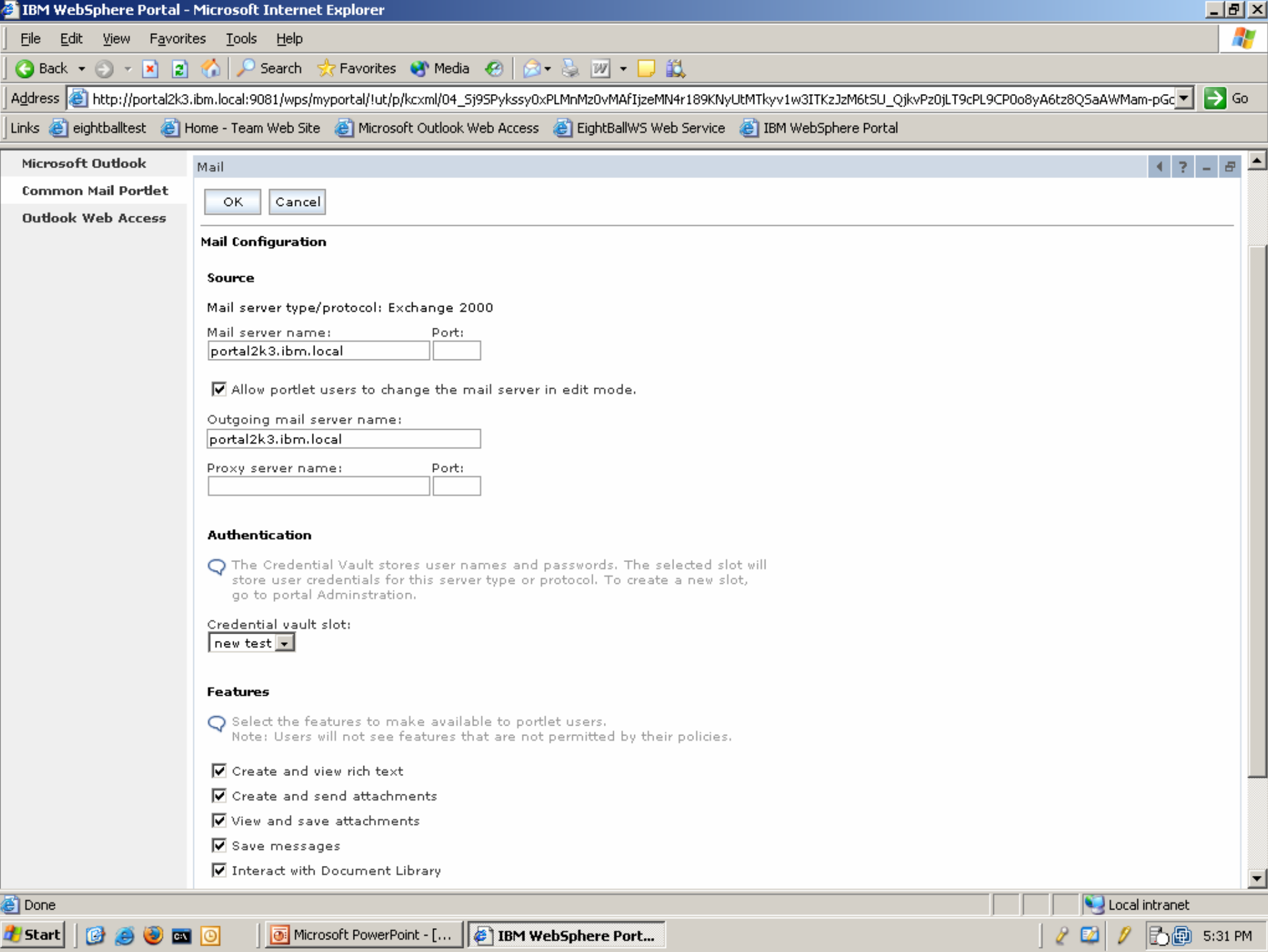
IBM WebSphere Portal - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
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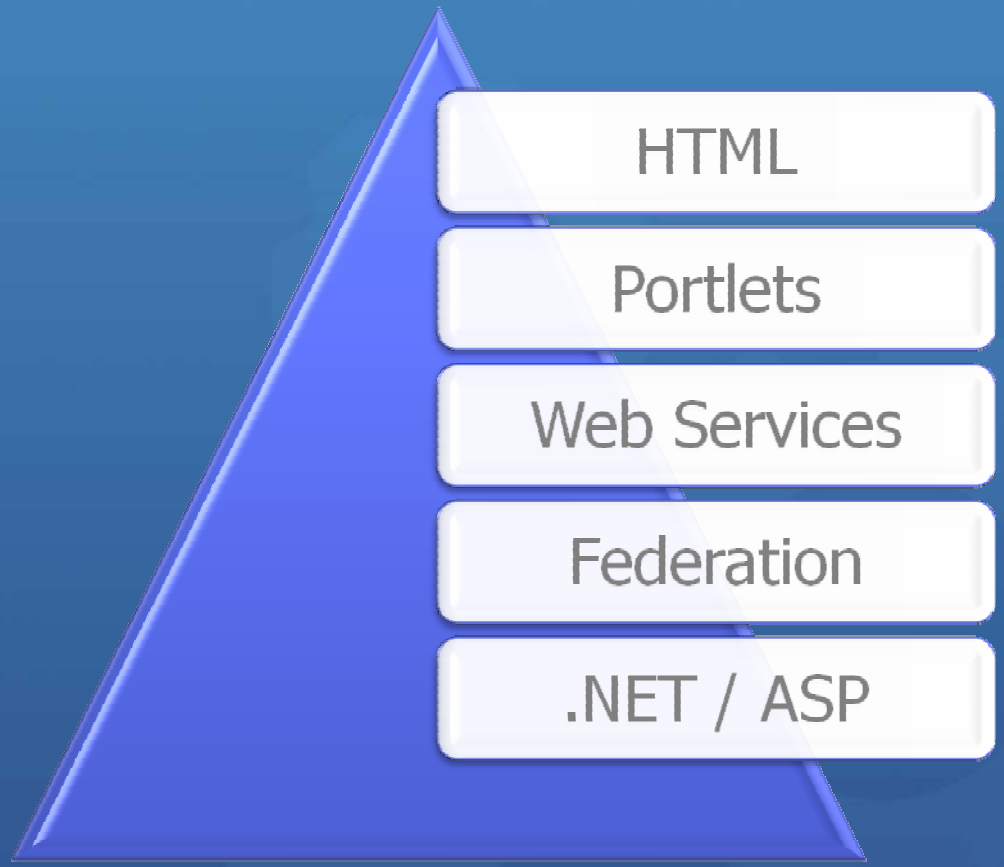
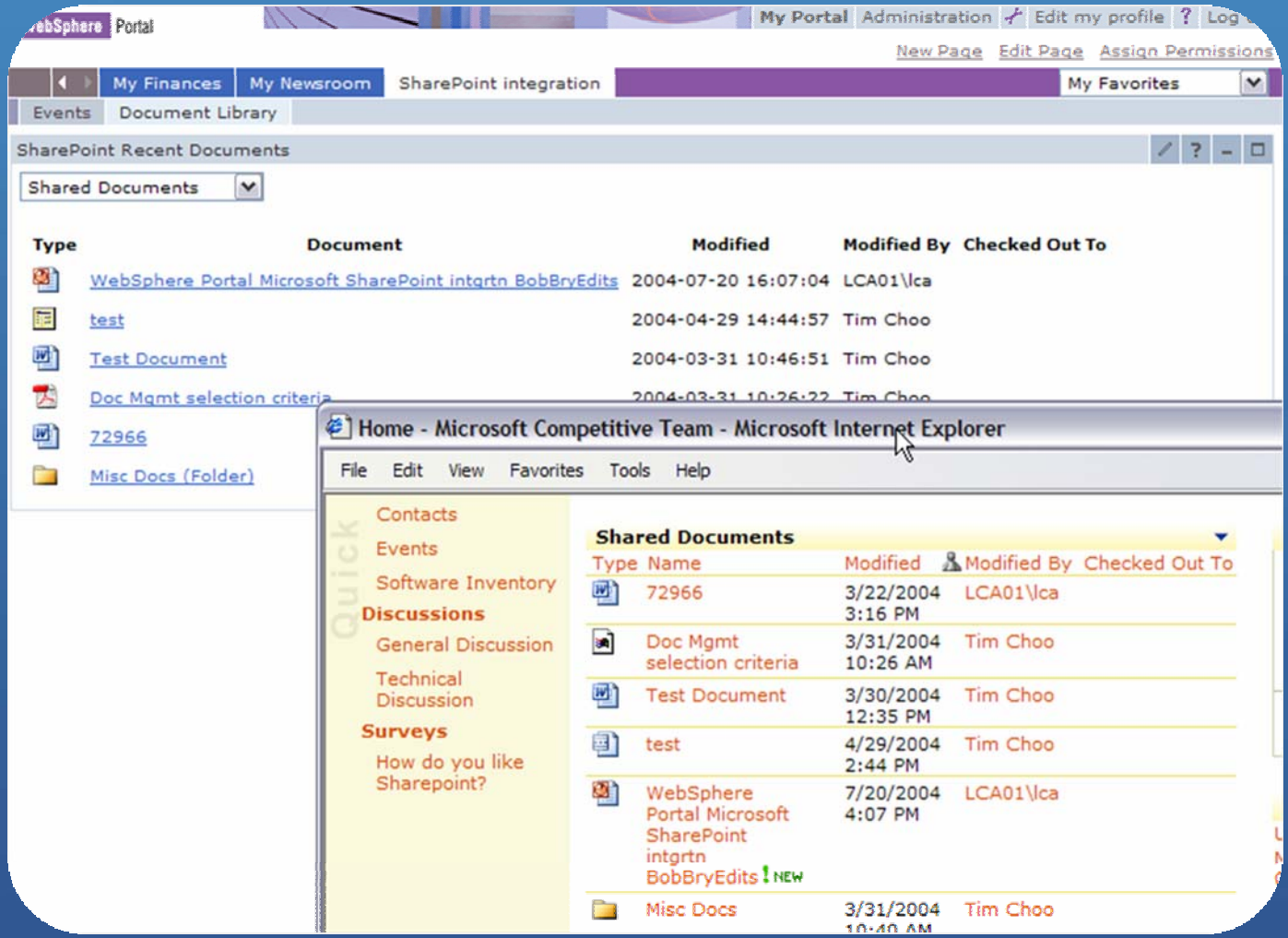
Go
Links eightballtest Home - Team Web Site Microsoft Outlook Web Access EightBallWS Web Service IBM WebSphere Portal
Microsoft Outlook
Common Mail Portlet
Outlook Web Access
Mail
OK
Cancel
Mail Configuration
Source
Mail server type/protocol: Exchange 2000
Mail server name:
portal2k3.ibm.local
Port:
Allow portlet users to change the mail server in edit mode.
Outgoing mail server name:
portal2k3.ibm.local
Proxy server name:
Port:
Authentication
The Credential Vault stores user names and passwords. The selected slot will store user credentials for this server type or protocol. To create a new slot, go to portal Adminstration.
Credential vault slot:
new test
Features
Select the features to make available to portlet users.
Note: Users will not see features that are not permitted by their policies.
Create and view rich text
Create and send attachments
View and save attachments
Save messages
Interact with Document Library
Done
Local intranet
Start
Microsoft PowerPoint - [...
IBM WebSphere Port...
5:31 PM

How do we integrate with Microsoft SharePoint?

1. HTML , Javascript
   (Connections Business Cards, Snippt code, Sametime 8 Awareness)
2. Portlet Level
3. Web Services level
4. Site & Navigation level (Federation)
5. Mainsoft Integration

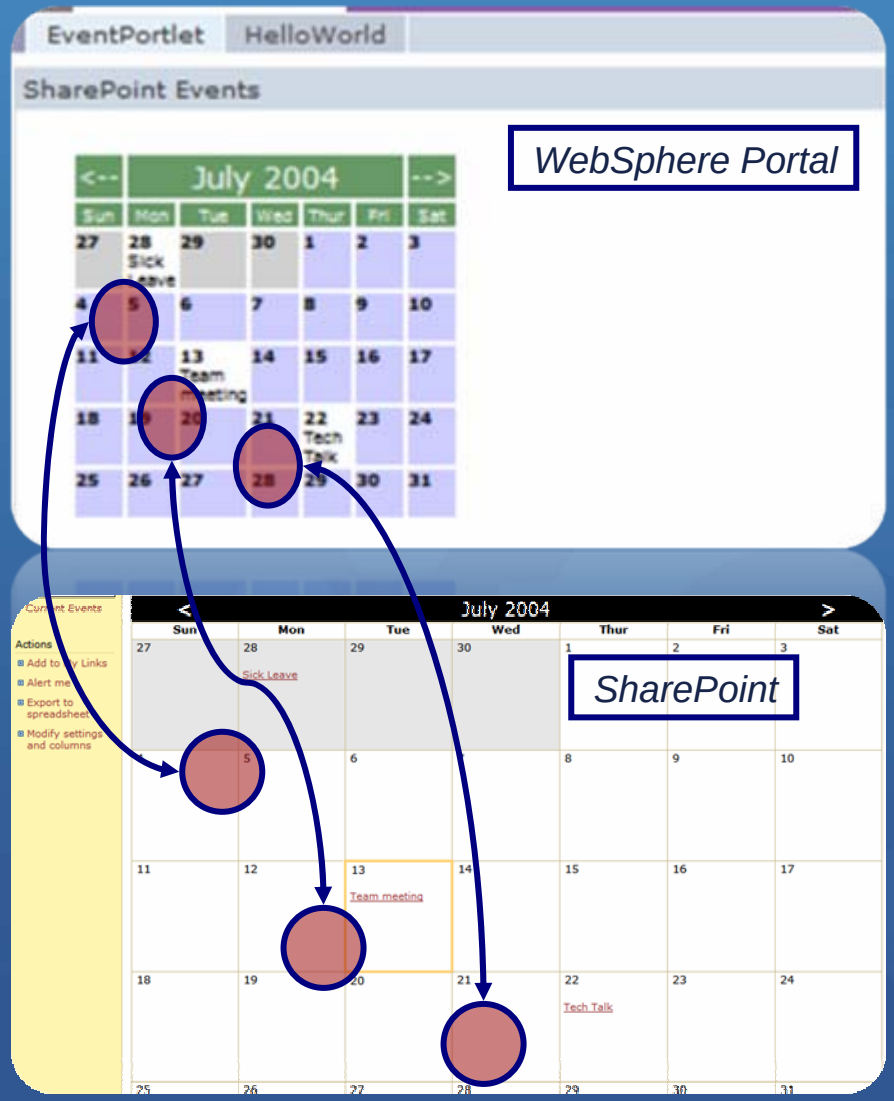


WebSphere Portal Integration with SharePoint

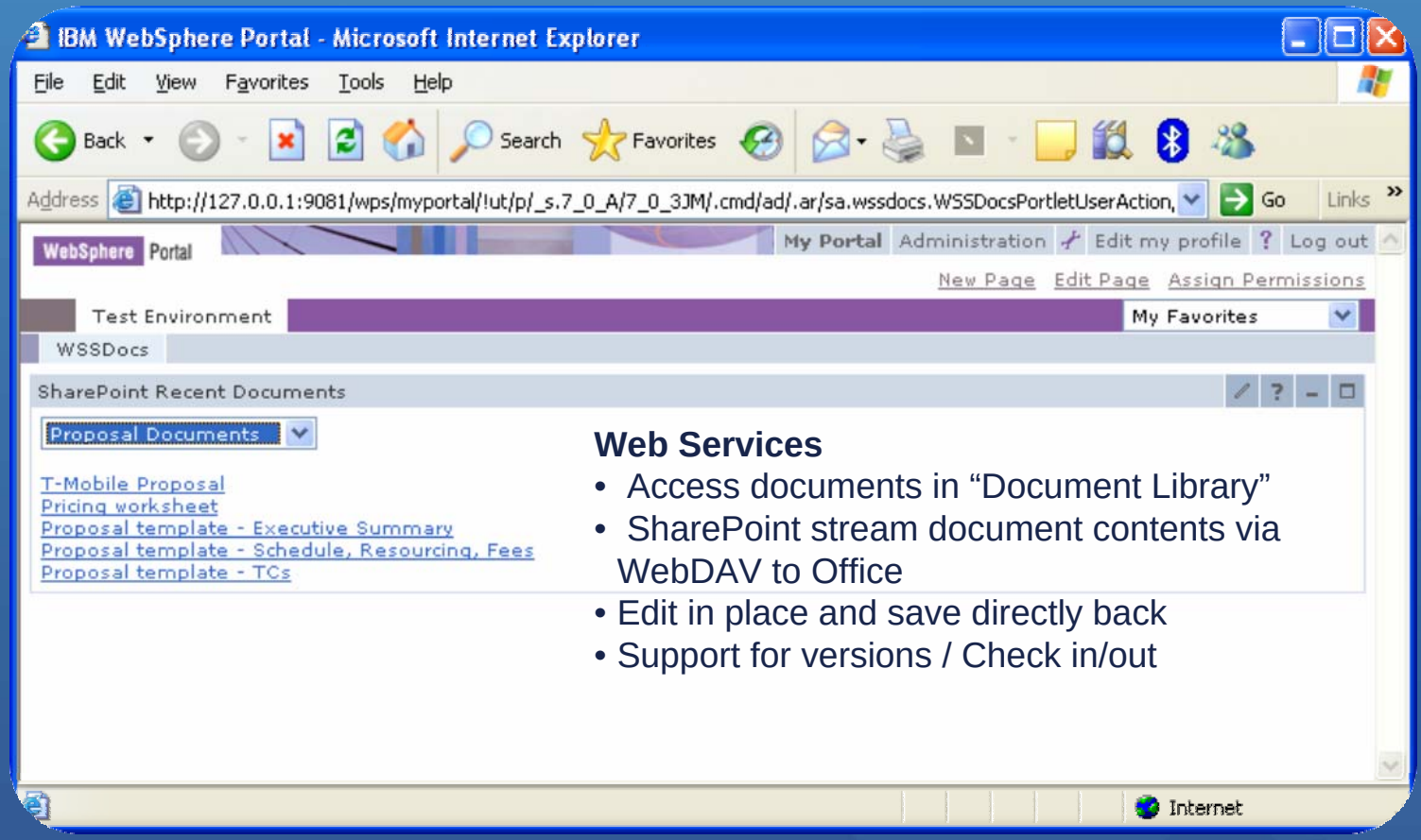


SharePoint Events Portlet

- The portlet calls the SharePoint List web service to retrieve all the items in an event list of a particular SharePoint site
- The user configures the portlet by specifying the userid/password credentials used to log in to SharePoint, as well as the URL to the SharePoint site
- The portlet displays the events in a calendar in normal mode. In Maximized mode, it also displays the events in a table with a clickable link to the SharePoint event form



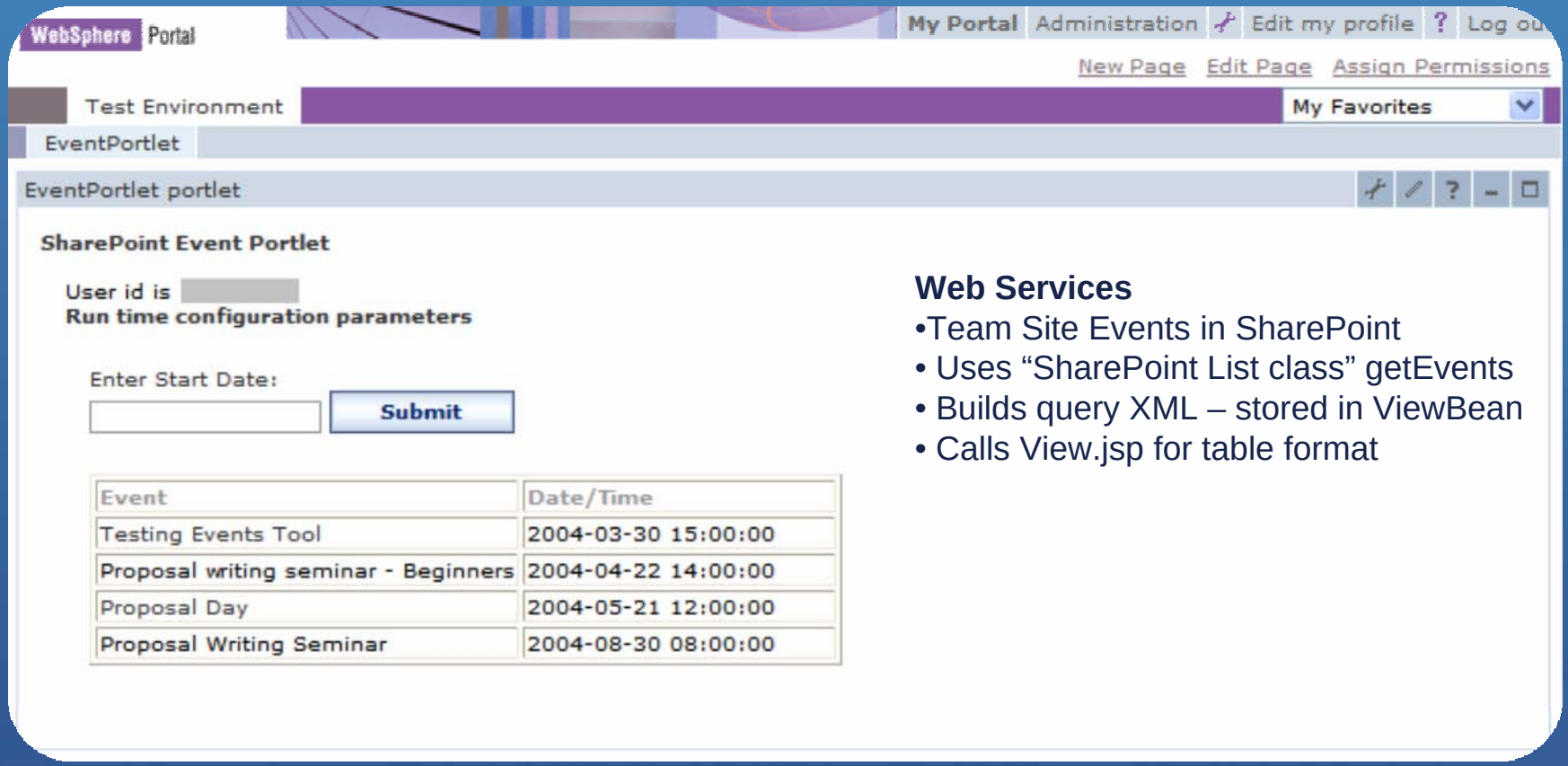
SharePoint Recent Document - Custom



Web Services

- Access documents in “Document Library”
- SharePoint stream document contents via WebDAV to Office
- Edit in place and save directly back
- Support for versions / Check in/out

SharePoint Events Calendar - Custom



Web Services

- Team Site Events in SharePoint
- Uses “SharePoint List class” getEvents
- Builds query XML – stored in ViewBean
- Calls View.jsp for table format

IBM Portal as Federation Portal

JSR 168 + WSRP

Other WebSphere Portals

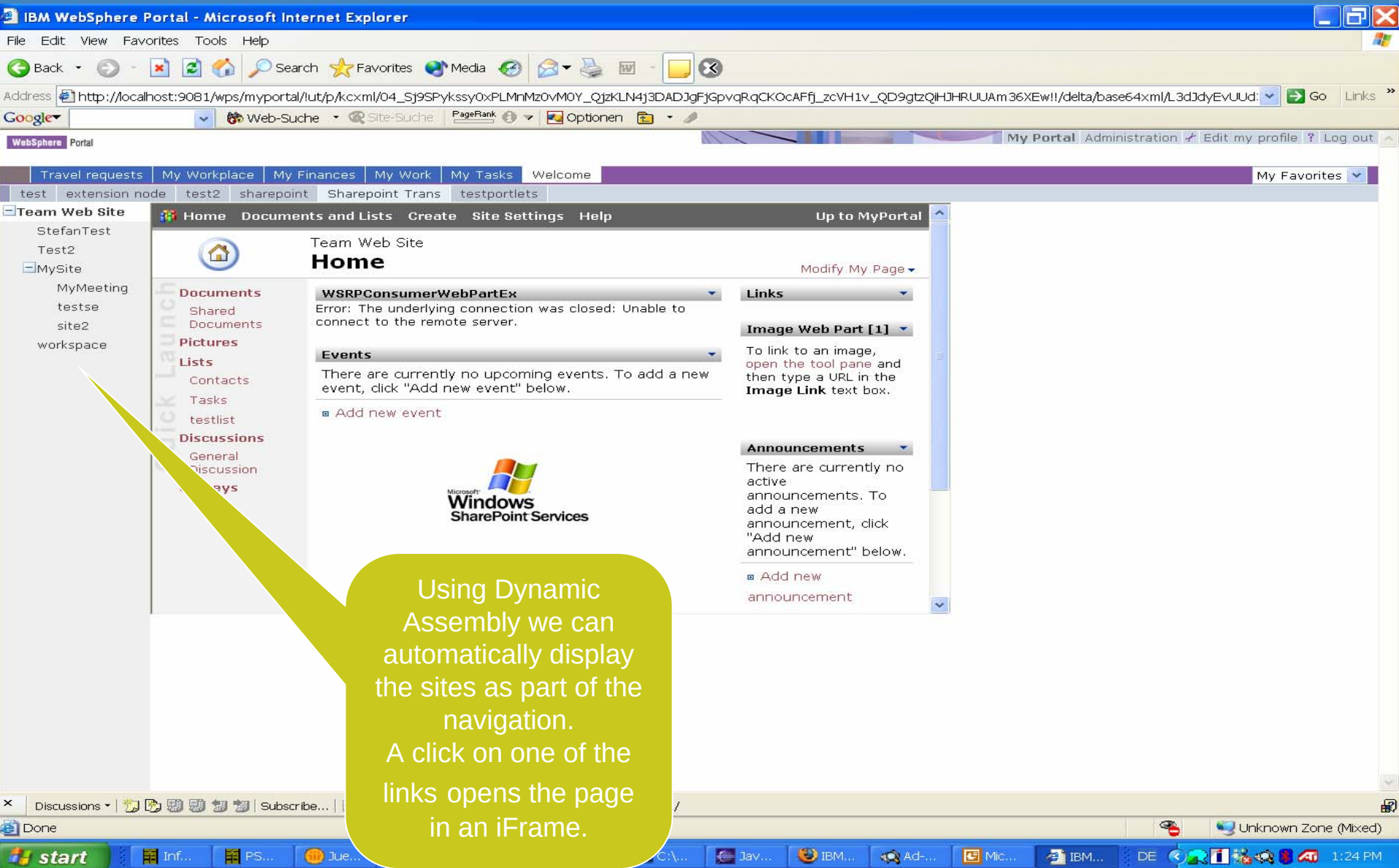
EJBs

Web Services

SharePoint

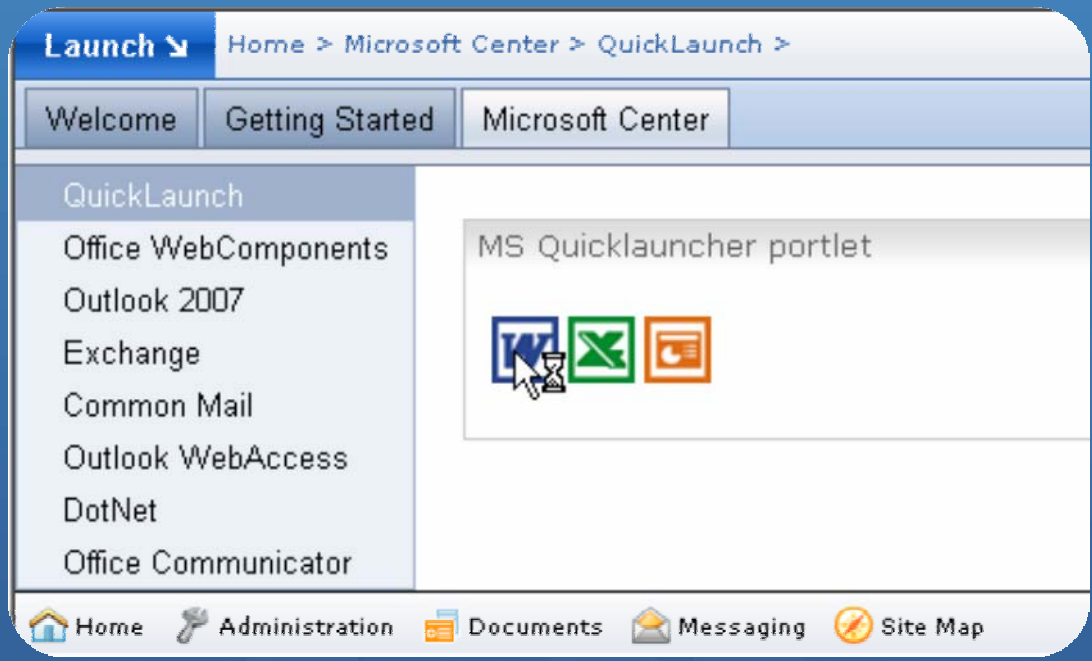
1. Security
2. Portlets
3. Search
4. Personalization
5. Document Mgmt
6. Presence

IBM Servicess Offering
WebSphere Portal federated access across MS Sharepoint Services site(s)



Custom integration – Microsoft Office Quicklauncher

- Microsoft office applications only one click away
- Very simple Portlet
- Relies on ActiveX Scripting
- Portal host name to be added to Browser's trusted zone
- Most of the code is actually VBScript (IE4 or higher).
- Could be extended to any well behaved windows application
- Further automation is possible.
  - Launch Macro, Print, etc.



