

IBM® WEBSHERE® PORTAL 6.1
Deliver Exceptional User Experiences

WebSphere software ibm.com/websphere/portal



【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

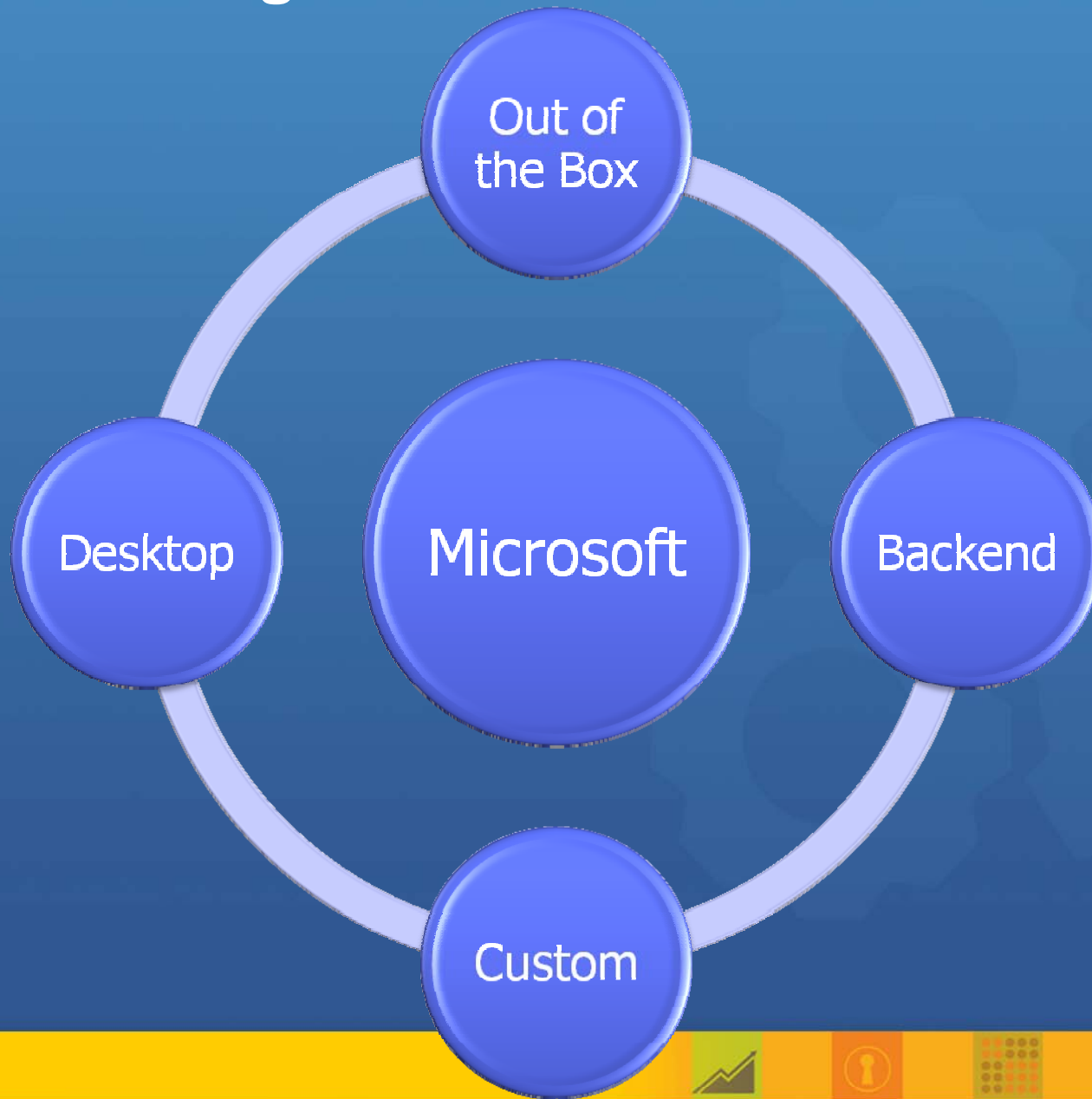
IBM Certified System Administrator
WebSphere Portal

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**