Custom integration – Microsoft Office web components

- What are the MS Office web component? (Active X Control)
  - Subset of MS Excel, Chart, etc
    - ✓ Ideal for portal real-estate.
  - Part of Microsoft Office 2000/XP/2003/2007
  - Fully programable via VBscript
  - Supports XML
  - Can be downloaded for free for non Office users.
  - Can Connect to easily to back end systems to load Data
    - ✓ Via XML over HTTP
      - Data needs to be coming from same Web Server
      - Could be dynamically generated by WebServer
  - Via ODBC/ADO Connection to MS SQL Server or any other RDMBS

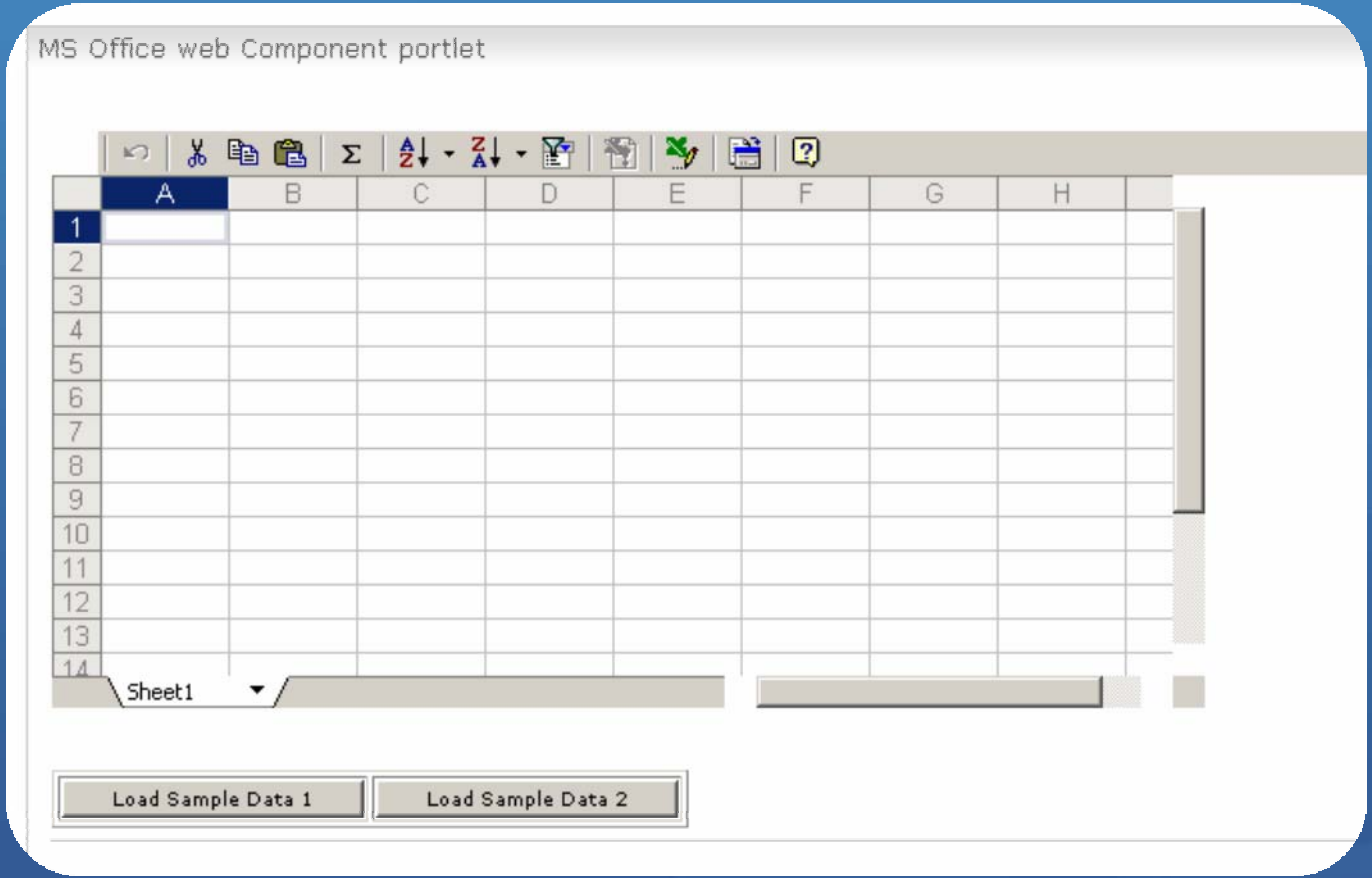
Custom Integration with MS office Web Components

- Requirements
  - Microsoft Office has to be installed.
    - ✓ Read mode only if not installed
  - Relies on ActiveX Controls, no support for NS browsers. (Win + IE Only)
- **Potential Portal Applications:**
  - Dynamically Displaying office based data.
  - Provide interactive calculators (Loan Calc, etc).
  - Build Dashboards (Business intelligence)
    - ✓ Pivot Table, OLAP Cubes
  - Front-End entry systems based on Excel Spreadsheet
    - ✓ Users already familiar with Office.
    - ✓ Components can be interfaced with any backend system for processing.
    - ✓ The Components do not provide an easy way to save data

Microsoft Office Web Components – DEMO (Custom)

ActiveX Component

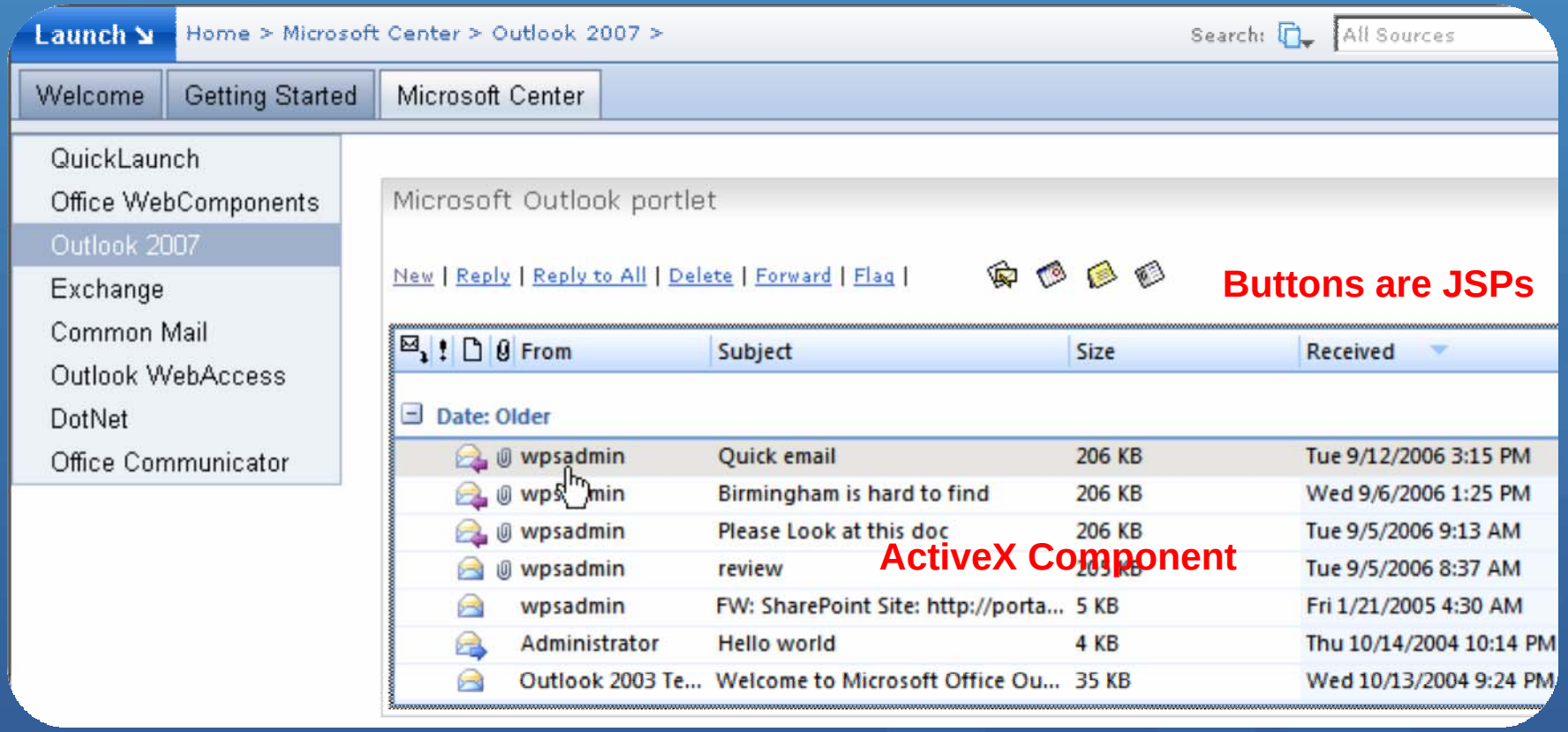
Buttons are JSPs



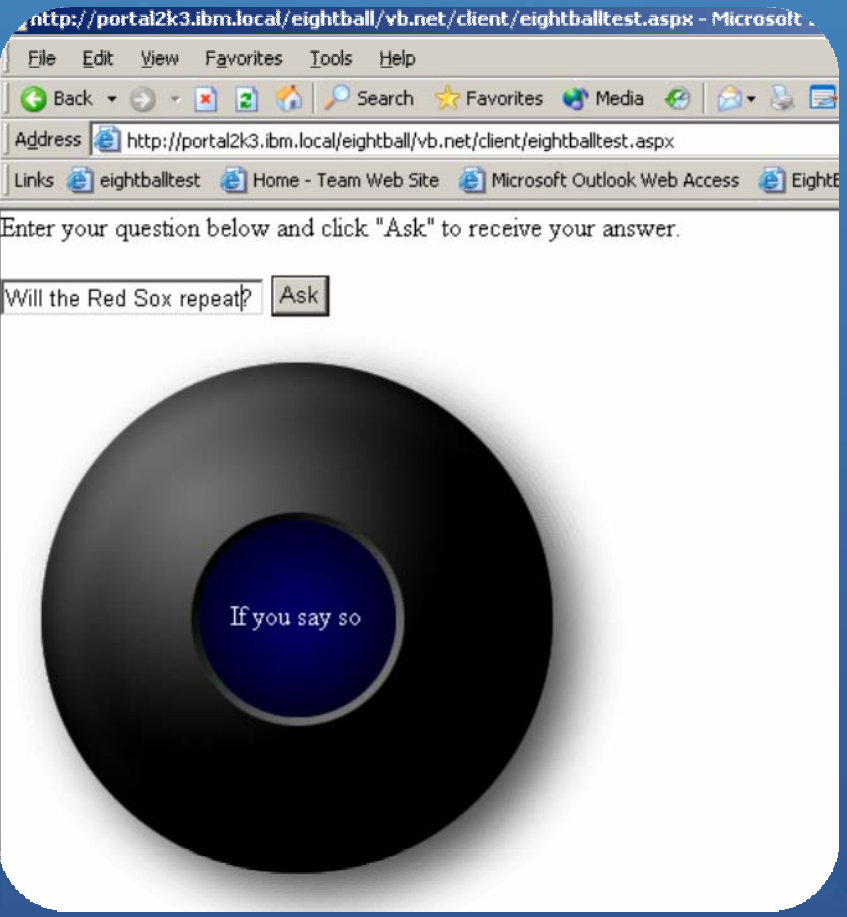
A Richer Client Integration for Exchange

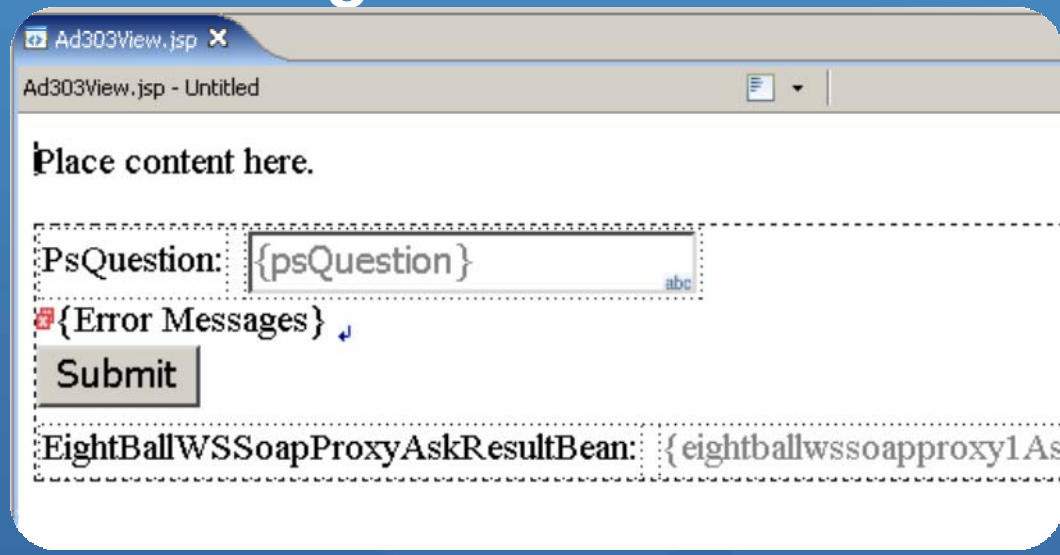
- Outlook is the Application most Microsoft users live in.
- Exchange WebDav/OWA Portlets are functional but:
  - Server must be running version 2000
  - HTTP Protocol has be enabled on Server
  - Some basic features are missing:
    - ✓ Right Mouse Click Context menus
    - ✓ Drag and Drop
- The Solution is the Outlook Portlet (Custom Example)
  - Client based implementation
  - Supports any version of Exchange (from 4.0 to 2007)
  - Very rich feature set/UI (Matches Outlook win 32 client)
  - **Not a pure thin client solution**
    - ✓ Outlook 98/2000/XP/2003/2007 needs to be installed on Workstation

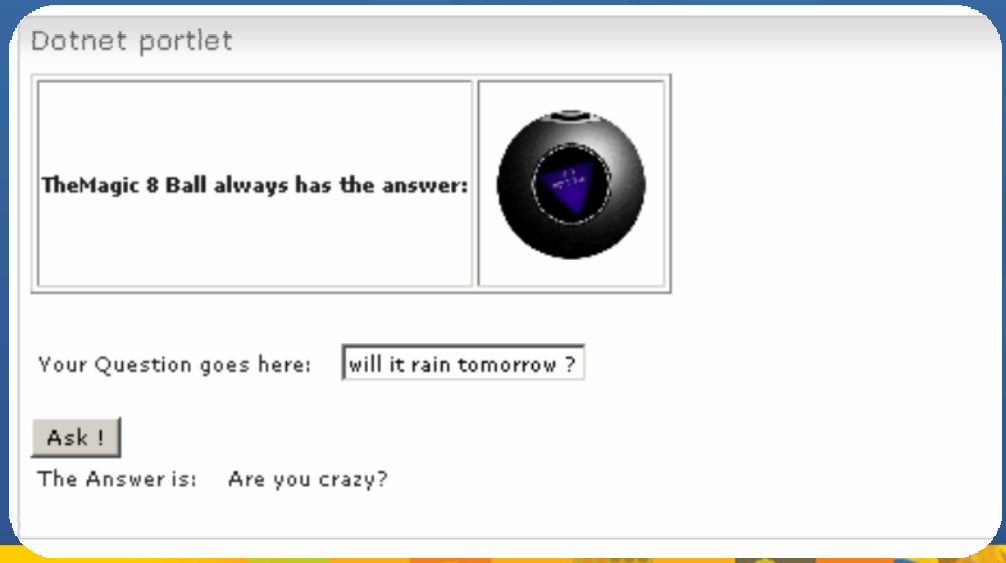
Outlook Portlet Demo (Custom example) Hybrid



Web Services with IBM Tooling

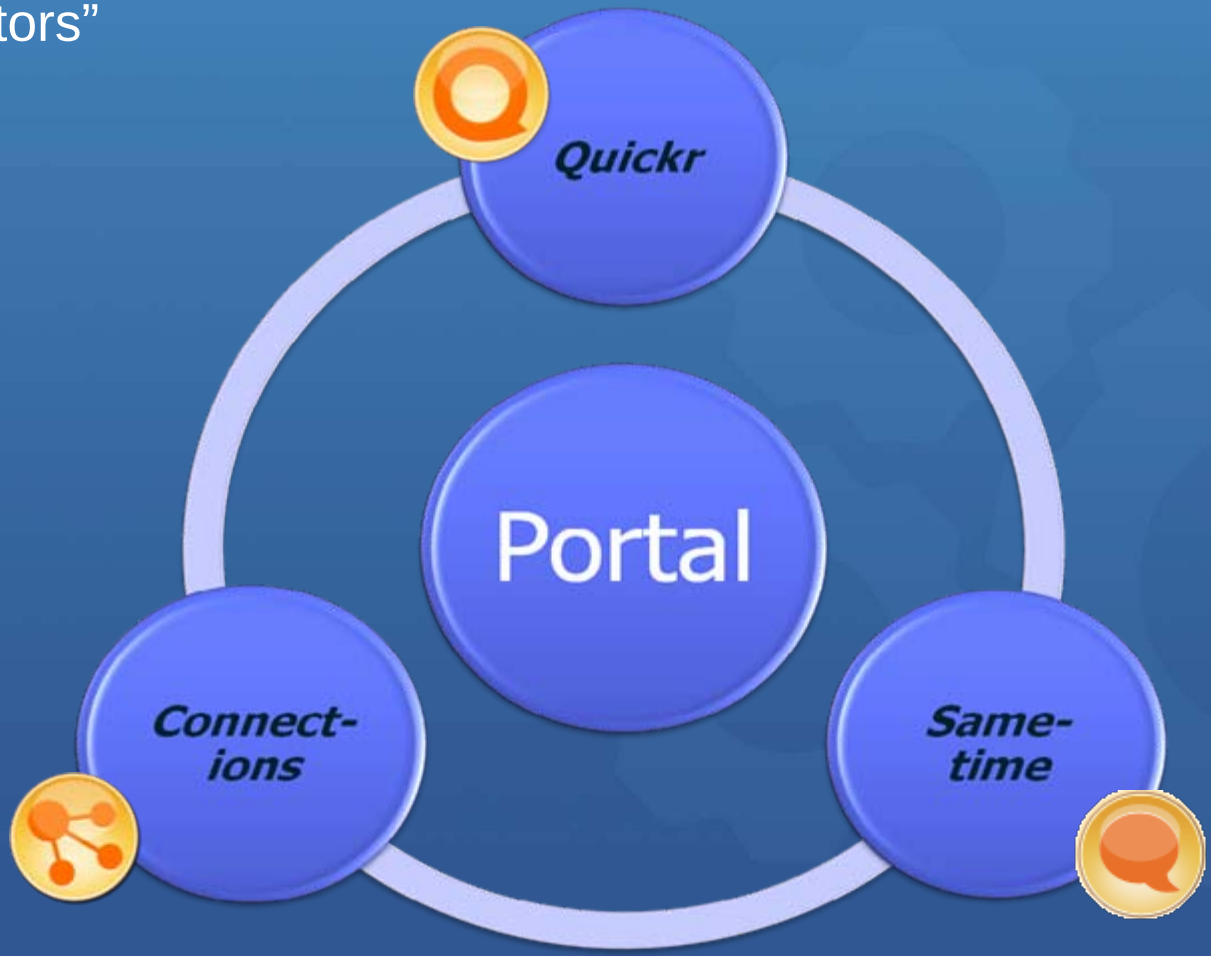






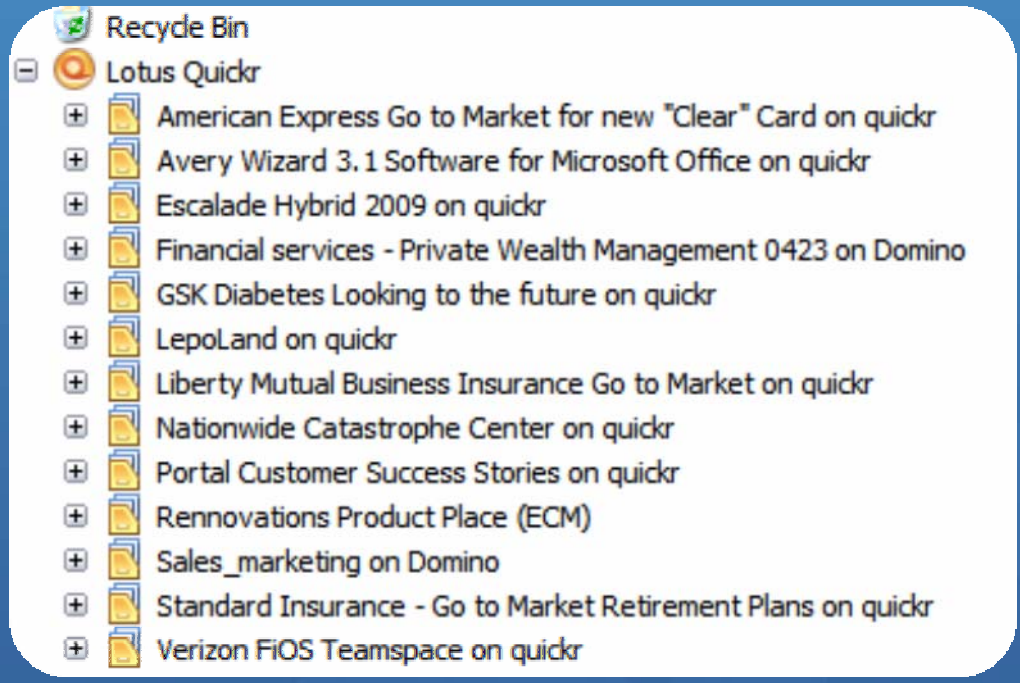
IBM Collaboration Accelerator

- Limited License to Portal Framework
- Desktop “Connectors”



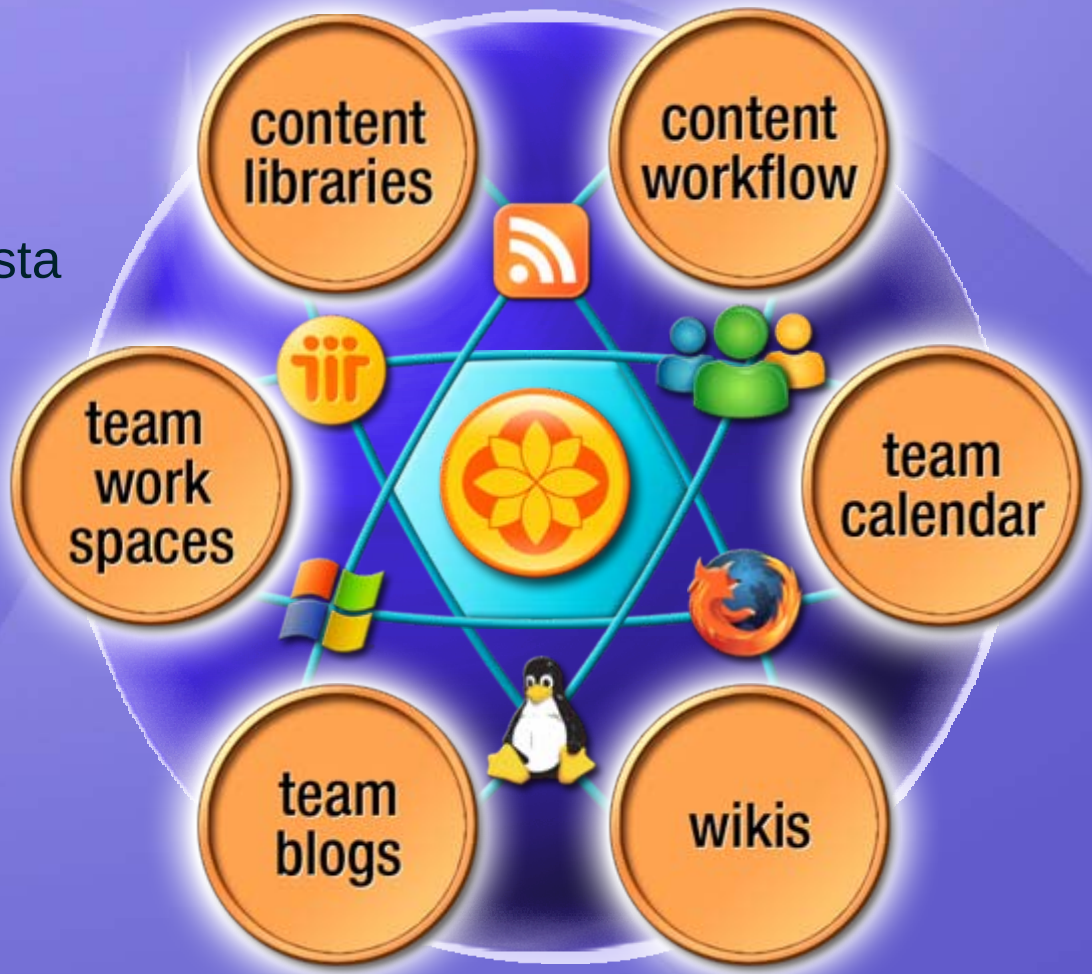
Connectors for Quickr

- 6 Connectors
  1. MS File System
  2. MS Office
  3. Lotus Notes
  4. Sametime
  5. Portal / Browser
  6. Outlook
- Backend Libraries
  1. Domino
  2. J2EE (Portal)
  3. FileNet
  4. Sharepoint
  5. JCR / Java



Lotus Quickr

- Quickr Connectors
  - Lotus Notes 7.0.2 and 8
  - Sametime 7.5.1. above
  - Windows Explorer
  - Windows XP & Windows Vista
  - Microsoft Office
    - Office XP on Vista
    - Office 2003/2007 in Windows XP/Vista
  - IBM Productivity Tools
  - RSS / Atom
  - MS Outlook



Lotus Quickr
connectors
services
Content Service Bus
content repositories
content repositories
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Lotus Quickr
WebSphere Portal Version 6.0
Java
NSF
FileNet
An IBM Company
Microsoft Windows SharePoint Services

Library - Rennovations Product Place - IBM Lotus Quickr - Windows Internet Explorer

http://quickr.renovations.com/lotus/myquickr/rennovations-product-place/library/!ut/p/c1/04_SB8K8xLLM9MSSzPy8xBz9CP0

Live Search

Links | Customize Links | Dogear | Domino | Lotus Quickr | Portal Renovations | Profiles-Search | dogear this | Add to community | apdemo | Newport

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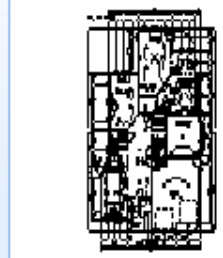
Page | Tools

CAD Drawing floor.DXF

Drag desktop



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WebSite Viso File
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210 FILTERS W/O PARENT APP

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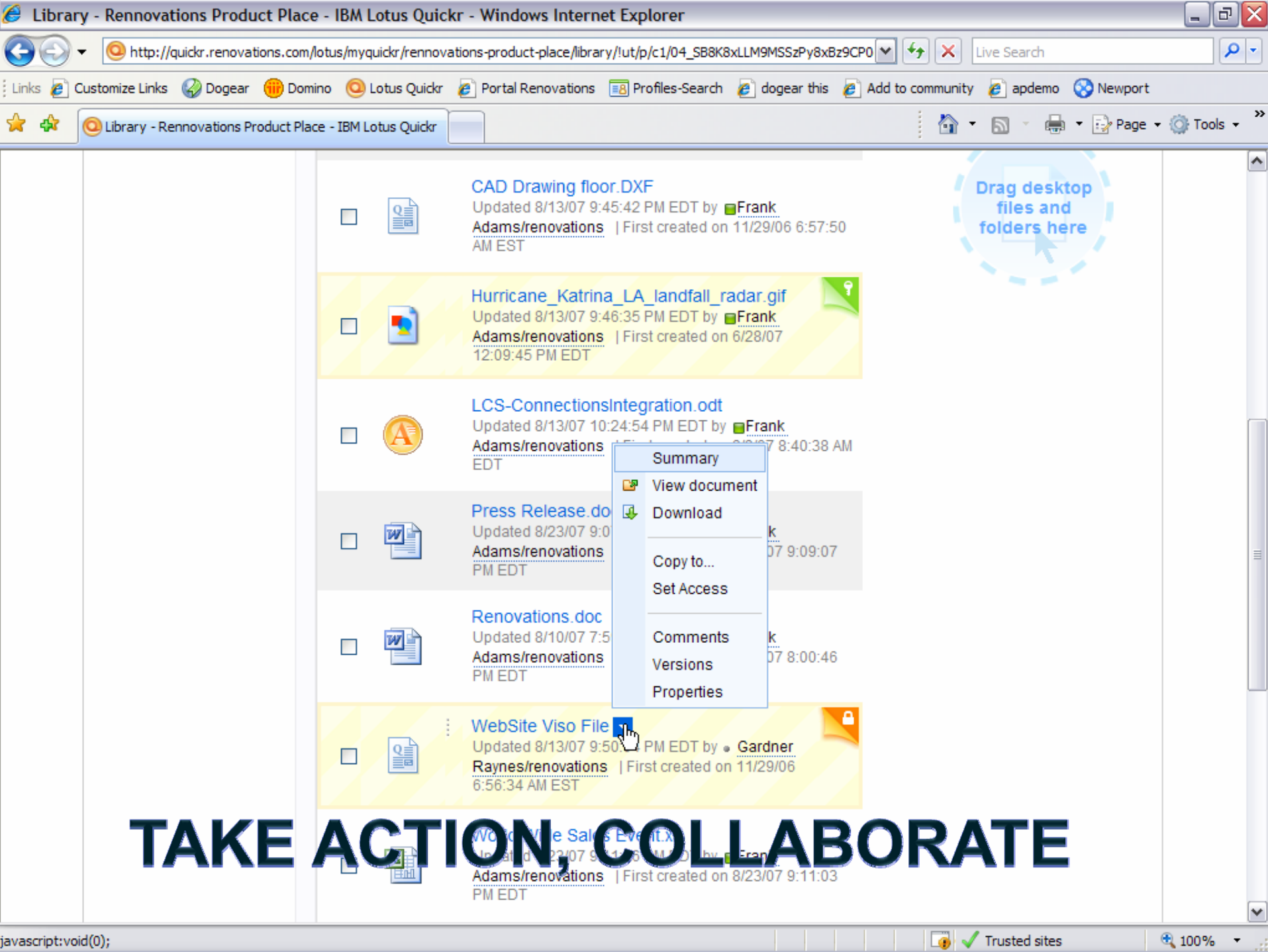
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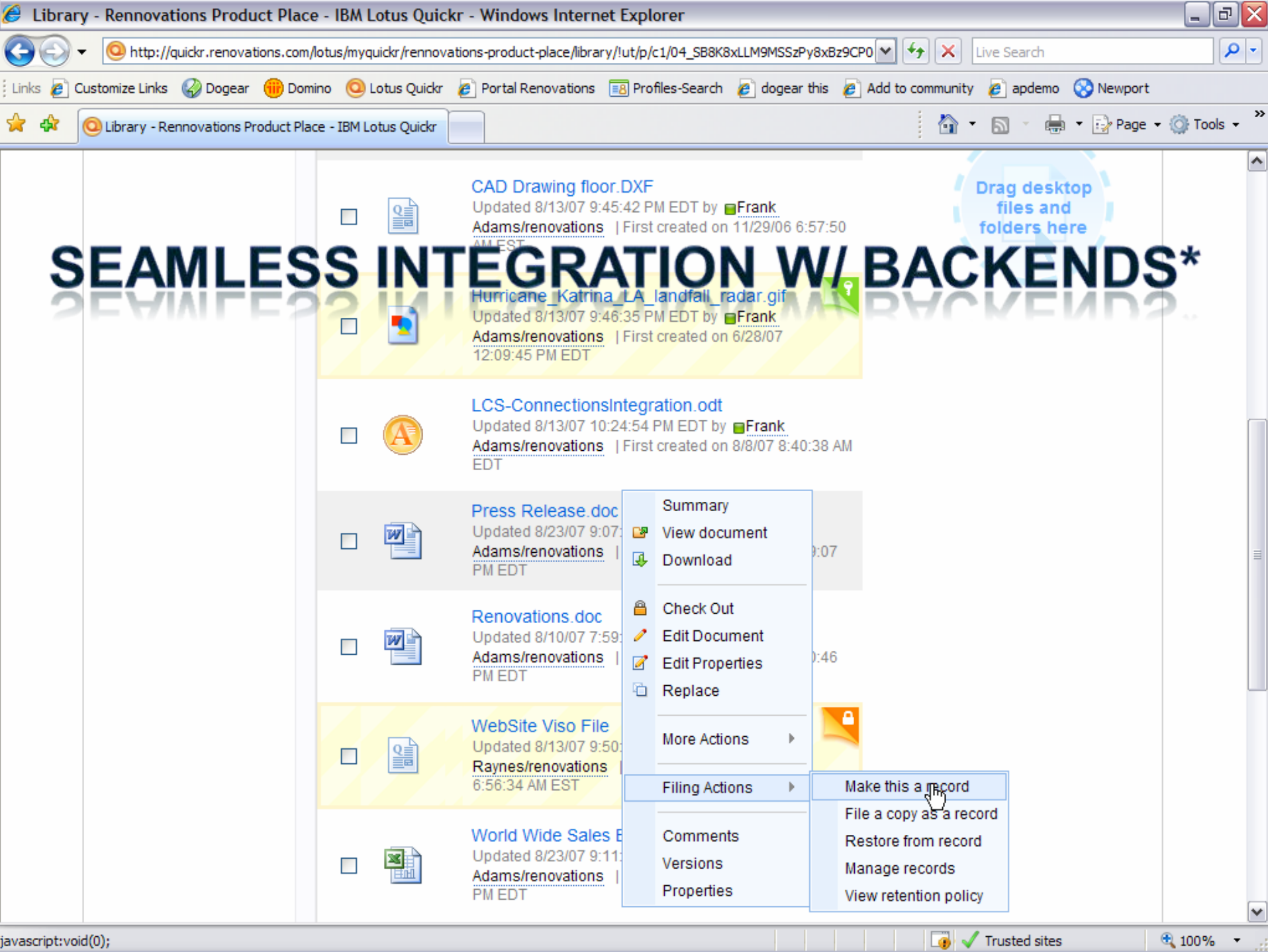
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Lotus Quickr
Portal Renovations
Profiles-Search
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SEAMLESS INTEGRATION W/ BACKENDS*
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Manage records
View retention policy
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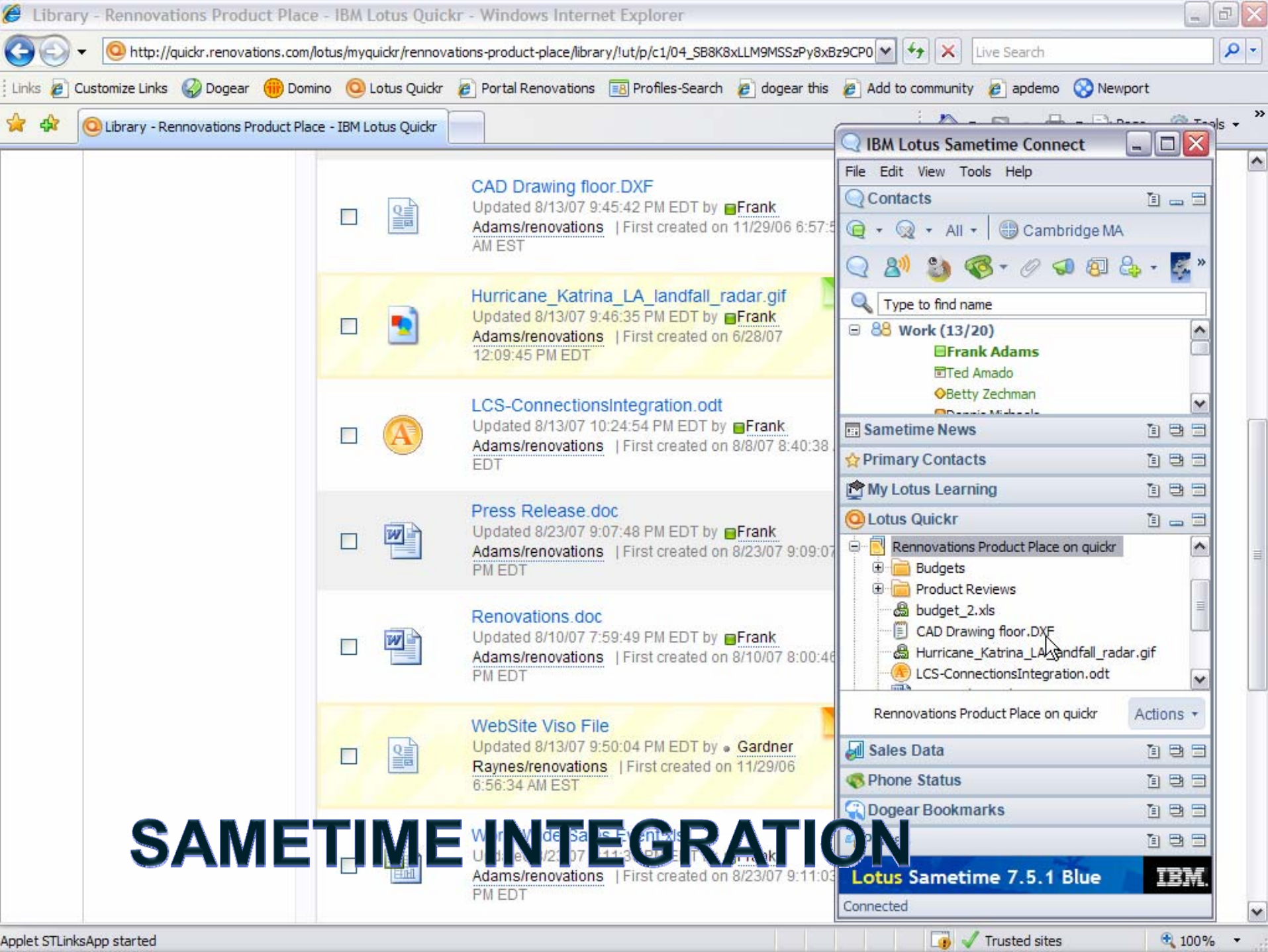
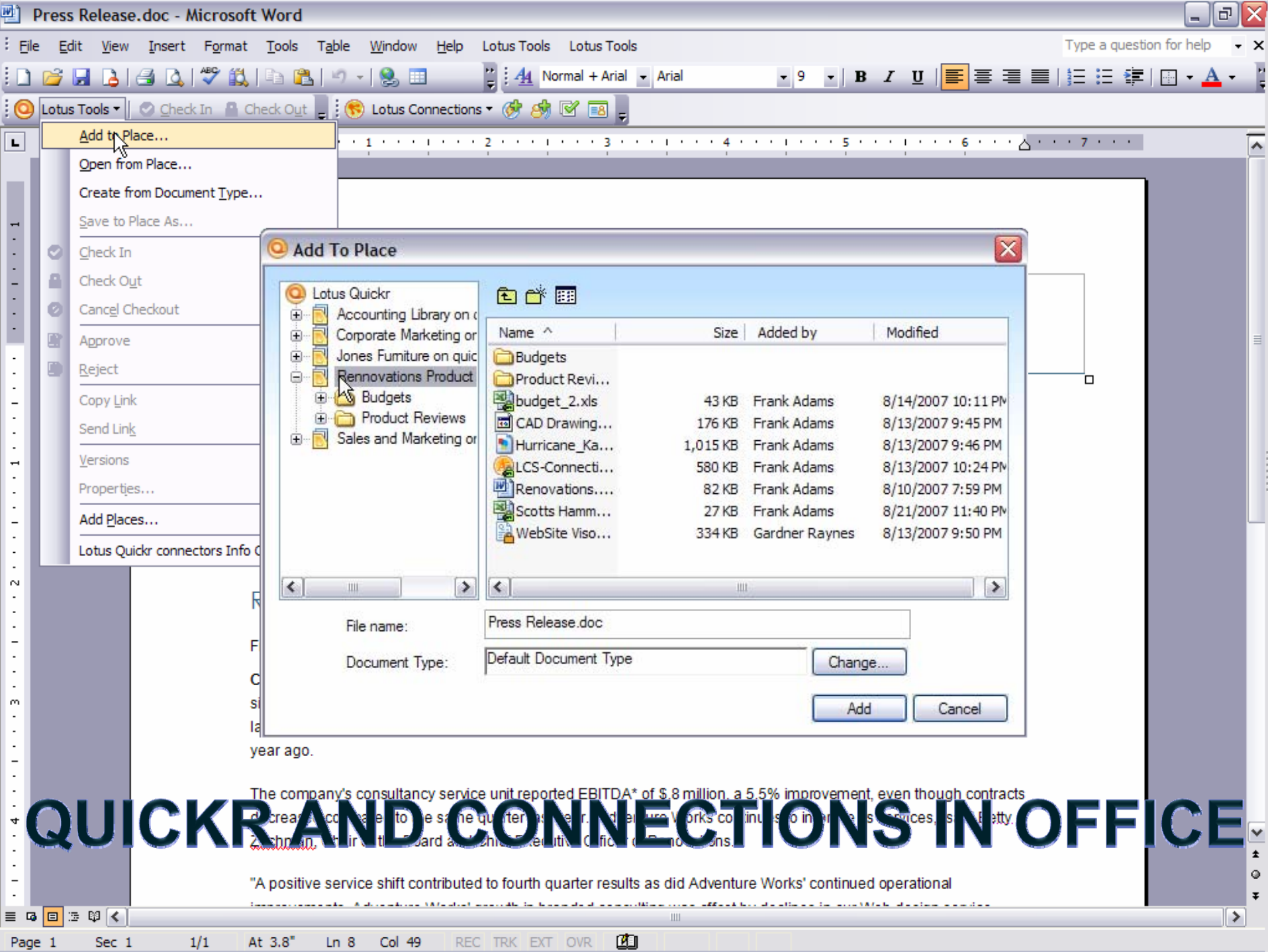


SAMETIME INTEGRATION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Check In
Check Out
Lotus Connections
Add to Place...
Open from Place...
Create from Document Type...
Save to Place As...
Check In
Check Out
Cancel Checkout
Approve
Reject
Copy Link
Send Link
Versions
Properties...
Add Places...
Lotus Quickr connectors Info
Add To Place
Lotus Quickr
Accounting Library on
Corporate Marketing or
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Budgets
Product Reviews
Sales and Marketing or
Name
Size
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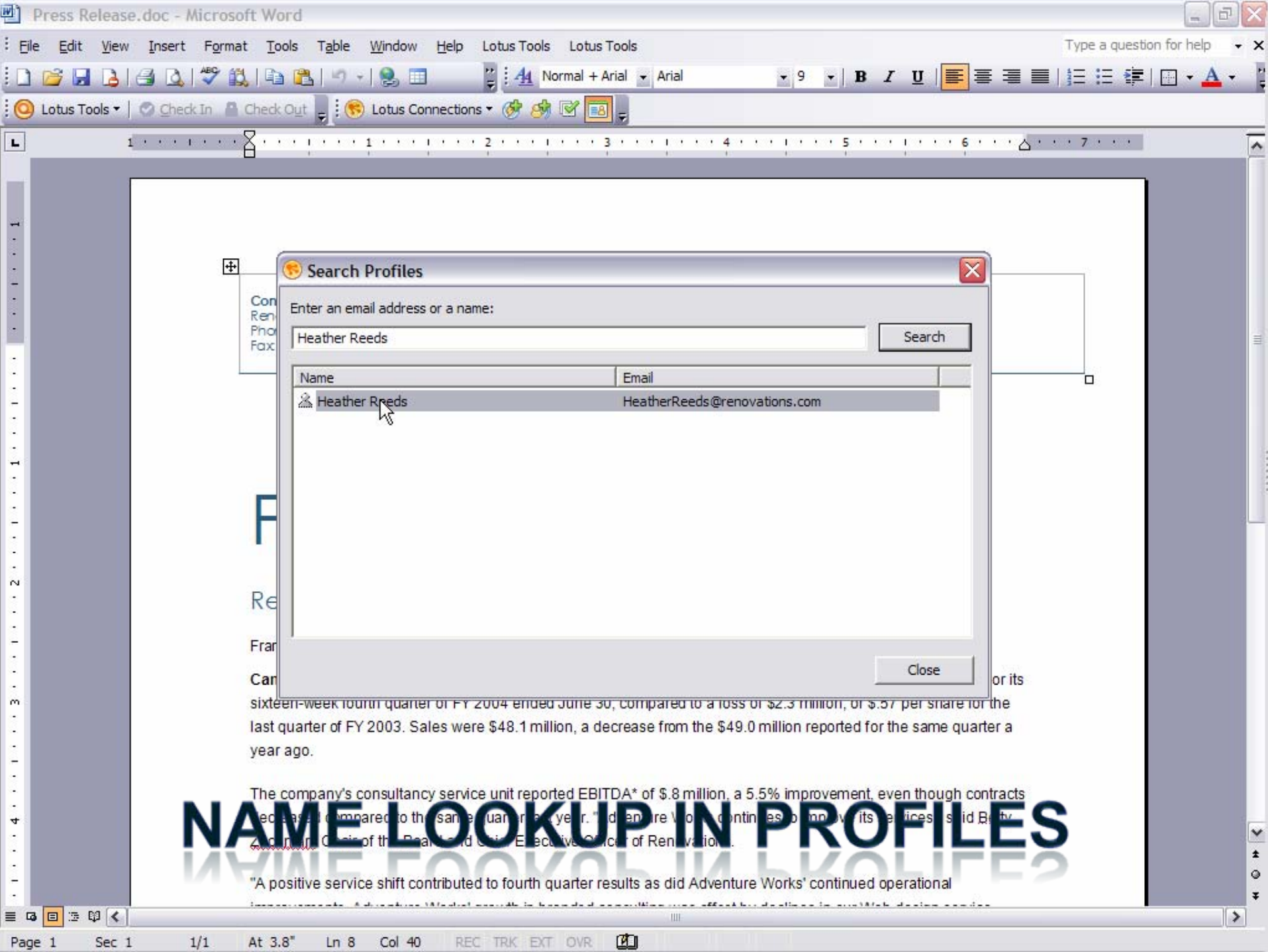
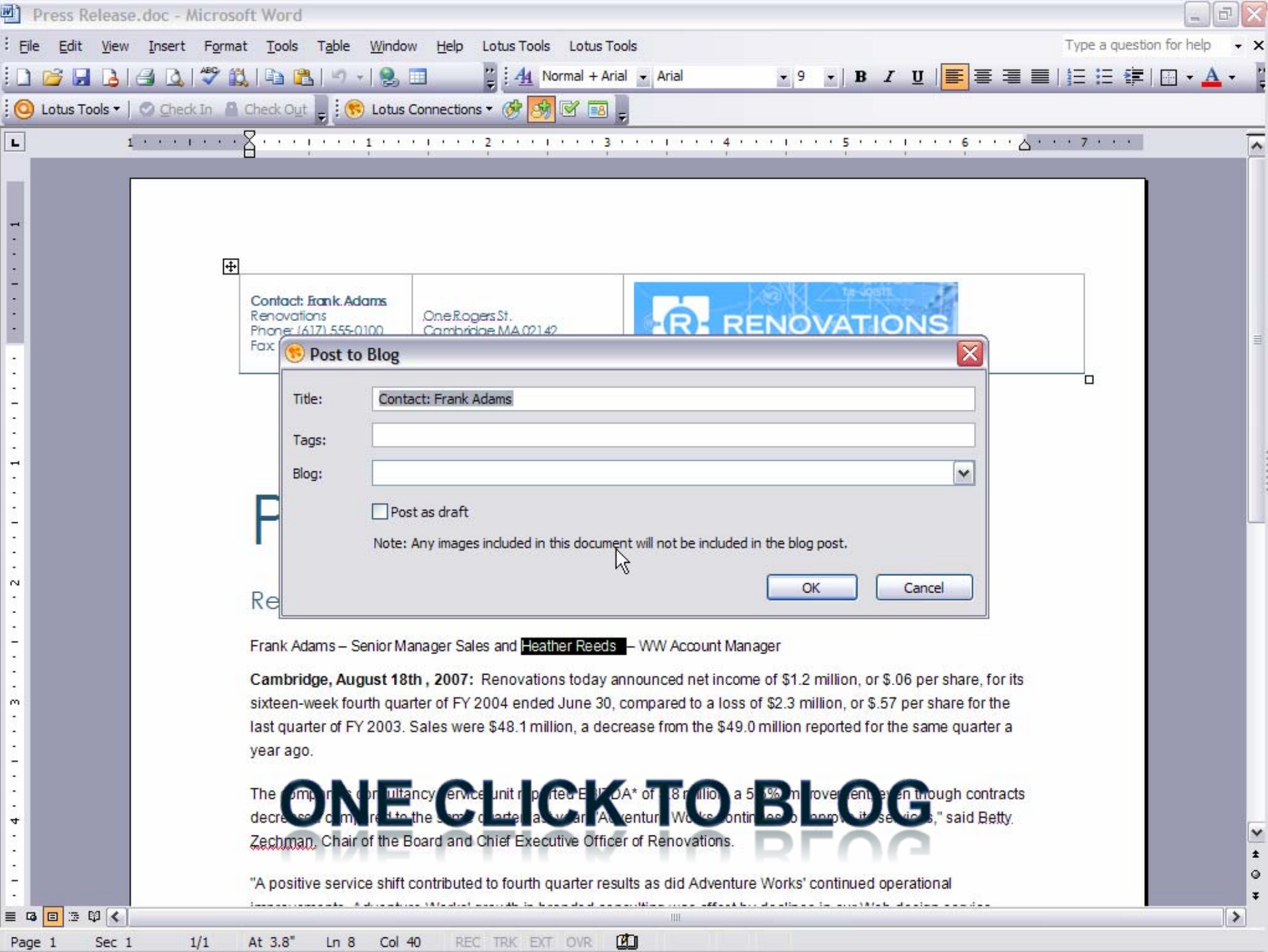
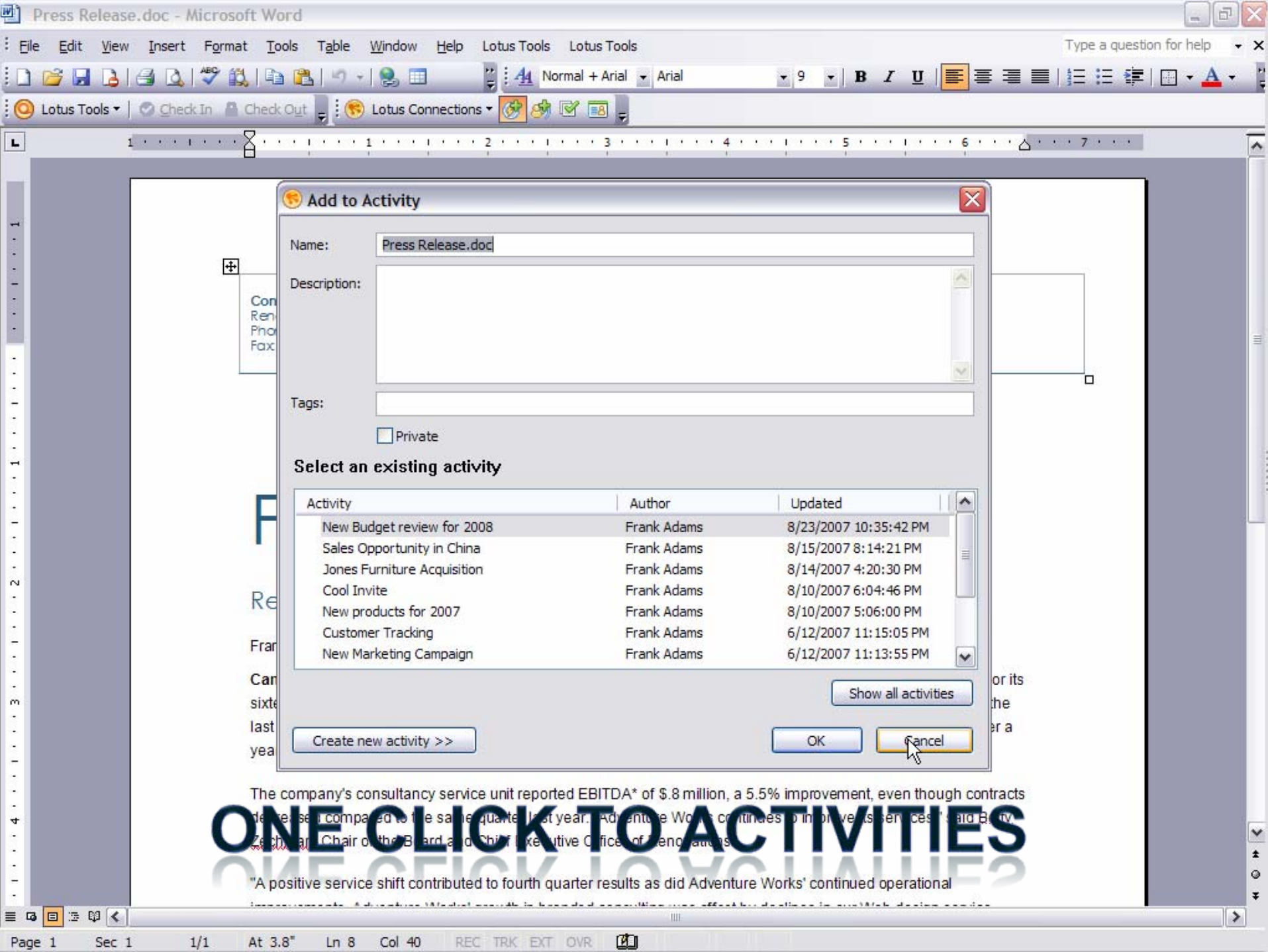
Budgets
Product Revi...
budget_2.xls 43 KB Frank Adams 8/14/2007 10:11 PM
CAD Drawing... 176 KB Frank Adams 8/13/2007 9:45 PM
Hurricane_Ka... 1,015 KB Frank Adams 8/13/2007 9:46 PM
LCS-Connecti... 580 KB Frank Adams 8/13/2007 10:24 PM
Renovations.... 82 KB Frank Adams 8/10/2007 7:59 PM
Scotts Hamm... 27 KB Frank Adams 8/21/2007 11:40 PM
WebSite Viso... 334 KB Gardner Raynes 8/13/2007 9:50 PM
File name:
Press Release.doc
Document Type:
Default Document Type
Change...
Add
Cancel
year ago.
The company's consultancy service unit reported EBITDA* of $.8 million, a 5.5% improvement, even though contracts
"A positive service shift contributed to fourth quarter results as did Adventure Works' continued operational
QUICKR AND CONNECTIONS IN OFFICE
Page 1 Sec 1 1/1 At 3.8" Ln 8 Col 49 REC TRK EXT OVR

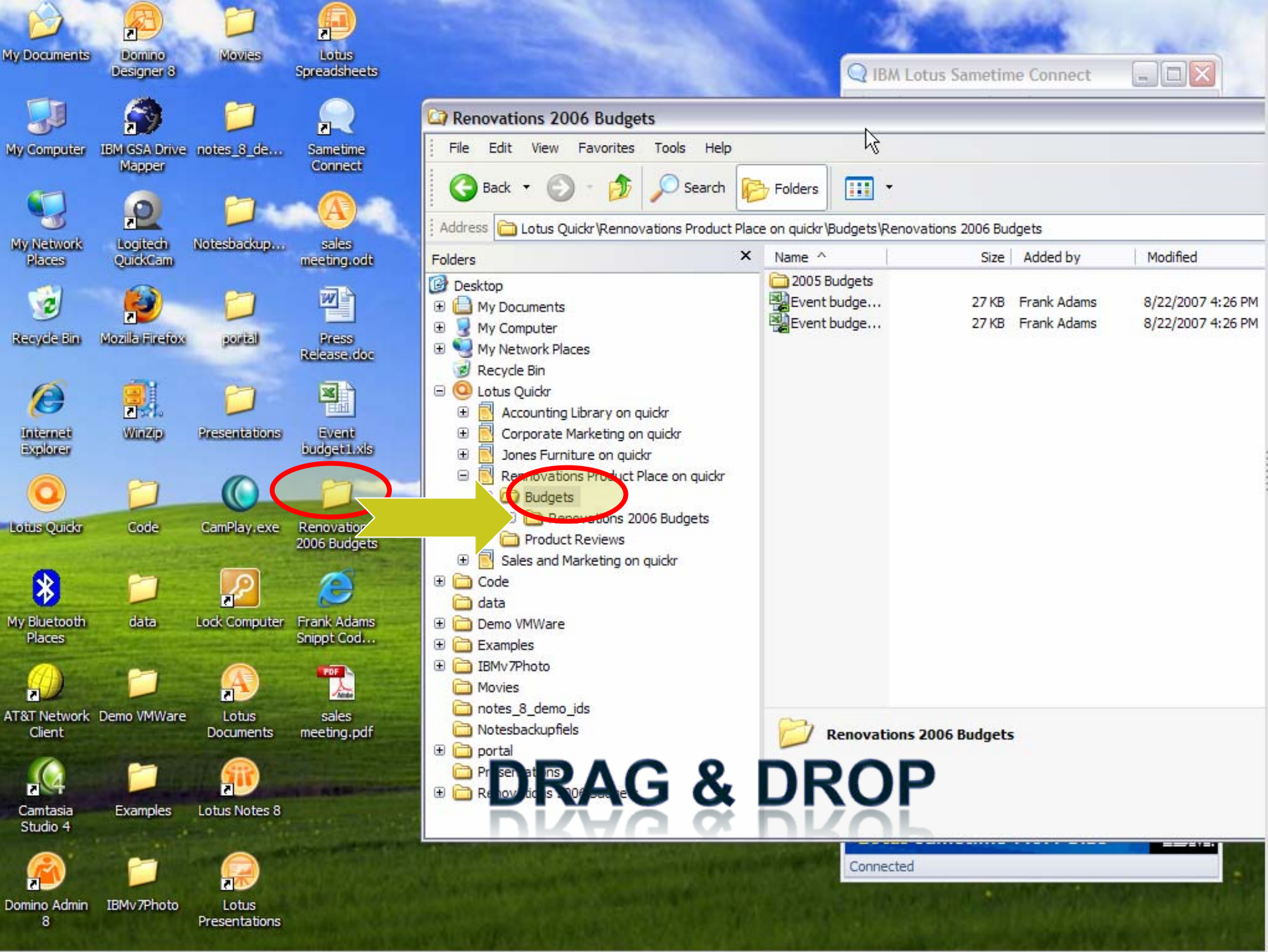


NAME LOOKUP IN PROFILES


Press Release.doc - Microsoft Word
File Edit View Insert Format Tools Table Window Help Lotus Tools Lotus Tools
Type a question for help
Normal + Arial
Arial
9
Lotus Tools
Check In
Check Out
Lotus Connections
Contact: Frank Adams
Renovations
Phone: (617) 555-0100
Fax:
One Rogers St.
Cambridge MA 02142
RENOVATIONS
Post to Blog
Title:
Contact: Frank Adams
Tags:
Blog:
Post as draft
Note: Any images included in this document will not be included in the blog post.
OK
Cancel
Frank Adams – Senior Manager Sales and Heather Reeds – WW Account Manager
Cambridge, August 18th , 2007: Renovations today announced net income of $1.2 million, or $.06 per share, for its sixteen-week fourth quarter of FY 2004 ended June 30, compared to a loss of $2.3 million, or $.57 per share for the last quarter of FY 2003. Sales were $48.1 million, a decrease from the $49.0 million reported for the same quarter a year ago.
ONE CLICK TO BLOG
Zechman, Chair of the Board and Chief Executive Officer of Renovations.
"A positive service shift contributed to fourth quarter results as did Adventure Works' continued operational
Page 1 Sec 1 1/1 At 3.8" Ln 8 Col 40 REC TRK EXT OVR



ONE CLICK TO ACTIVITIES


My Documents
Domino Designer 8
Movies
Lotus Spreadsheets
My Computer
IBM GSA Drive Mapper
notes_8_de...
Sametime Connect
My Network Places
Logitech QuickCam
Notesbackup...
sales meeting.odt
Recycle Bin
Mozilla Firefox
portal
Press Release.doc
Internet Explorer
WinZip
Presentations
Event budget1.xls
Lotus Quickr
Code
CamPlay.exe
Renovation 2006 Budgets
My Bluetooth Places
data
Lock Computer
Frank Adams Snippt Cod...
AT&T Network Client
Demo VMWare
Lotus Documents
sales meeting.pdf
Camtasia Studio 4
Examples
Lotus Notes 8
Domino Admin 8
IBMv7Photo
Lotus Presentations
IBM Lotus Sametime Connect
Renovations 2006 Budgets
File Edit View Favorites Tools Help
Back
Search
Folders
Address
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Folders
Desktop
My Documents
My Computer
My Network Places
Recycle Bin
Lotus Quickr
Accounting Library on quickr
Corporate Marketing on quickr
Jones Furniture on quickr
Budgets
Product Reviews
Sales and Marketing on quickr
Code
data
Demo VMWare
Examples
IBMv7Photo
Movies
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Modified
2005 Budgets
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27 KB
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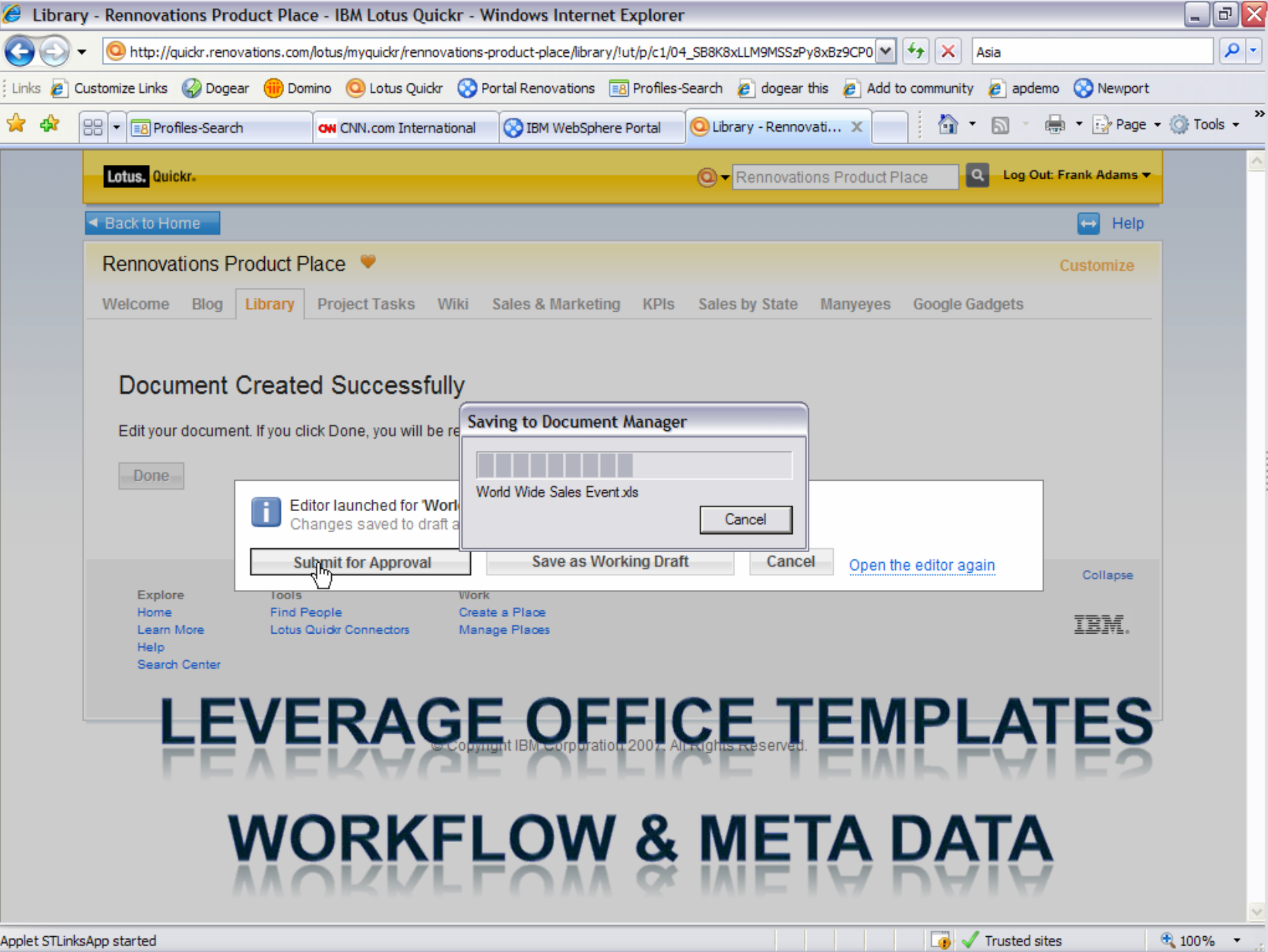
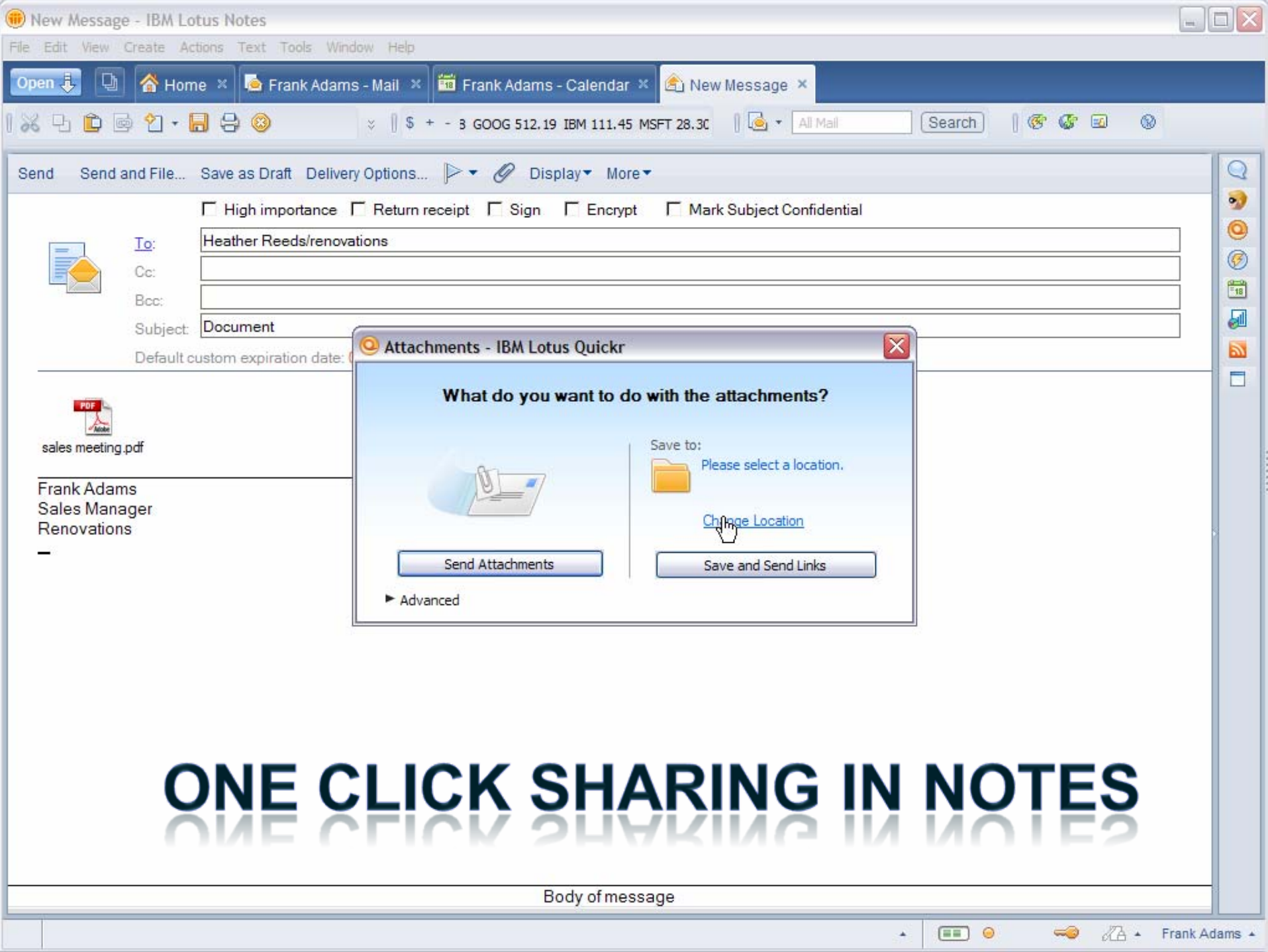
8/22/2007 4:26 PM
Event budge...
27 KB
Frank Adams
8/22/2007 4:26 PM
Renovations 2006 Budgets
DRAG & DROP
Connected


Library - Rennovations Product Place - IBM Lotus Quickr - Windows Internet Explorer
http://quickr.renovations.com/lotus/myquickr/rennovations-product-place/library/!ut/p/c1/04_SB8K8xLLM9MSSzPy8xBz9CP0
Asia
Links
Customize Links
Dogear
Domino
Lotus Quickr
Portal Renovations
Profiles-Search
dogear this
Add to community
apdemo
Newport
Profiles-Search
CNN.com International
IBM WebSphere Portal
Library - Rennovati...
Page
Tools
Lotus. Quickr.
Rennovations Product Place
Log Out: Frank Adams
Back to Home
Help
Rennovations Product Place
Customize
Welcome
Blog
Library
Project Tasks
Wiki
Sales & Marketing
KPIs
Sales by State
Manyeyes
Google Gadgets
Document Created Successfully
Edit your document. If you click Done, you will be re
Done
Saving to Document Manager
World Wide Sales Event.xls
Cancel
Editor launched for 'Worl
Changes saved to draft a
Submit for Approval
Save as Working Draft
Cancel
Open the editor again
Collapse
Explore
Home
Learn More
Help
Search Center
Tools
Find People
Lotus Quickr Connectors
Work
Create a Place
Manage Places
IBM.
LEVERAGE OFFICE TEMPLATES
© Copyright IBM Corporation 2007. All Rights Reserved.
WORKFLOW & META DATA
Applet STLinksApp started
Trusted sites
100%


New Message - IBM Lotus Notes
File Edit View Create Actions Text Tools Window Help
Open
Home
Frank Adams - Mail
Frank Adams - Calendar
New Message
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All Mail
Search
Send
Send and File...
Save as Draft
Delivery Options...
Display
More
High importance
Return receipt
Sign
Encrypt
Mark Subject Confidential
To:
Heather Reeds/renovations
Cc:
Bcc:
Subject:
Document
Default custom expiration date:
sales meeting.pdf
Frank Adams
Sales Manager
Renovations
Attachments - IBM Lotus Quickr
What do you want to do with the attachments?
Save to:
Please select a location.
Change Location
Send Attachments
Save and Send Links
Advanced
ONE CLICK SHARING IN NOTES
Body of message
Frank Adams

Lotus Quickr - IBM Lotus Notes

File Edit View Tools Window Help

Open | Home | Replication | Chris Crummey - Calendar | Chris Crummey - Mail | New Message | > Re: URGENT: Re: cvs latest...

$ + - IBM 117.34 SUN 74.78 MSFT 29.63 GO

All Mail | Search

New | Reply | Reply to All | Forward | Display | More

5.) References | 7.) Demo Team | KM & H2\Demo

Re: URGENT: Re: cvs latest swg version

Brian Chaput to: Gary Dolsen

09/26/2007 01:27 PM

Cc: Chris Crummey, John Dyer, Kerry McCarthy

Show Details

Default custom expiration date: 09/25/2008

Gary,

I provided Kerry much of the same information, with the inclusion of another slide highlighting IDC statement that IBM is #1 in portal, as well:

Link to Portal leadership Sept07.ppt

Go to Document Summary page

Brian Chaput
Offering Manager
IBM Collaboration & Enterprise Suite Accelerators for WebSphere Portal
IBM Software Group
Email: bchaput@us.ibm.com
T: 603-488-0563 M: 603-930-7960

IBM WebSphere Portal

Accelerate Your Business

Gary Dolsen/Boulder/IBM

Sametime Contacts
Sidekick
Bluepages Client fo...
NetmeetingView
Lotus Quickr

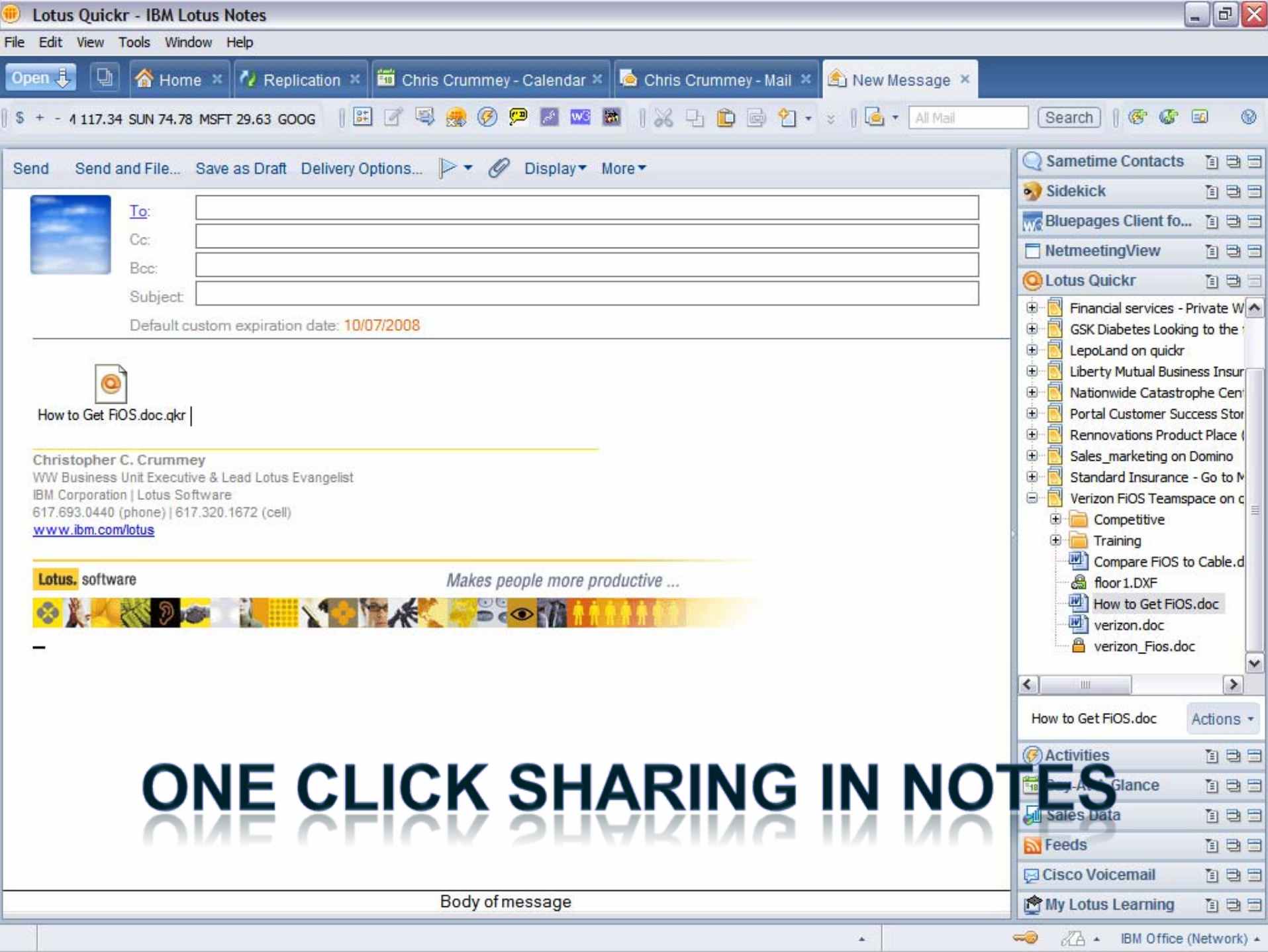
- Liberty Mutual Business Insur
- Nationwide Catastrophe Cen
- Portal Customer Success Stor
  - Gartner Las Vegas
  - Heath Care
  - WebSphere Portal Tech C
  - AO Foundation.ppt
  - Bayer Conference Stuttg
  - BayerPortal NEU.ppt
  - Copy of WP Powered UR
  - Finnair (Ismo Turunen).p
  - GAP screen captures.ppt
  - GAP.ppt
  - Haworth.ppt
  - Help Desk Portal Vision.d
  - IBM kickoff.7.25.ppt
  - Mayo Clinic.ppt
  - NYSE Intranet Portal.zip

Portal Customer Success | Actions

Activities
At a Glance
Sales Data
Feeds
Cisco Voicemail
My Lotus Learning

IBM Office (Network)

ONE CLICK SHARING IN NOTES


Lotus Quickr - IBM Lotus Notes
File Edit View Tools Window Help
Open
Home
Replication
Chris Crummey - Calendar
Chris Crummey - Mail
New Message
Search
Send
Send and File...
Save as Draft
Delivery Options...
Display
More
To:
Cc:
Bcc:
Subject:
Default custom expiration date: 10/07/2008
How to Get FiOS.doc.qkr
Christopher C. Crummey
WW Business Unit Executive & Lead Lotus Evangelist
IBM Corporation | Lotus Software
617.693.0440 (phone) | 617.320.1672 (cell)
www.ibm.com/lotus
Lotus. software
Makes people more productive ...
Body of message
Sametime Contacts
Sidekick
Bluepages Client fo...
NetmeetingView
Lotus Quickr
Financial services - Private W
GSK Diabetes Looking to the
LepoLand on quickr
Liberty Mutual Business Insur
Nationwide Catastrophe Cen
Portal Customer Success Stor
Rennovations Product Place
Sales_marketing on Domino
Standard Insurance - Go to M
Verizon FiOS Teamspace on c
Competitive
Training
Compare FiOS to Cable.d
floor1.DXF
How to Get FiOS.doc
verizon.doc
verizon_Fios.doc
How to Get FiOS.doc
Actions
Activities
Sales Data
Feeds
Cisco Voicemail
My Lotus Learning
IBM Office (Network)
ONE CLICK SHARING IN NOTES

Introducing

Lotus Quickr Content Integrator

Microsoft Outlook public folders

Microsoft SharePoint sites

Lotus Domino Teamrooms

Lotus Domino Document Manager libraries

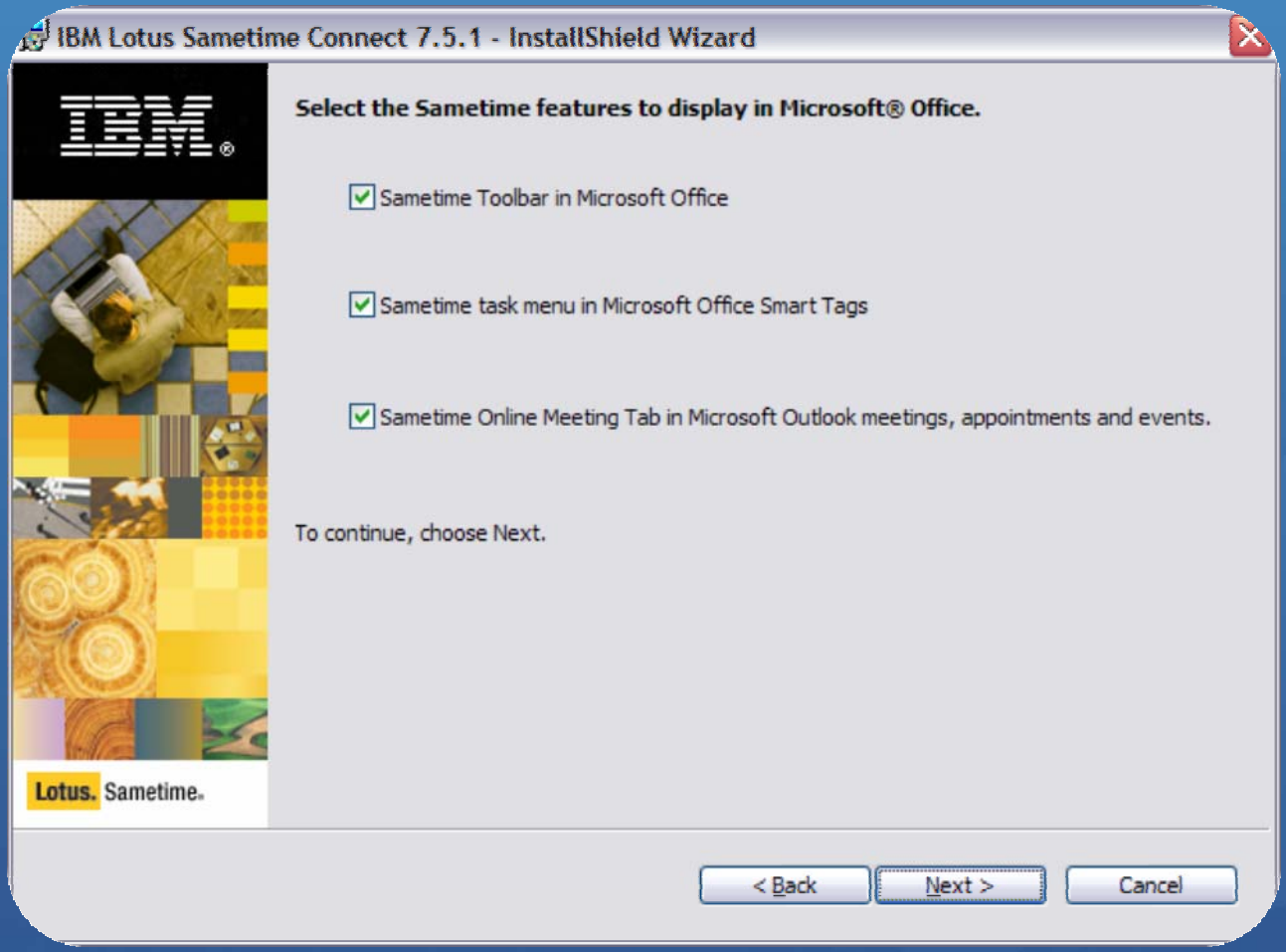
Lotus Quickr

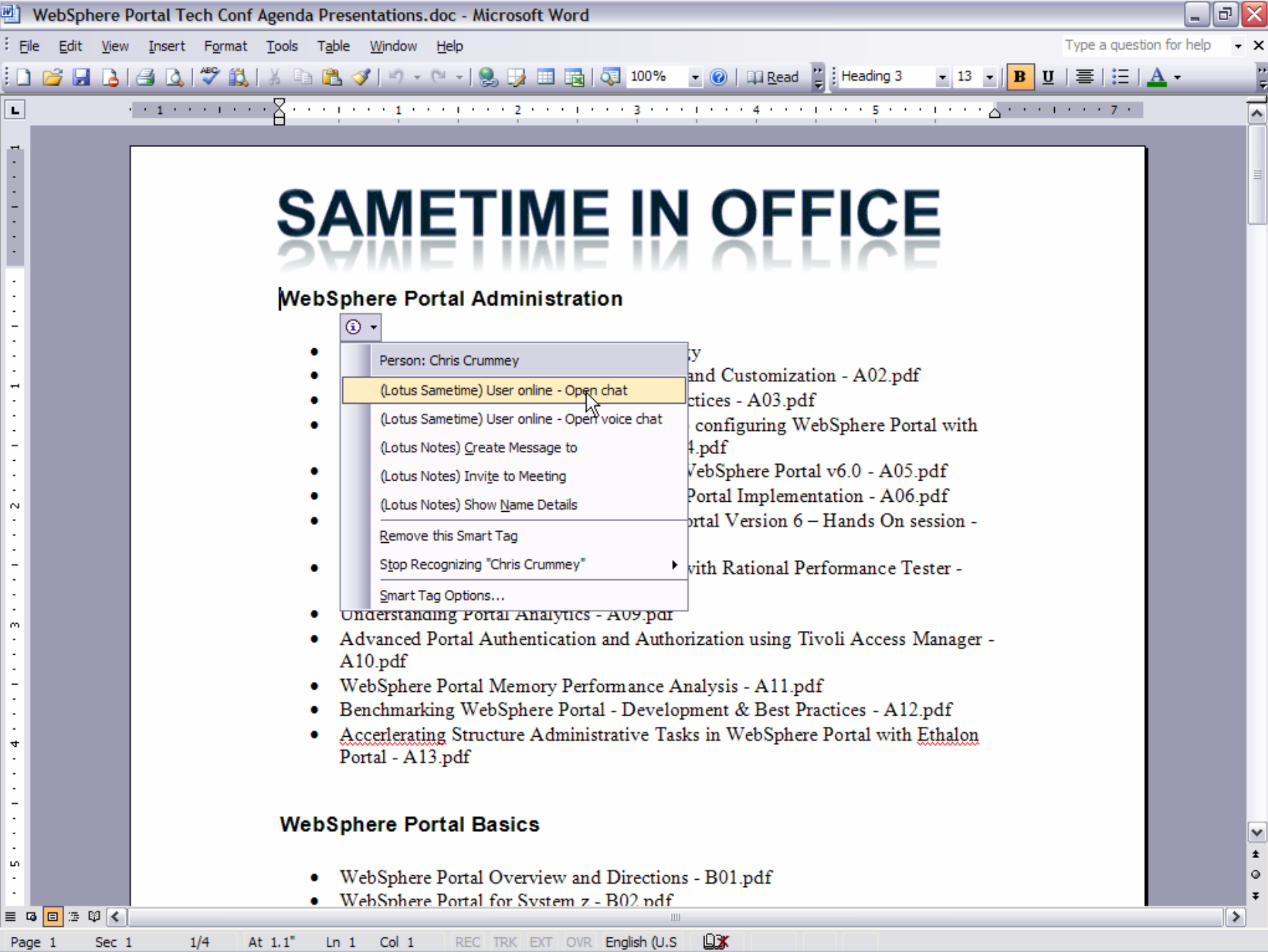
Content Integrator

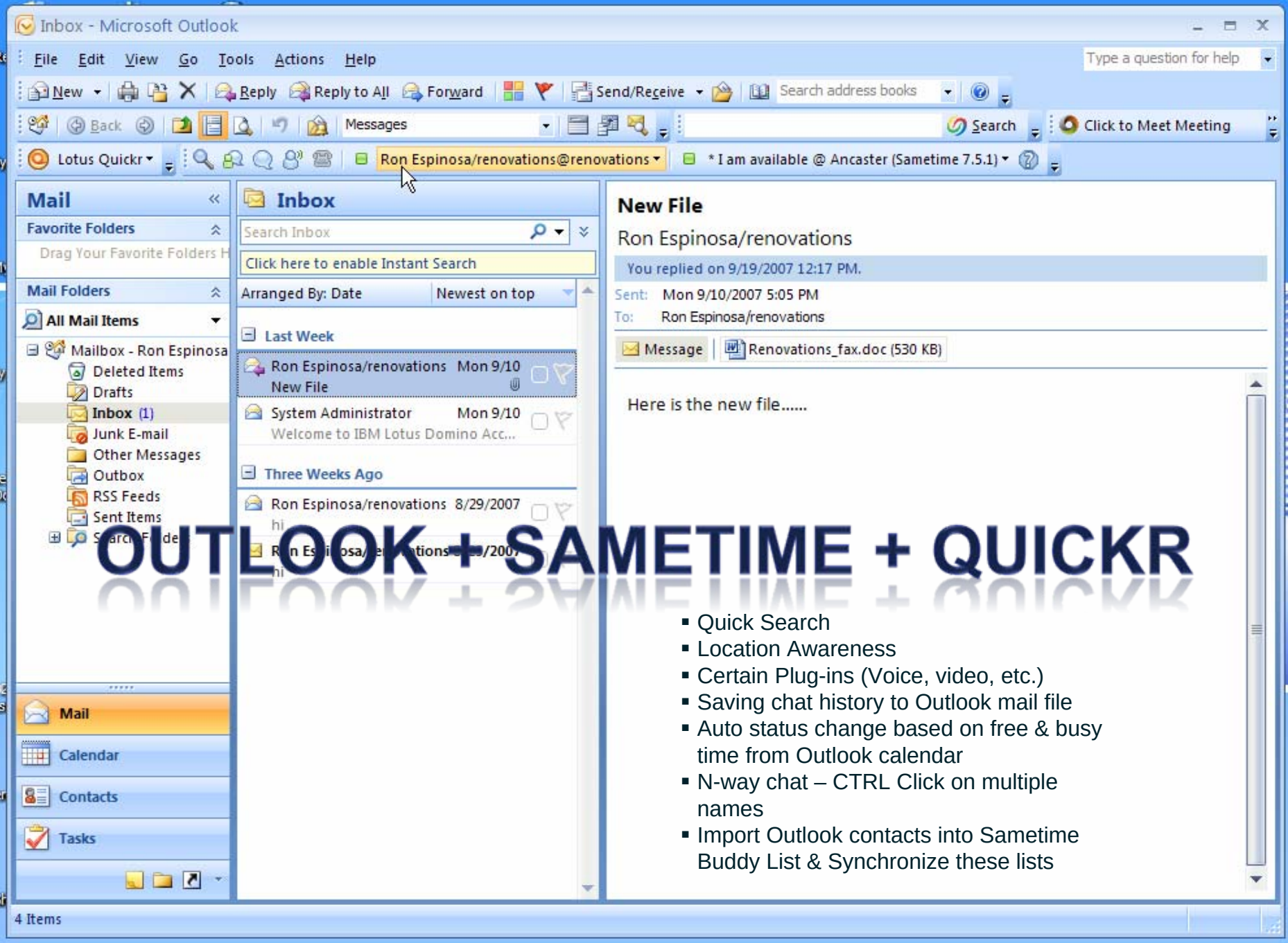
Lotus Quickr

Enterprise Content Management

Sametime Integration with Microsoft

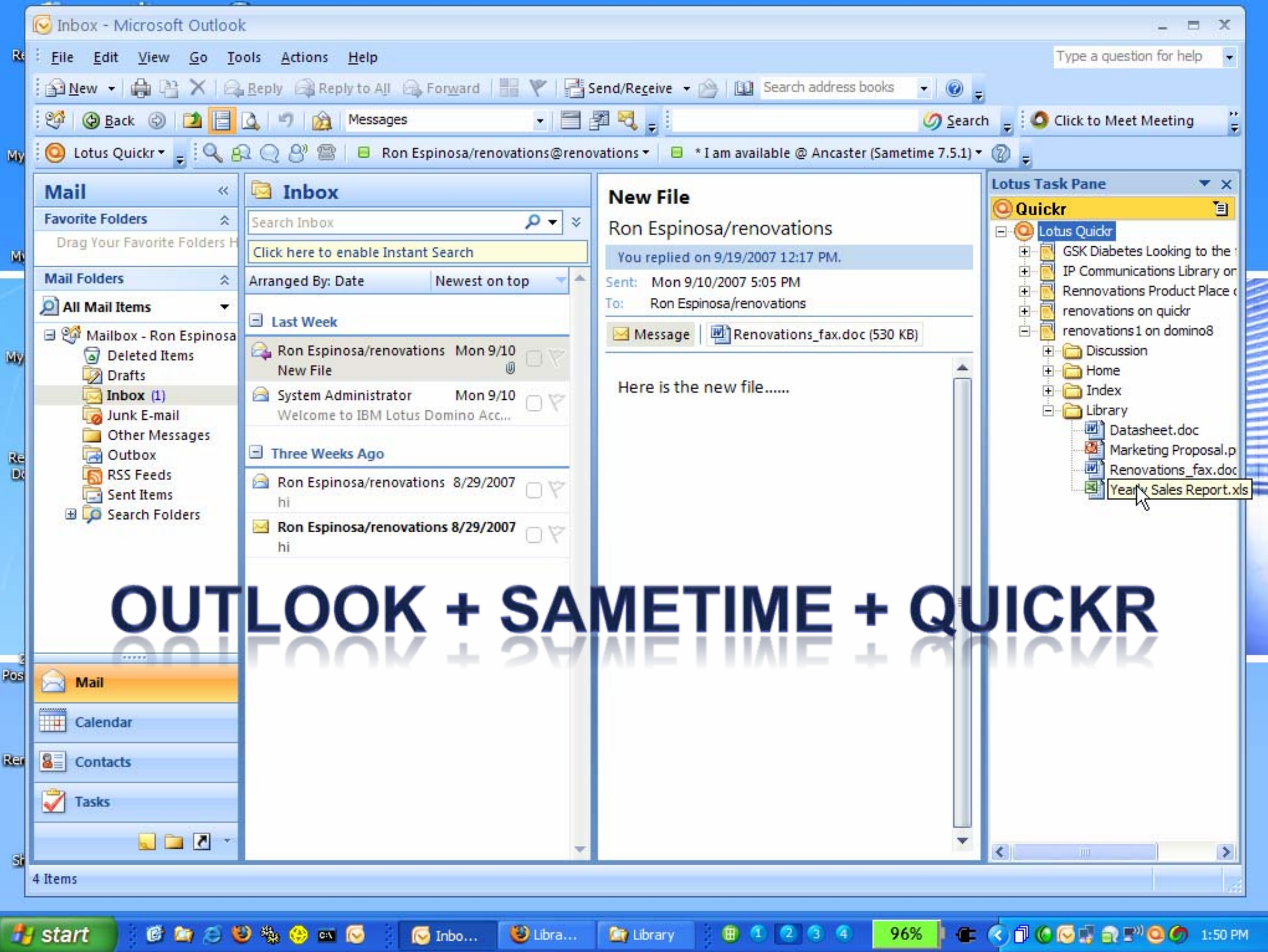



WebSphere Portal Tech Conf Agenda Presentations.doc - Microsoft Word
File Edit View Insert Format Tools Table Window Help
Type a question for help
100% Read Heading 3 13
SAMETIME IN OFFICE
WebSphere Portal Administration
Person: Chris Crummey
(Lotus Sametime) User online - Open chat
(Lotus Sametime) User online - Open voice chat
(Lotus Notes) Create Message to
(Lotus Notes) Invite to Meeting
(Lotus Notes) Show Name Details
Remove this Smart Tag
Stop Recognizing "Chris Crummey"
Smart Tag Options...
and Customization - A02.pdf
ctices - A03.pdf
configuring WebSphere Portal with
4.pdf
VebSphere Portal v6.0 - A05.pdf
Portal Implementation - A06.pdf
rtal Version 6 – Hands On session -
vith Rational Performance Tester -
Understanding Portal Analytics - A09.pdf
Advanced Portal Authentication and Authorization using Tivoli Access Manager - A10.pdf
WebSphere Portal Memory Performance Analysis - A11.pdf
Benchmarking WebSphere Portal - Development & Best Practices - A12.pdf
Accerlerating Structure Administrative Tasks in WebSphere Portal with Ethalon Portal - A13.pdf
WebSphere Portal Basics
WebSphere Portal Overview and Directions - B01.pdf
WebSphere Portal for System z - B02.pdf
Page 1 Sec 1 1/4 At 1.1" Ln 1 Col 1 REC TRK EXT OVR English (U.S



OUTLOOK + SAMETIME + QUICKR

- Quick Search
- Location Awareness
- Certain Plug-ins (Voice, video, etc.)
- Saving chat history to Outlook mail file
- Auto status change based on free & busy time from Outlook calendar
- N-way chat – CTRL Click on multiple names
- Import Outlook contacts into Sametime Buddy List & Synchronize these lists


Inbox - Microsoft Outlook
File Edit View Go Tools Actions Help
Type a question for help
New Reply Reply to All Forward Send/Receive Search address books
Back Messages Search Click to Meet Meeting
Lotus Quickr Ron Espinosa/renovations@renovations * I am available @ Ancaster (Sametime 7.5.1)
Mail
Favorite Folders
Drag Your Favorite Folders H
Mail Folders
All Mail Items
Mailbox - Ron Espinosa
Deleted Items
Drafts
Inbox (1)
Junk E-mail
Other Messages
Outbox
RSS Feeds
Sent Items
Search Folders
Inbox
Search Inbox
Click here to enable Instant Search
Arranged By: Date
Newest on top
Last Week
Ron Espinosa/renovations Mon 9/10
New File
System Administrator Mon 9/10
Welcome to IBM Lotus Domino Acc...
Three Weeks Ago
Ron Espinosa/renovations 8/29/2007
hi
Ron Espinosa/renovations 8/29/2007
hi
New File
Ron Espinosa/renovations
You replied on 9/19/2007 12:17 PM.
Sent: Mon 9/10/2007 5:05 PM
To: Ron Espinosa/renovations
Message
Renovations_fax.doc (530 KB)
Here is the new file.....
Lotus Task Pane
Quickr
Lotus Quickr
GSK Diabetes Looking to the
IP Communications Library or
Rennovations Product Place
renovations on quickr
renovations1 on domino8
Discussion
Home
Index
Library
Datasheet.doc
Marketing Proposal.p
Renovations_fax.doc
Year Sales Report.xls
OUTLOOK + SAMETIME + QUICKR
Mail
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Contacts
Tasks
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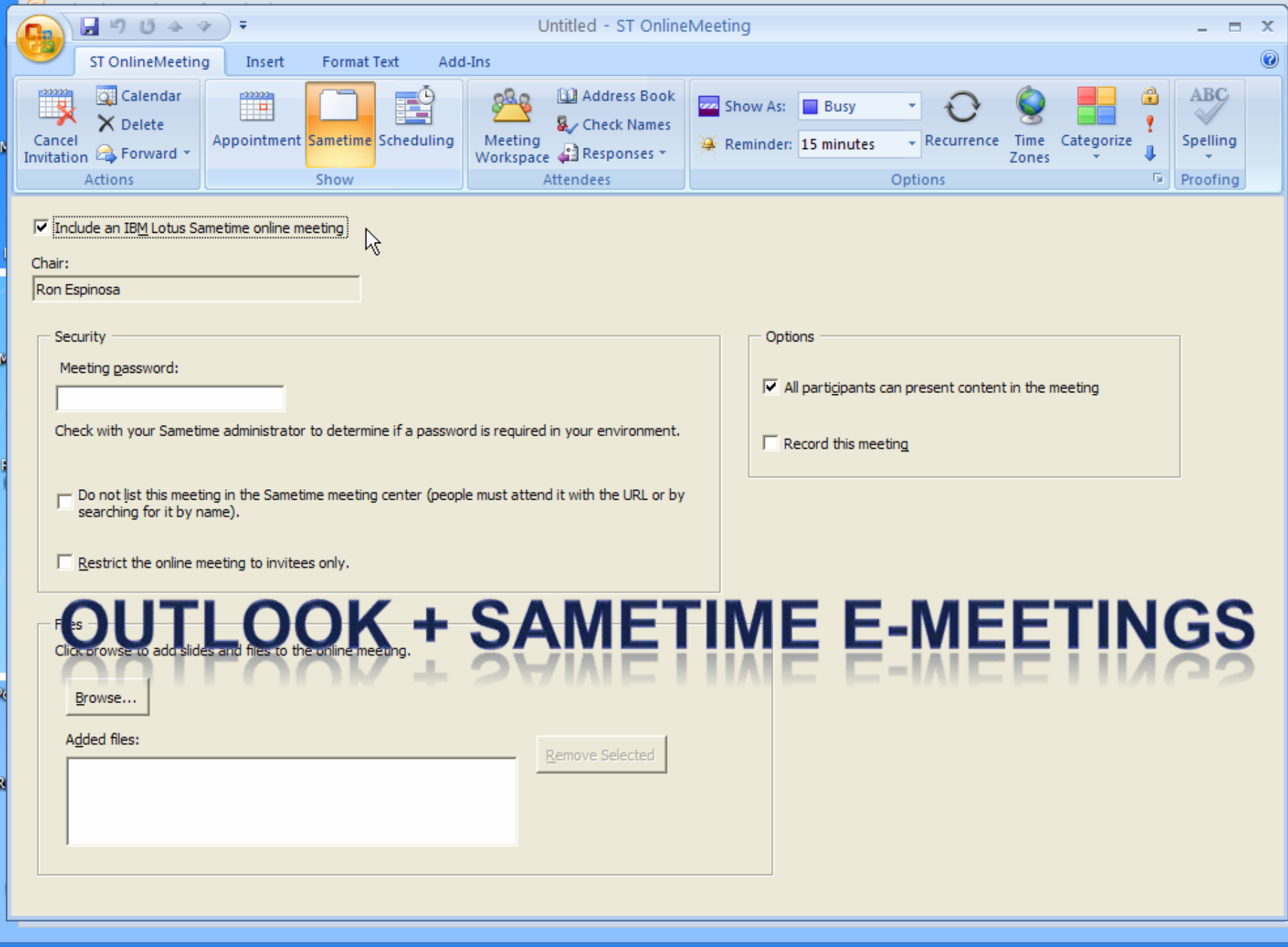
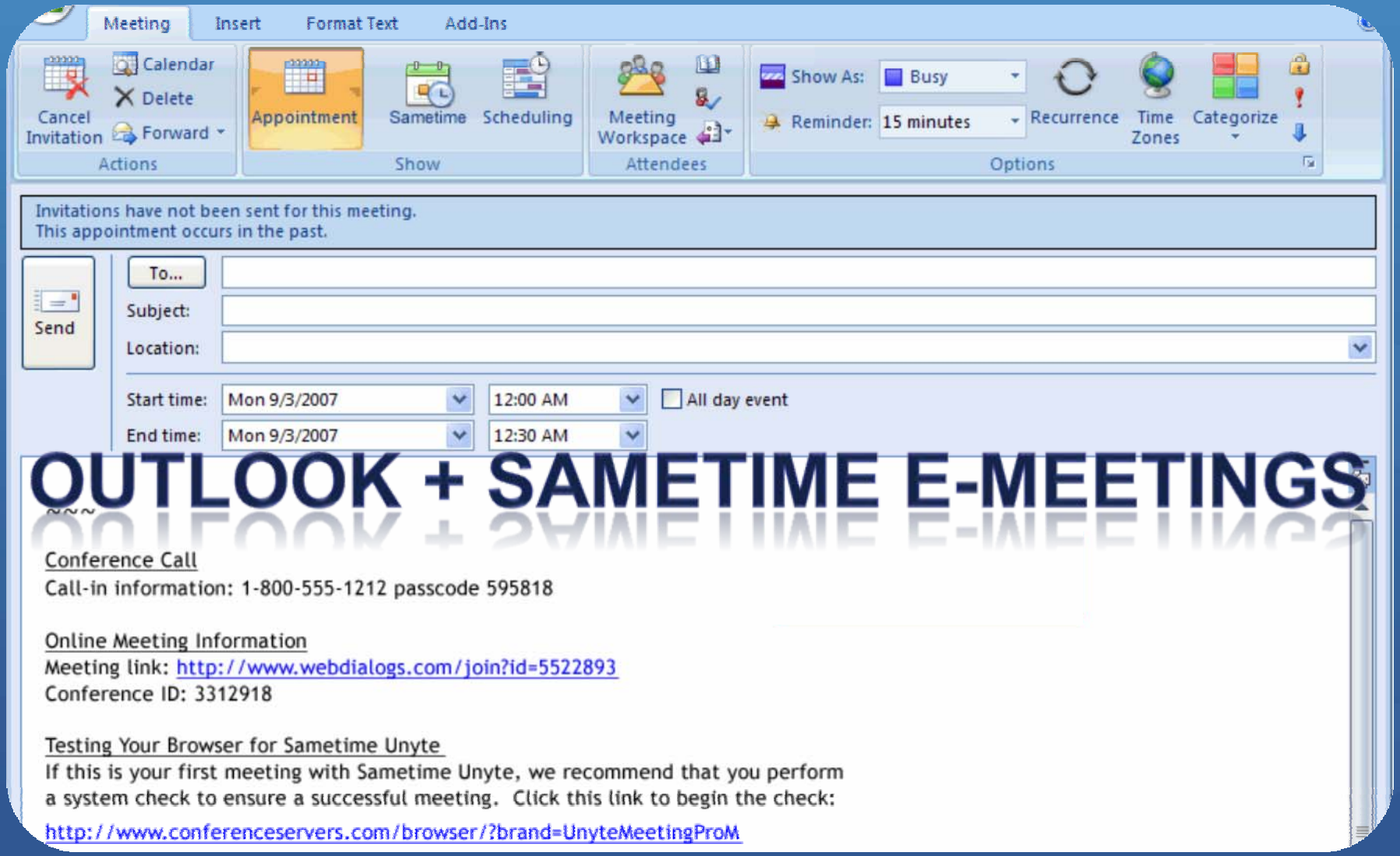
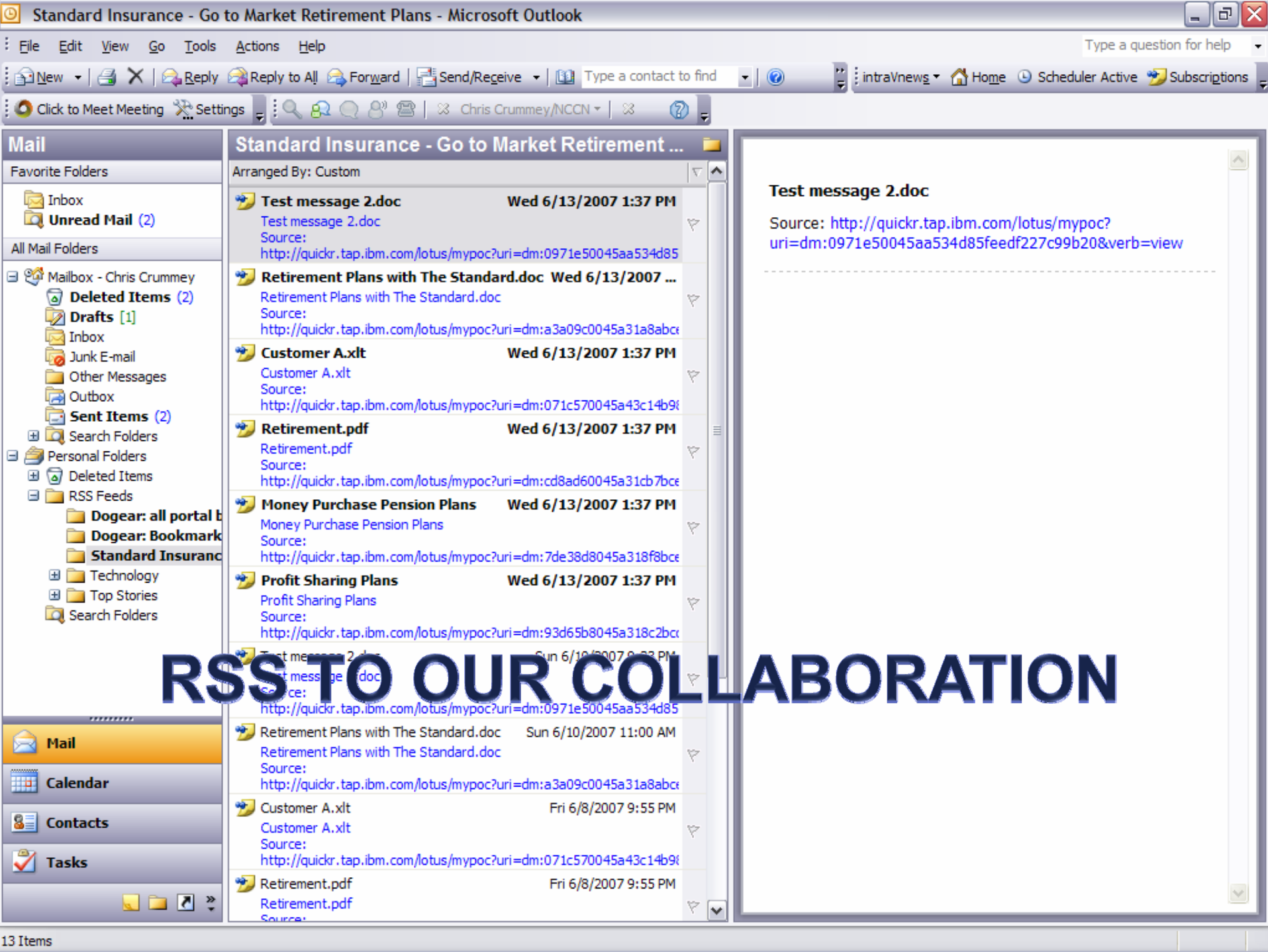

Untitled - ST OnlineMeeting
ST OnlineMeeting
Insert
Format Text
Add-Ins
Cancel Invitation
Calendar
Delete
Forward
Actions
Appointment
Sametime
Scheduling
Show
Meeting Workspace
Address Book
Check Names
Responses
Attendees
Show As:
Busy
Reminder:
15 minutes
Recurrence
Time Zones
Categorize
Options
Spelling
Proofing
Include an IBM Lotus Sametime online meeting
Chair:
Ron Espinosa
Security
Meeting password:
Check with your Sametime administrator to determine if a password is required in your environment.
Do not list this meeting in the Sametime meeting center (people must attend it with the URL or by searching for it by name).
Restrict the online meeting to invitees only.
Options
All participants can present content in the meeting
Record this meeting
OUTLOOK + SAMETIME E-MEETINGS
Click Browse to add slides and files to the online meeting.
Browse...
Added files:
Remove Selected

One click access from the invite




Standard Insurance - Go to Market Retirement Plans - Microsoft Outlook
File Edit View Go Tools Actions Help
Type a question for help
New Reply Reply to All Forward Send/Receive Type a contact to find intraVnews Home Scheduler Active Subscriptions
Click to Meet Meeting Settings Chris Crummey/NCCN
Mail
Favorite Folders
Inbox
Unread Mail (2)
All Mail Folders
Mailbox - Chris Crummey
Deleted Items (2)
Drafts [1]
Inbox
Junk E-mail
Other Messages
Outbox
Sent Items (2)
Search Folders
Personal Folders
Deleted Items
RSS Feeds
Dogear: all portal b
Dogear: Bookmark
Standard Insuranc
Technology
Top Stories
Search Folders
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Contacts
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Standard Insurance - Go to Market Retirement ...
Arranged By: Custom
Test message 2.doc Wed 6/13/2007 1:37 PM
Test message 2.doc
Source:
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Retirement Plans with The Standard.doc Wed 6/13/2007 ...
Retirement Plans with The Standard.doc
Source:
http://quickr.tap.ibm.com/lotus/mypoc?uri=dm:a3a09c0045a31a8abc
Customer A.xlt Wed 6/13/2007 1:37 PM
Customer A.xlt
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http://quickr.tap.ibm.com/lotus/mypoc?uri=dm:071c570045a43c14b9
Retirement.pdf Wed 6/13/2007 1:37 PM
Retirement.pdf
Source:
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Money Purchase Pension Plans Wed 6/13/2007 1:37 PM
Money Purchase Pension Plans
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Profit Sharing Plans Wed 6/13/2007 1:37 PM
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http://quickr.tap.ibm.com/lotus/mypoc?uri=dm:93d65b8045a318c2bc
Retirement Plans with The Standard.doc Sun 6/10/2007 11:00 AM
Retirement Plans with The Standard.doc
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Customer A.xlt Fri 6/8/2007 9:55 PM
Customer A.xlt
Source:
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Retirement.pdf Fri 6/8/2007 9:55 PM
Retirement.pdf
Test message 2.doc
Source: http://quickr.tap.ibm.com/lotus/mypoc?uri=dm:0971e50045aa534d85feedf227c99b20&verb=view
RSS TO OUR COLLABORATION
13 Items

Lotus Connections Business Card within Sharepoint

Mainsoft 解決方案介紹

Who Is Mainsoft?

Founded: 1993

Business: Leader in .NET-Java EE interoperability
Advanced IBM Business Partner since 2005

Vision: Move to Open Systems,
Preserve Microsoft investments

Clients: 150+ banking, healthcare, insurance, manufacturing, retail, software development and public sector customers

Product Validations:

Awards:

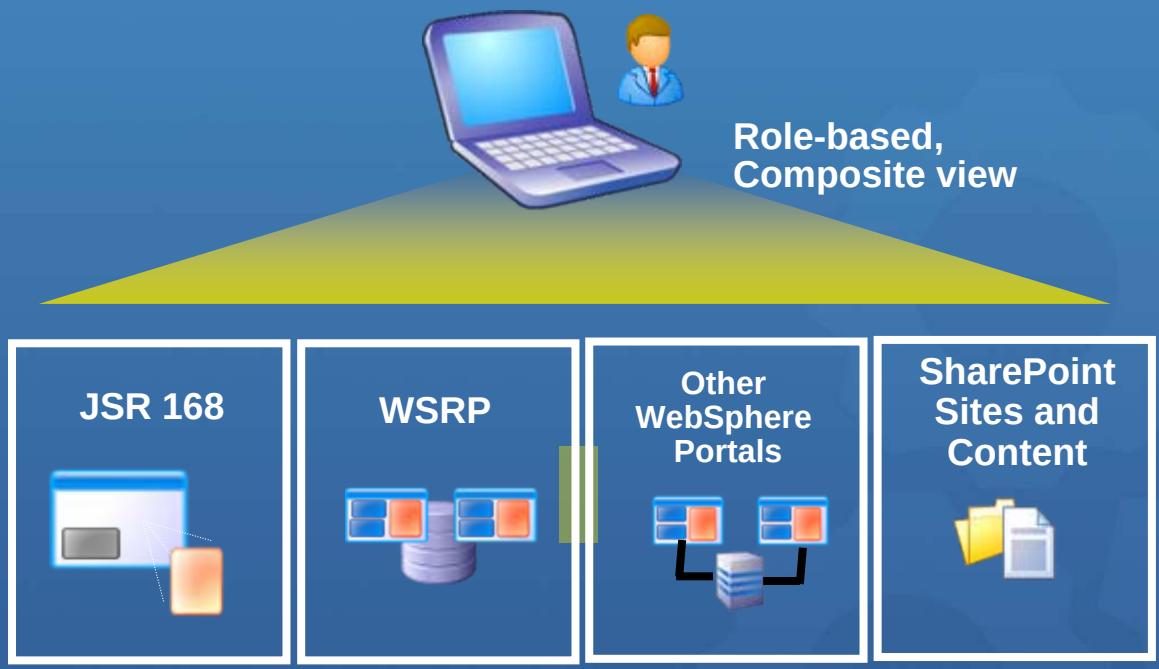
Finalist:
Best in Show
Lotusphere 2007

Best option for rehosting .NET apps on Java EE servers

What value does Mainsoft bring to our Portal portfolio?

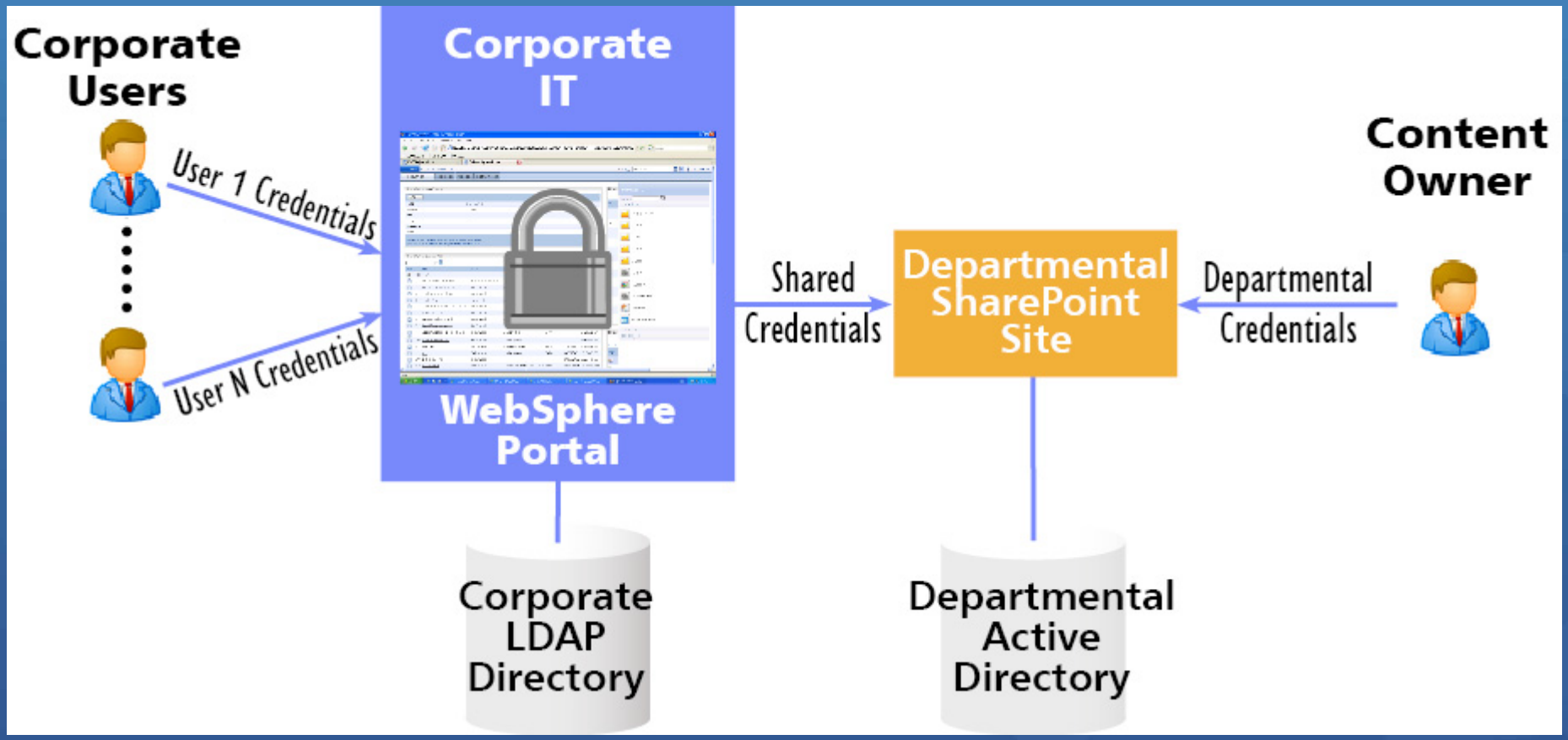
- Mainsoft enables companies to use existing .NET skills to integrate existing ASP.NET and SharePoint applications into WebSphere Portal.
- Mainsoft enables businesses to federate SharePoint sites from WebSphere Portal
- Applications behave *exactly the same* as any Java portlet running on the portal
  - ability to participate in composite applications using portlet communications
  - the same look and feel
  - unified navigation
  - single sign on

WebSphere Portal as the Federation Portal

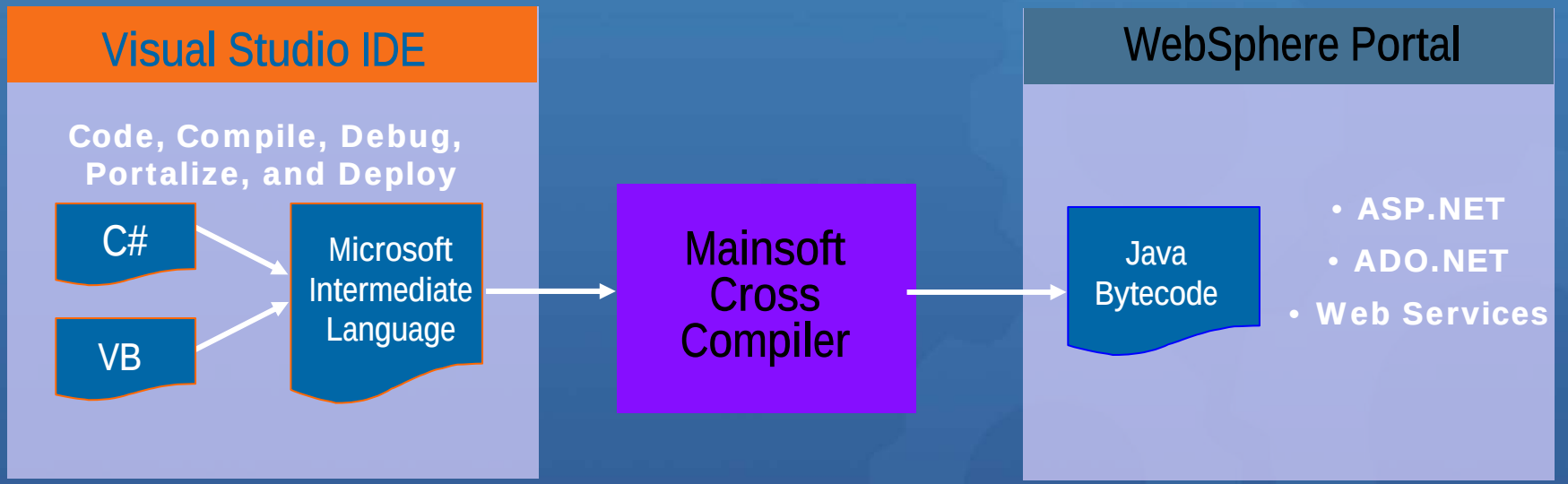


A single point of personalized interaction with enterprise applications, content, processes and people

Centralized Access to Departmental SharePoint Sites

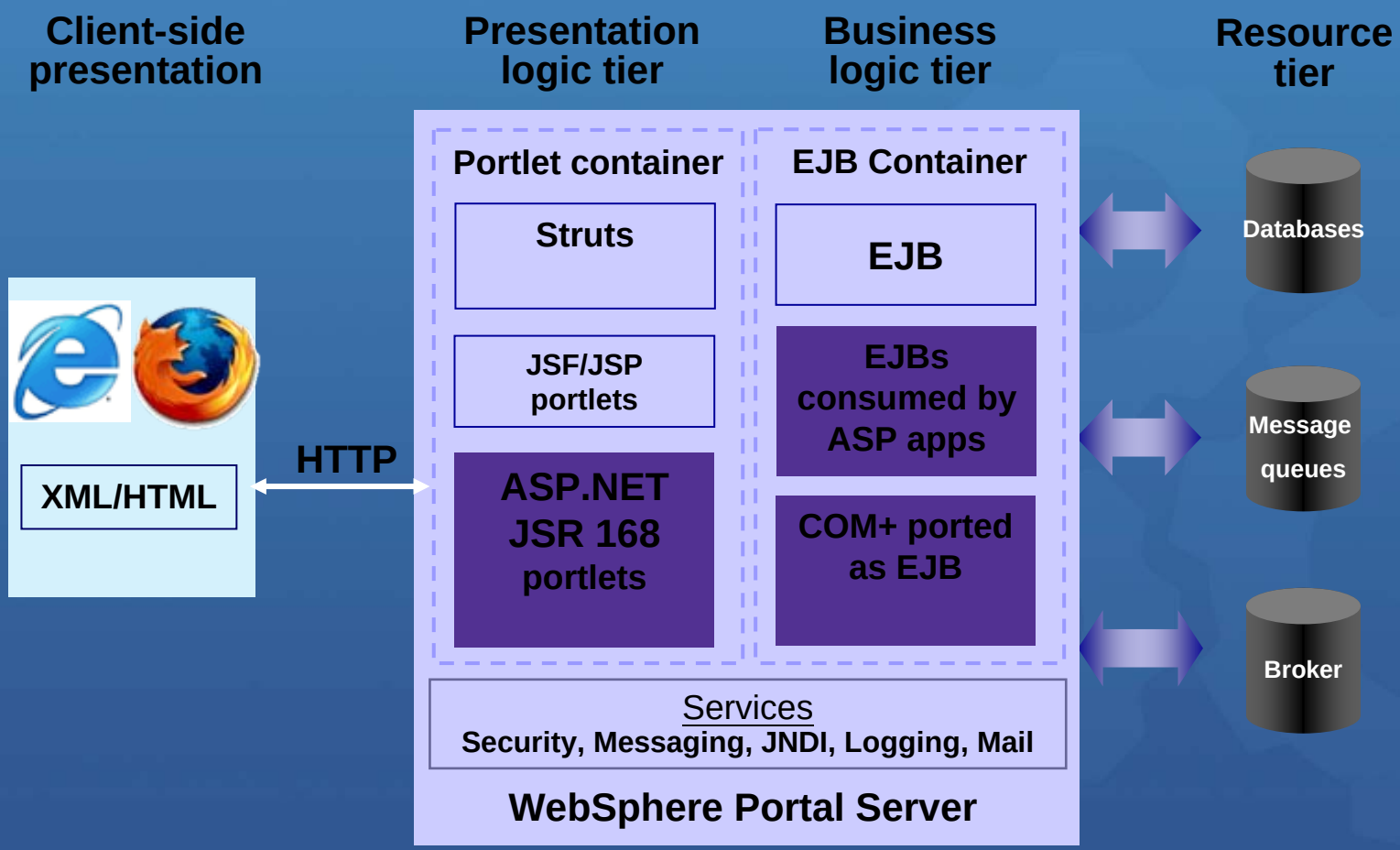


Mainsoft for Java EE, Portal Edition
Enabling Technology



- ✓ Mainsoft software cross compiles C#/VB code into Java bytecode and packages it into WAR files.
- ✓ ASP .NET portlets run natively on WebSphere Portal

ASP.NET:
Just Another Framework on the JSR 168 Container



WebSphere Portal Can Support .NET & Java Equally

Capitalize on existing .NET assets

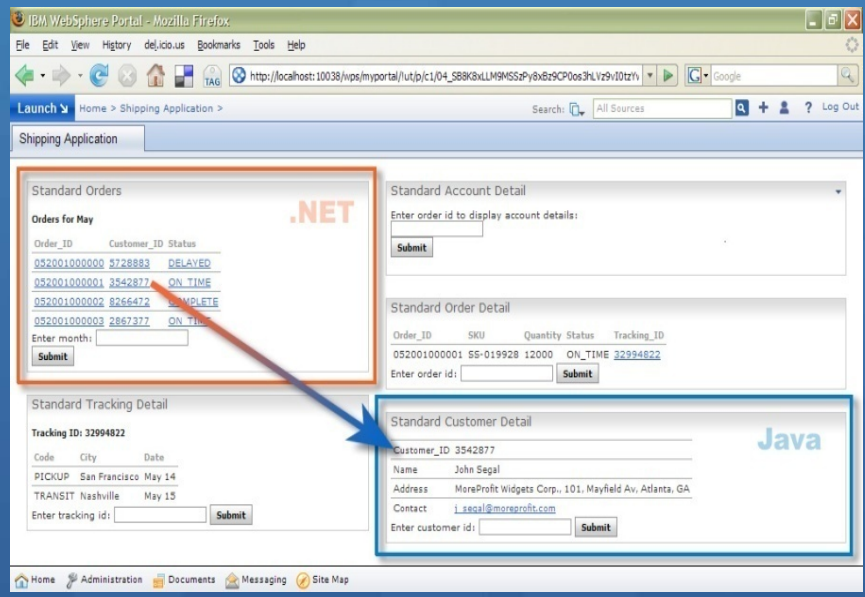
- Use existing .NET skills.
- Integrate existing ASP.NET applications.
- Federate contents stored on existing SharePoint sites and SQL Reporting Services.

Build composite apps across .NET and Java

- Create on-the-glass mash-ups across .NET and Java.
- Enhance employee productivity.
- Improve customer relationships.

Extend the value of portal to .NET

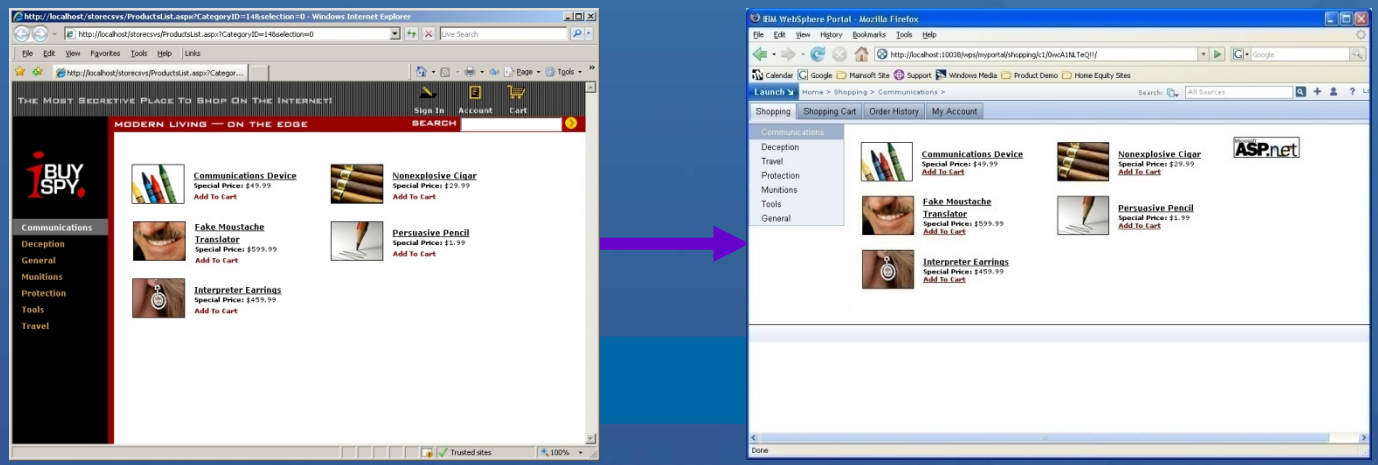
- Single point of access to all enterprise services - *both .NET and Java* - within a secure, role-based environment.
- High availability, scalability.



An example of on-the-glass integration between .NET and Java portlets.

.NET Extensions for WebSphere Portal:
Mainsoft's Portal Edition

- C# and Visual Basic developers use Mainsoft's Visual Studio-based SDK to create and integrate ASP.NET applications into WebSphere Portal, *without* having to learn Java or become WebSphere Portal experts.
- .NET developers can also access WebSphere Portal Services to deliver a complete Portal implementation.
- End-user experience is *seamless* across .NET and Java.

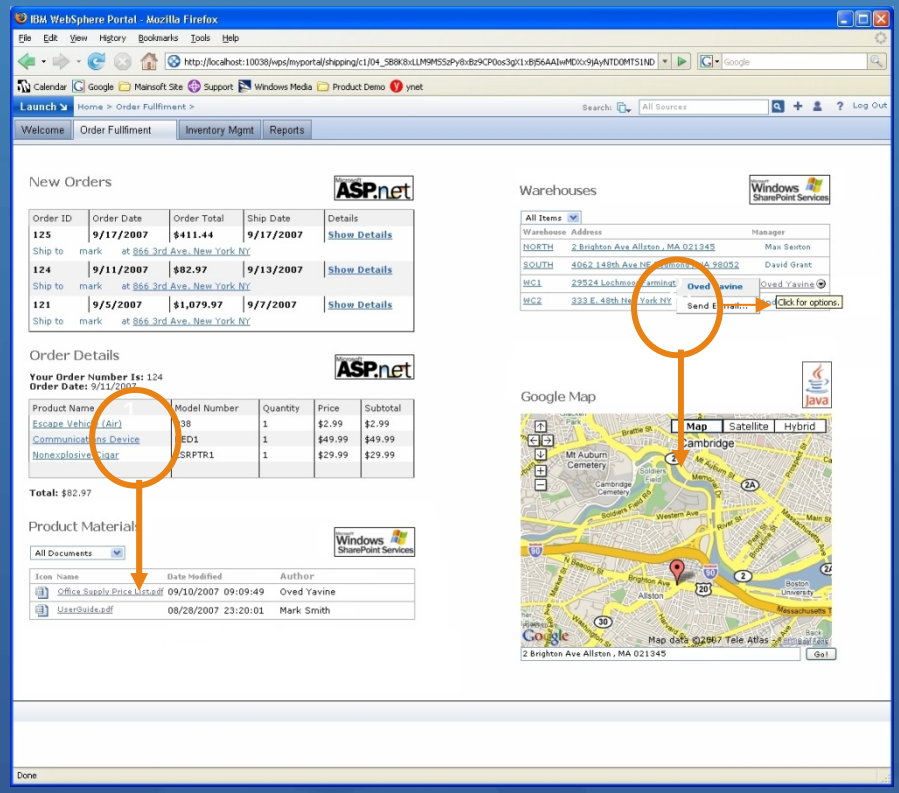


Use Mainsoft's Portal Edition to integrate an ASP.NET store front, with a product catalog, user authentication and personalization, shopping carts, and a Web service to submit orders into WebSphere Portal.

.NET Extensions for WebSphere Portal:

SharePoint Federator for WebSphere Portal *New!*

- Give end-users SSO, role-based access to SharePoint content:
  - ✓ SharePoint lists
  - ✓ Documents
  - ✓ Announcements
  - ✓ Events
  - ✓ Contacts
  - ✓ Meetings
- Portlets are highly customizable and can participate in mash-ups across .NET and Java.
- Build composite apps using SharePoint, .NET, & Java portlets.

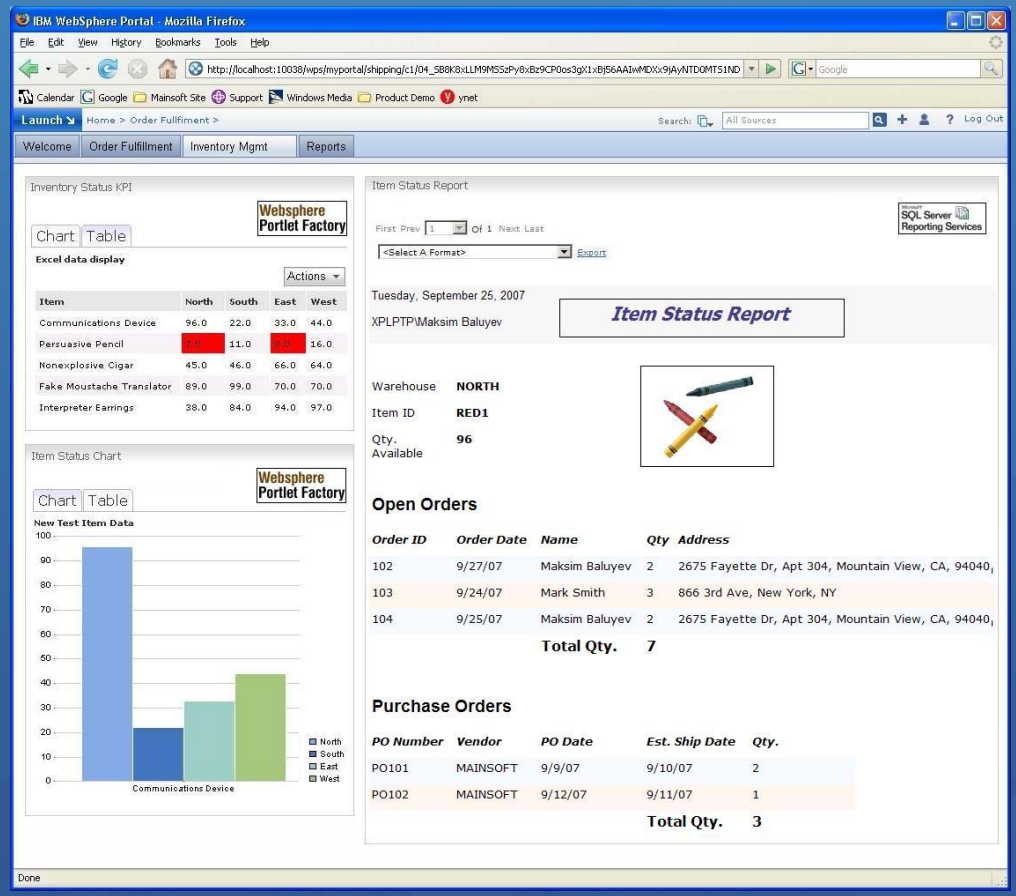


(1) The Product Materials portlet federates documents stored on a Windows SharePoint site.

(2) The Warehouses portlet federates a SharePoint list that participates in mash-ups with Google Maps & Same Time Collaboration Services.

.NET Extensions for WebSphere Portal:
SQL Reporting Services Federator for WebSphere Portal

- Federate SQL Reports within WebSphere Portal.
- Integrate with IBM Dashboard to deliver detailed reports using customer's reports stored on the SQL Server.



This Inventory Management Page integrates SQL Reporting Services and Dashboard framework KPIs.

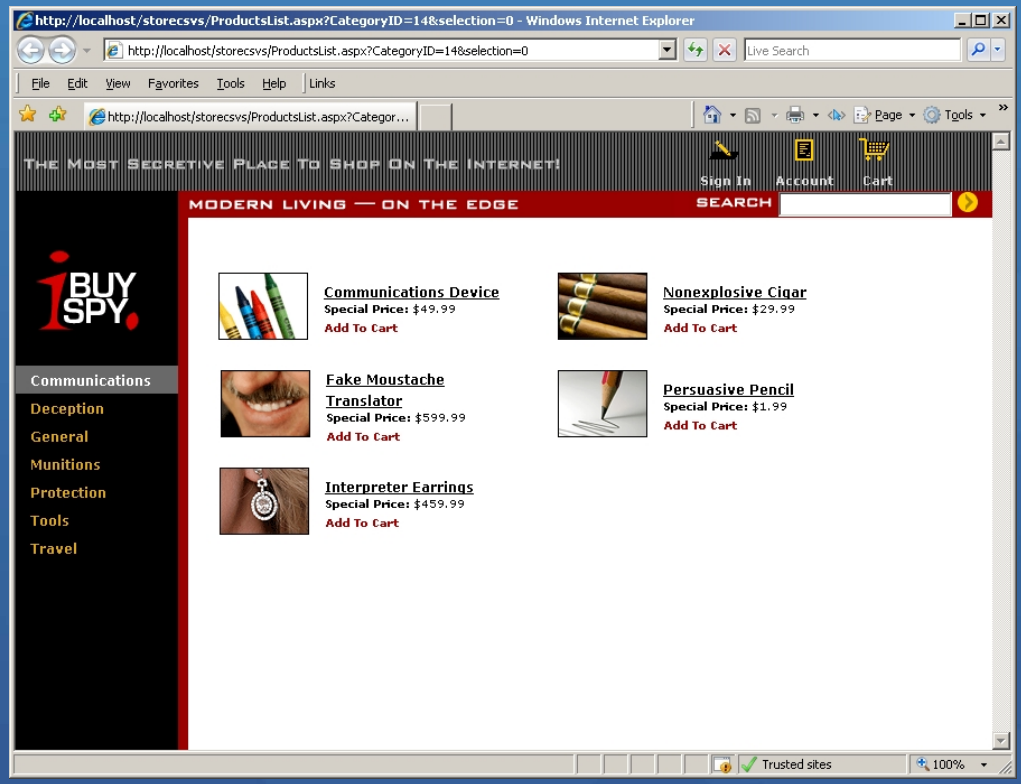
Demo Screens

Integrate .NET Assets into WebSphere Portal

- **Integrate into WebSphere Portal:**
  1. ASP.NET eCommerce site.
  2. Windows SharePoint Services.
  3. Microsoft SQL Reporting Services.

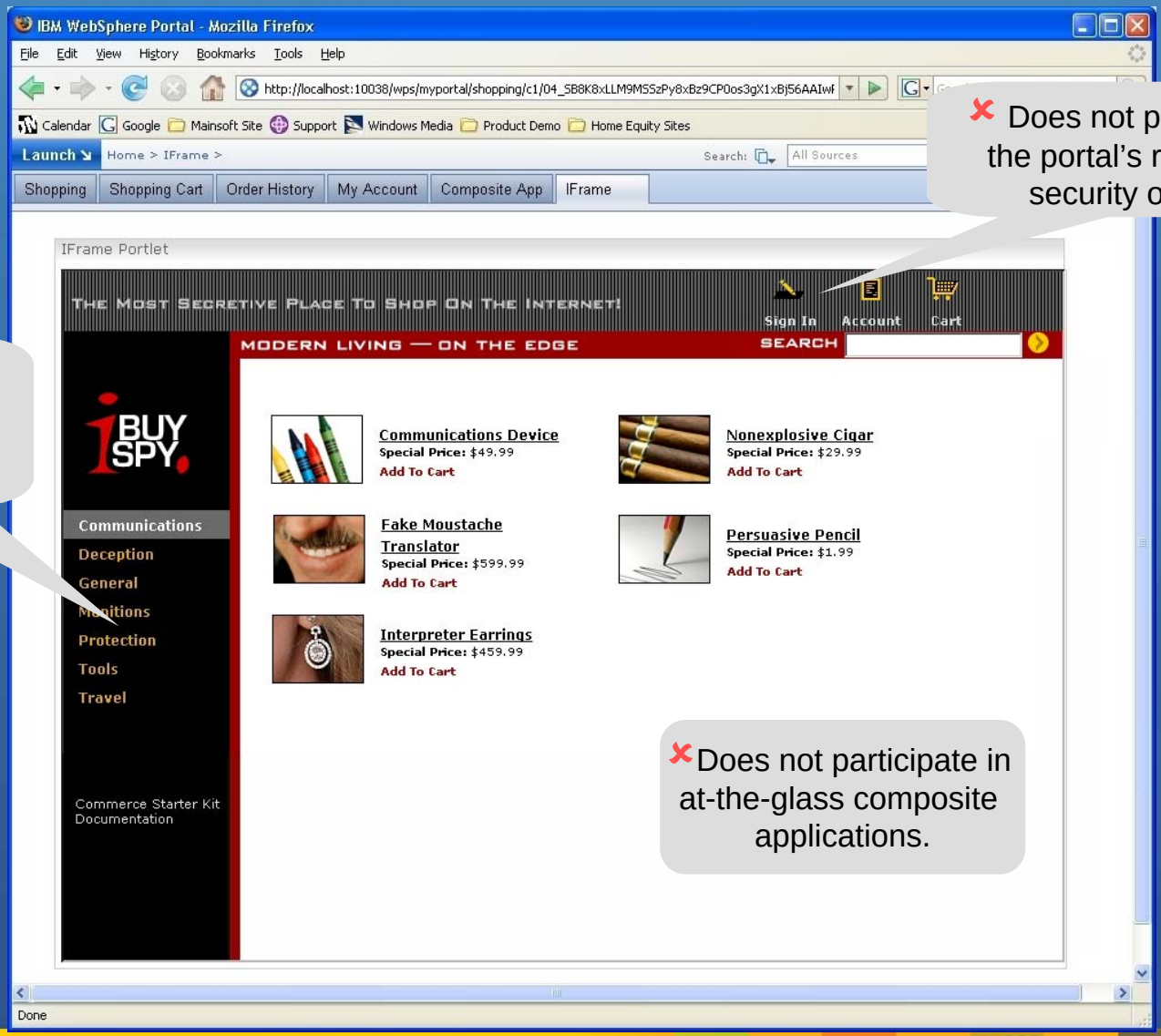
- **Use composite applications across .NET & Java to stream line order processing, fulfillment and reports.**

- **Use C#, Visual Studio to integrate, maintain the .NET portlets.**



Using IFrames
Integrate ASP.NET into WebSphere Portal

The ASP.NET application behaves like a picture-in-a-picture.



Does not participate in the portal's role-based security or SSO.

Maintains original branding and navigation.

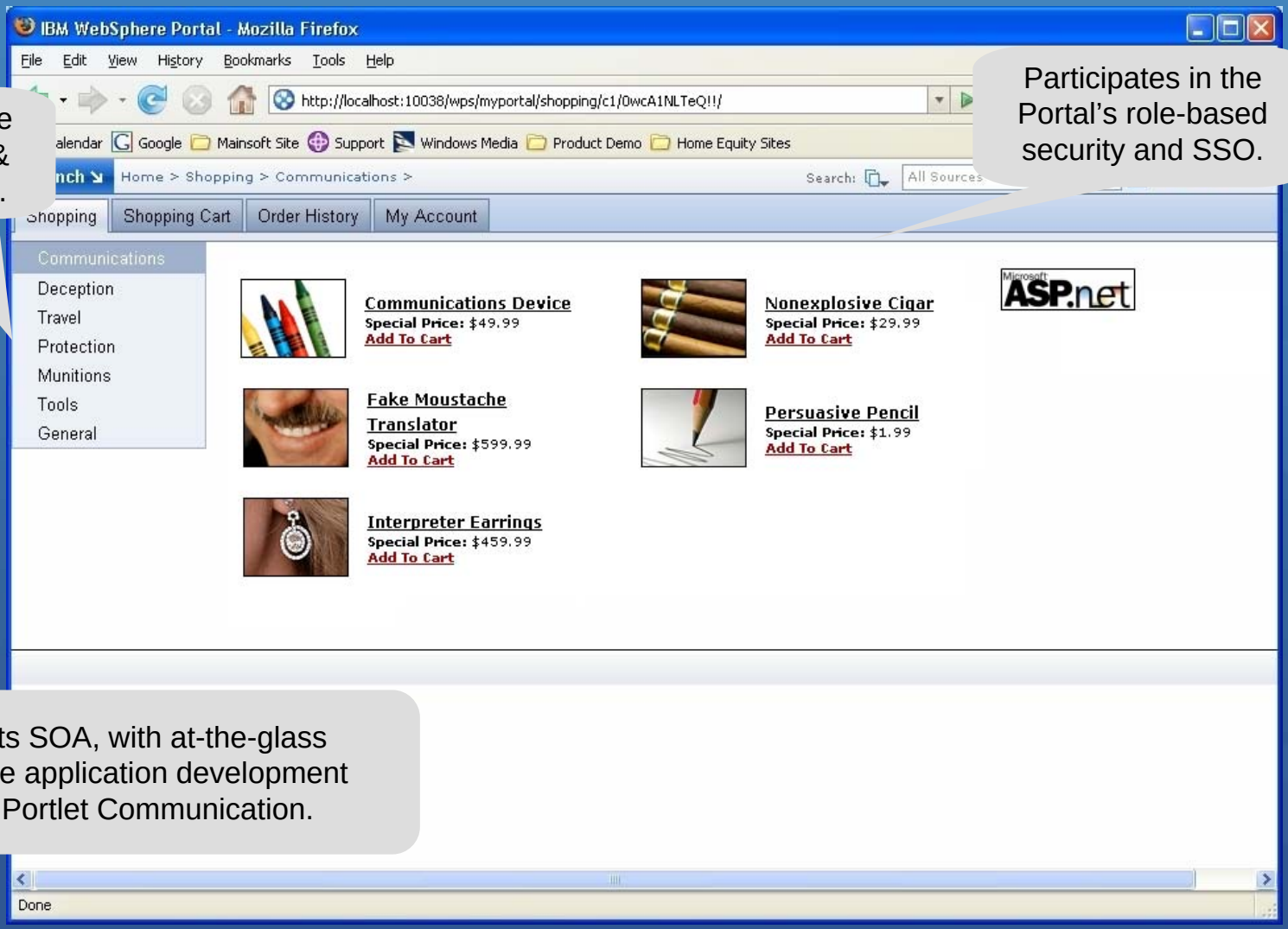
Does not participate in at-the-glass composite applications.

Using .NET Extensions

Integrate ASP.NET into the Portal

Adopts WebSphere Portal's branding & navigation system.

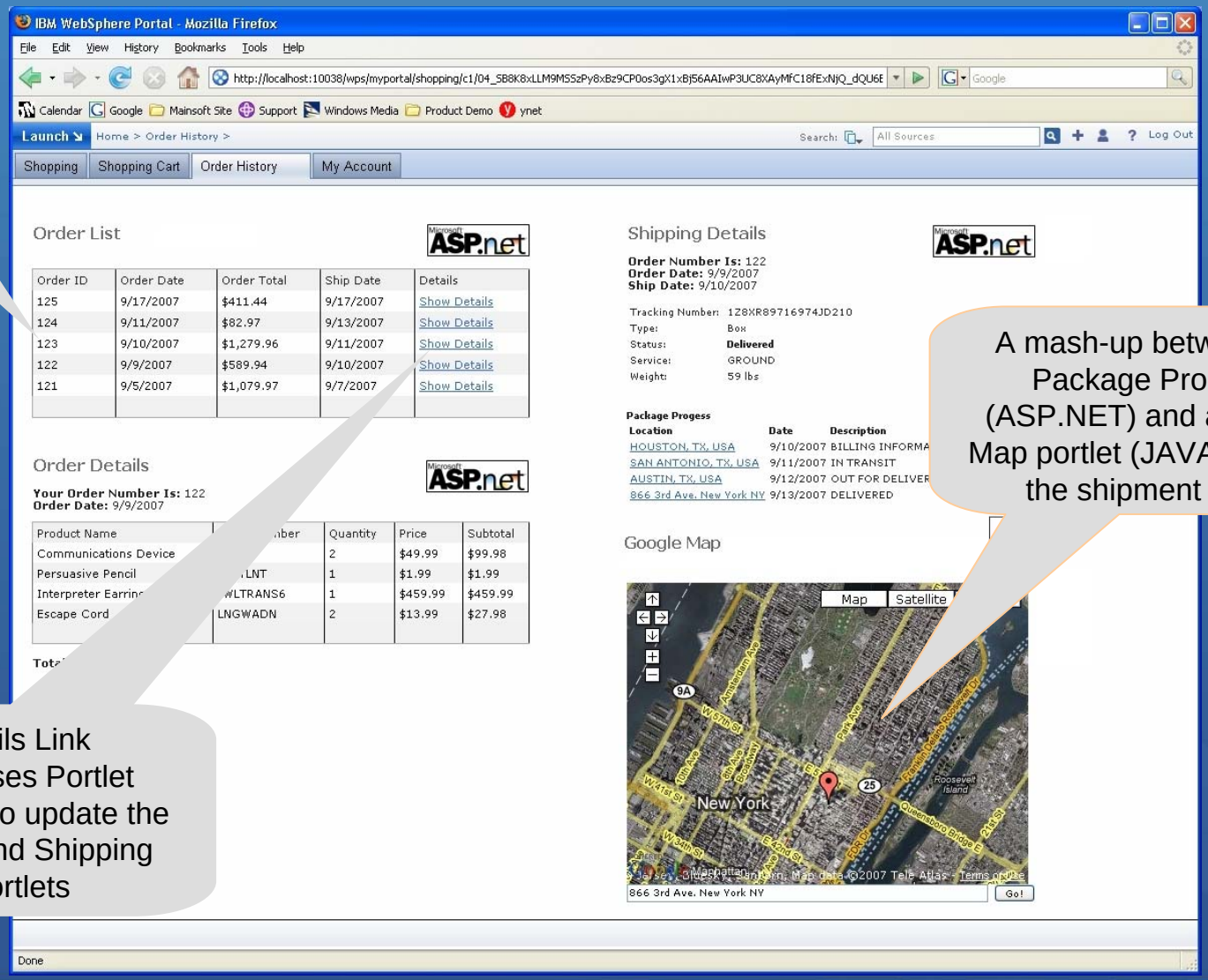
Participates in the Portal's role-based security and SSO.



Supports SOA, with at-the-glass composite application development using Portlet Communication.

Building Composite Applications
Across .NET & Java

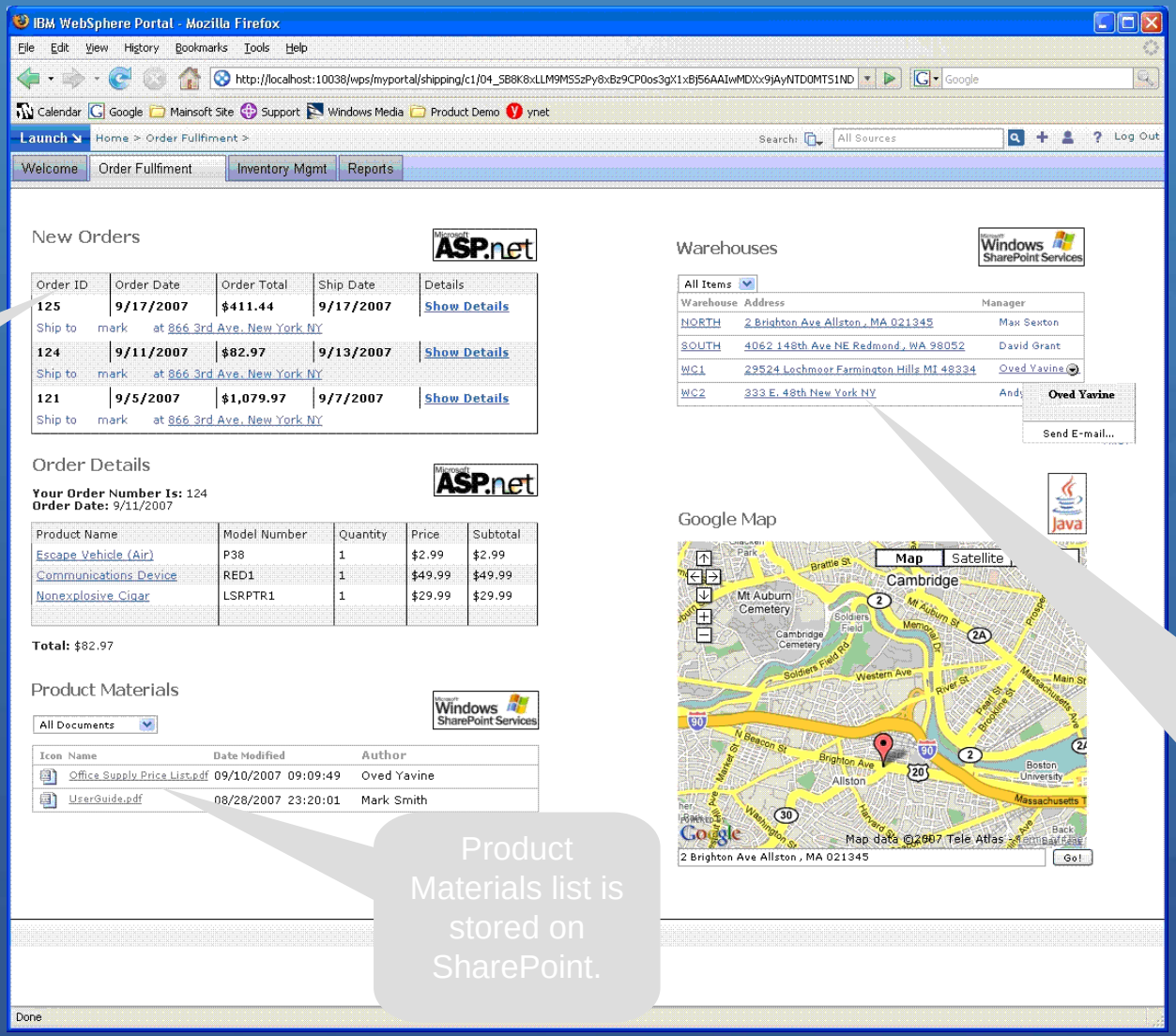
Order List Portlet (ASP.NET) displays new orders



A mash-up between the Package Progress (ASP.NET) and a Google Map portlet (JAVA) displays the shipment route.

Show Details Link (ASP.NET) uses Portlet Communication to update the Order Details and Shipping Details portlets

Federate SharePoint Contents into Portal

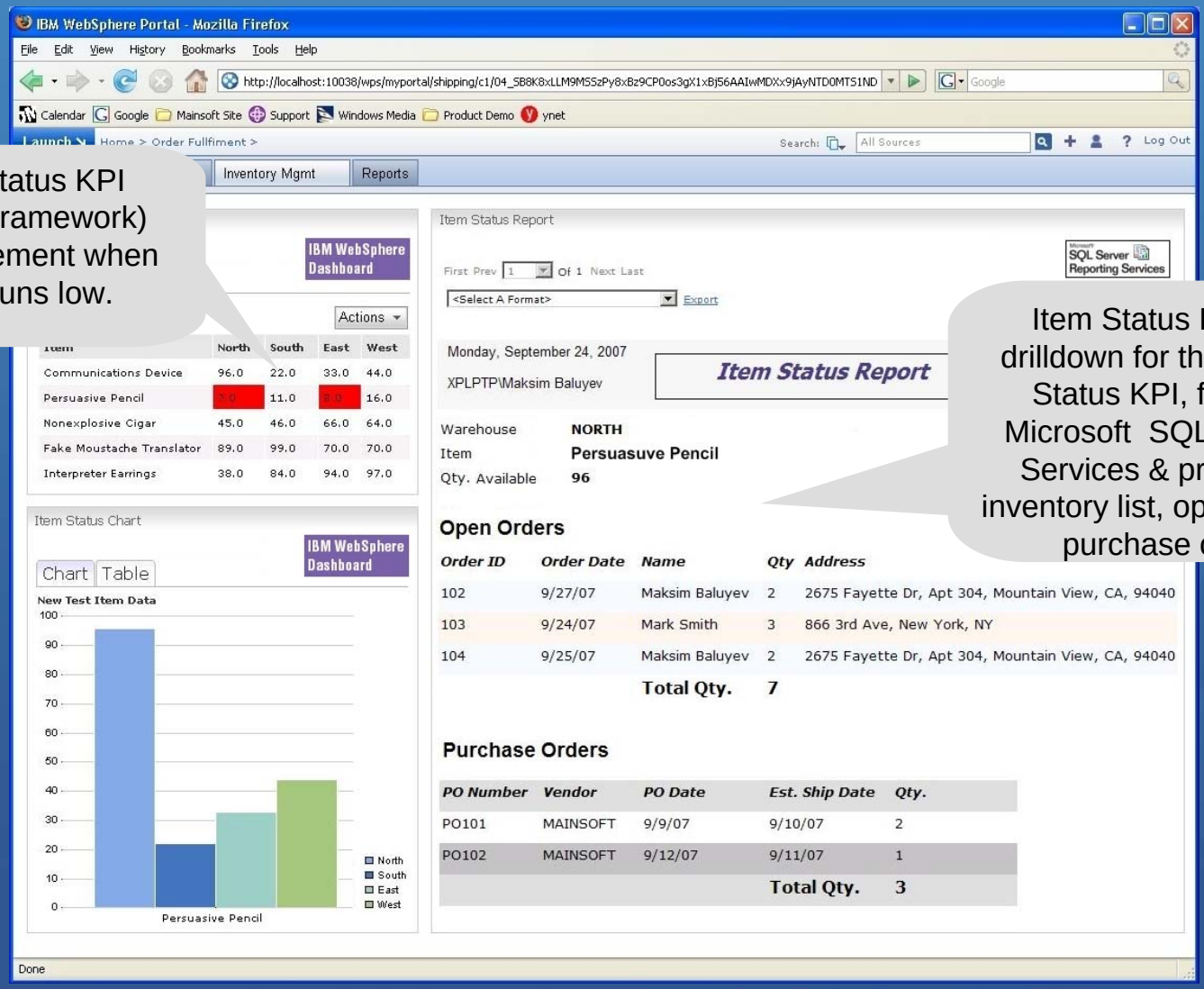


Order fulfillment site reuses New Orders and Order Details ASP.NET portlets.

Product Materials list is stored on SharePoint.

SharePoint content participates in composite application with a Google Gadget & Sametime Collaborate Services

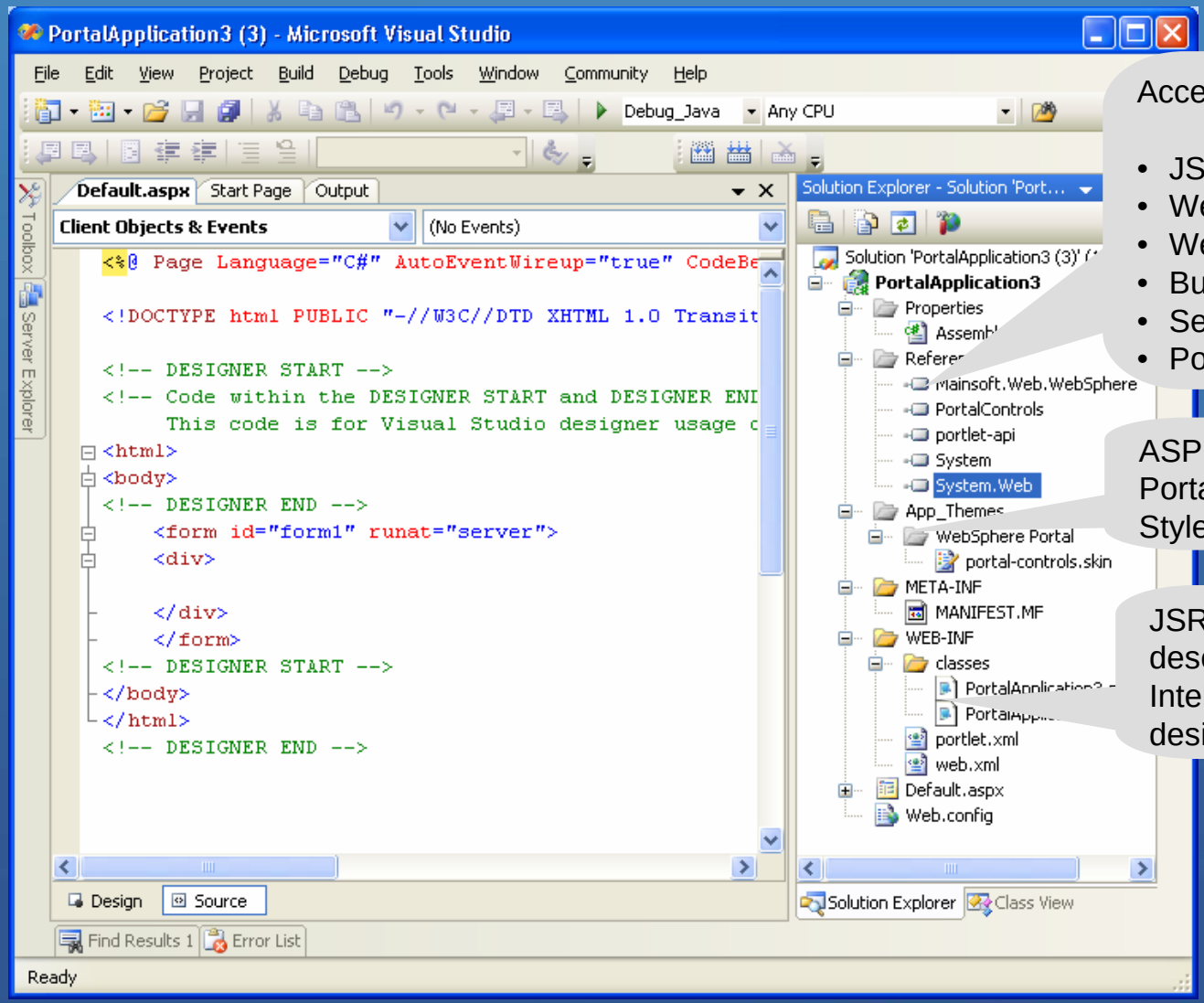
Integrate Dashboard Framework with SQL Reports



Inventory Status KPI (Dashboard framework) alerts management when inventory runs low.

Item Status Report, a drilldown for the Inventory Status KPI, federates Microsoft SQL Reporting Services & provides an inventory list, open orders, & purchase orders.

Visual Studio Development Experience



Access Portal services, incl.:

- JSR 168 APIs
- WebSphere Content Mgr
- WebSphere Document Mgr
- Business Process Server
- Security Services
- Portal User Profile

ASP.NET adopts WebSphere Portal Themes and Stylesheets

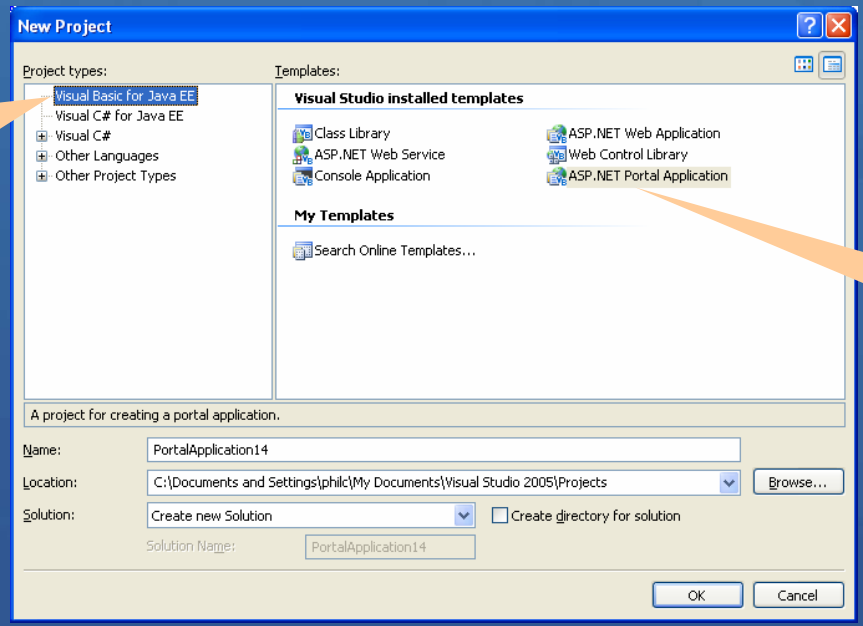
JSR 168 deployment descriptor with VS IntelliSense and a Visual designer.

Developing ASP.NET Portlets

From Visual Studio

- ✓ New Java EE Project Types for both C# and Visual Basic
- ✓ ASP.NET Portal Application Project Template
  - Preserve the ASP.NET development experience.
  - Deploy JSR 168 compliant deployment package.

Two new project types for creating Visual Basic and C# Java EE projects.

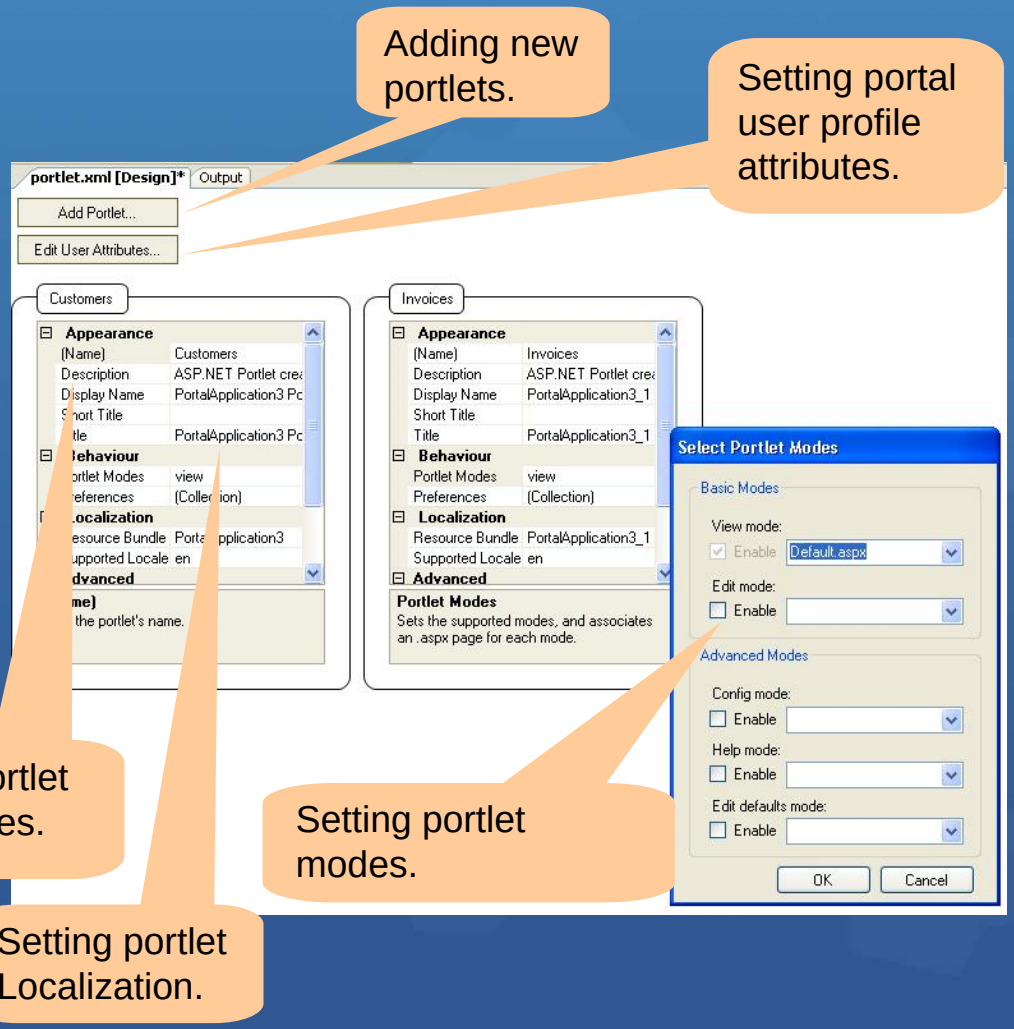


New ASP.NET Portal Application template.

Visual Studio JSR 168 Portlet Designer

The visual designer for portlet.xml shortens the JSR 168 learning curve.

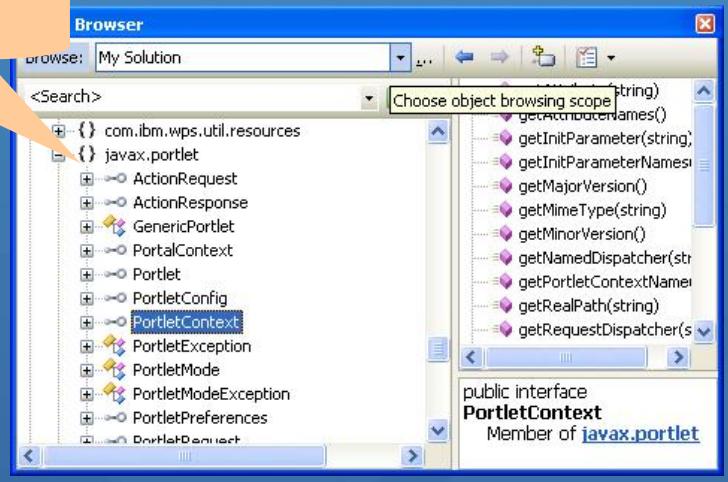
- ✓ Multi-portlet applications.
- ✓ Support for localization
- ✓ View/Edit/Config portlet modes
- ✓ Portlet preferences
- ✓ And more…



JSR 168, Portal API Access

- Full access to JSR 168 API and Portal services.
- Support for Visual Studio IntelliSense.
- C#/VB invocation of WebSphere Portal APIs.

Access to JSR 168 API.

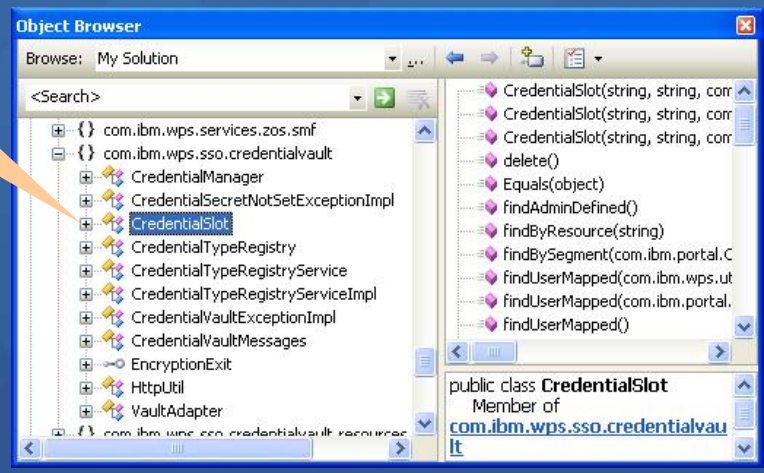


Direct access to Portlet API directly from the ASP.NET page.

```
public partial class _      ult : Mainsoft.VMW.Portal.Page
{
    protected void Page_L      (object sender, EventArgs e)
    {
        PortletContext pc = th s.PortletContext;

        PortletPreferences pr = this.PortletRequest.getPreferences();
    }
}
```

Access to all WP services e.g. Credential Vault.



ASP.NET API on top of WP Security Infrastructure

- ✓ Authentication: Leverages WP single sign-on support.
  - – ASP.NET Authentication based on WP SSO

```
string usertId = this.User.Identity.Name;
```

Fetch the logged-in user ID from the portal.

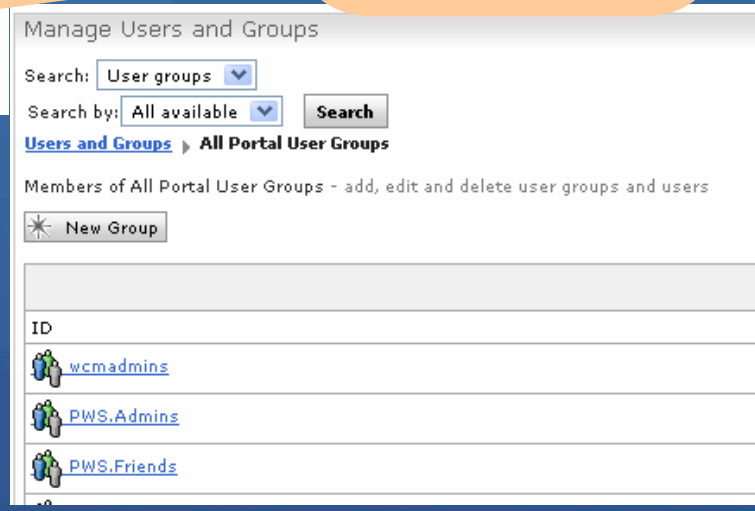
- ✓ Authorization: ASP.NET Roles are mapped to WebSphere Portal groups.

```
bool isAdmin = System.Web.Security.Roles.IsUserInRole("Admins");
string[] roles = System.Web.Security.Roles.GetRolesForUser();
```

ASP.NET **IsUserInRole()** checks if the portal user belongs to the portal group.

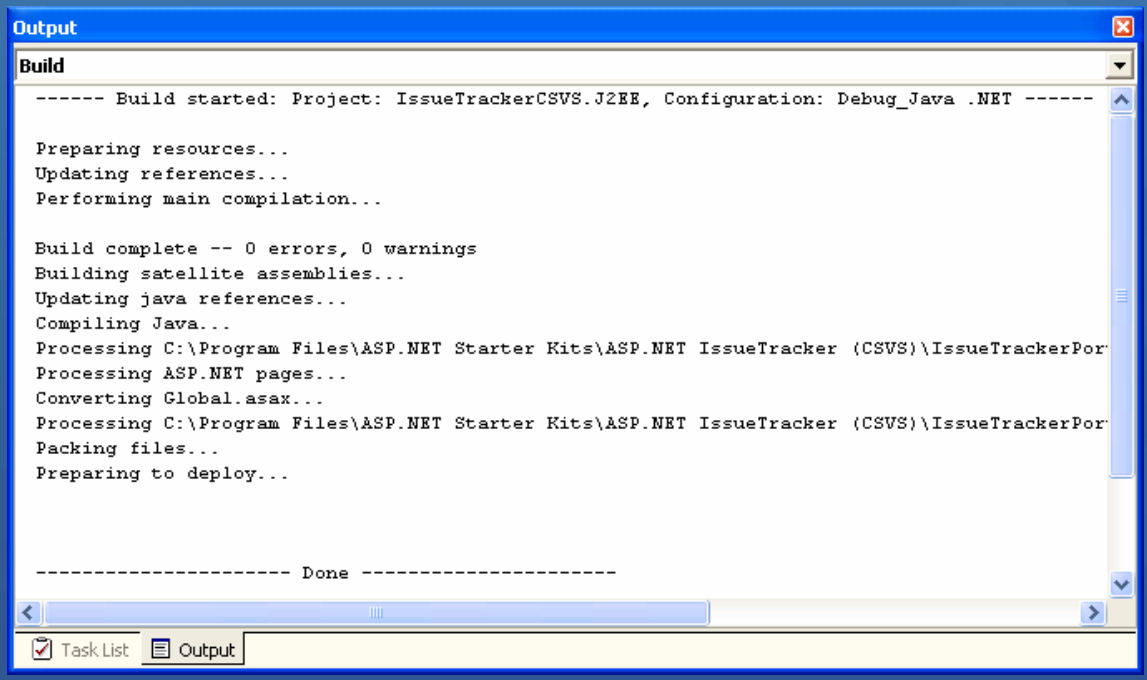
```
<env-entry>
   <env-entry-name>WPGroupsRoleNamespace</env-entry-name>
   <env-entry-value>PWS</env-entry-value>
   <env-entry-type>java.lang.String</env-entry-type>
 </env-entry>
```

Java EE deployement controls the namespace for the ASP.NET application roles through the **web.xml** descriptor.



Compiling ASP.NET Apps to Java Bytecode

- Build, deploy, and debug portal application from Visual Studio:
  - Integrated Java build and deployment to the Portal.
  - Run portal application from Visual Studio.
  - Debug from Visual Studio and attach to the portal server.



Healthways, Inc.

Using .NET and Java technologies to build an eFulfillment site for 27 million members

Challenge

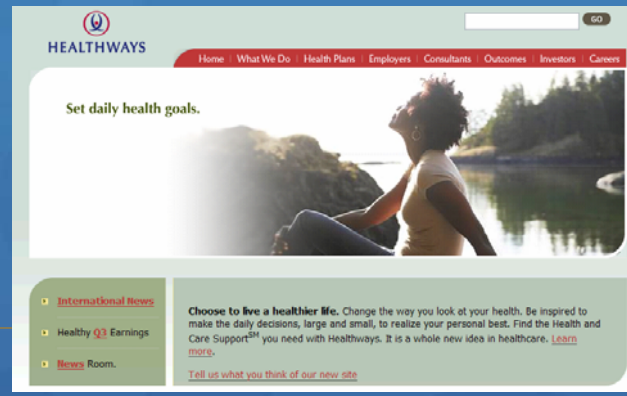
- Healthways was growing 36% a year and needed to streamline operations.
- In 2006, company spent $28 million printing and mailing literature to its membership, and it needed to reduce costs.
- Chose WebSphere Portal as the preferred portal platform but in-house development team was .NET

Solution

Use Mainsoft and WebSphere Portal to create a self-service fulfillment portal that gives members 24x7, online access to health and disease management documents

Benefits

- Site entered production five months after development work began.
- Estimate that full ROI will be achieved within one year.
- C# developers used Mainsoft's Visual Studio-based SDK to build Java portlets after a single day of training.
- Site delivers unified experience, with single sign on, role based access, common navigation and branding across both .NET and Java components.



"We achieved the best of both worlds: we used our enterprise .NET skills to develop our eFulfillment site, and we delivered a highly personalized experience to members in a highly scalable, proven production environment."

David Jarmoluk
Director of Enterprise Architecture
Healthways

Reference Information

- MSDN Home
  - http://msdn.microsoft.com/
- MSDN Home for XML/Webservices
  - http://msdn.microsoft.com/xml
- MSDN Home for MS Office
  - http://msdn.microsoft.com/office
- IBM WebSphere Portal Business Solutions Catalog
  - http://www.ibm.com/websphere/portal/portlet/catalog
- WebSphere Portal Zone
  - http://www7b.software.ibm.com/wsdd/zones/portal/

Additional Information and Resources

- **Websphere Portal Business Solutions Catalog:**
  - http://catalog.lotus.com/wps/portal/portal
- **Webspere Portal Product Information:**
  - http://www-306.ibm.com/software/genservers/portal
- **WebSphere Portal Information Center Documentation:**
  - http://www.ibm.com/developerworks/websphere/zones/portal/proddoc.html

Thank You!

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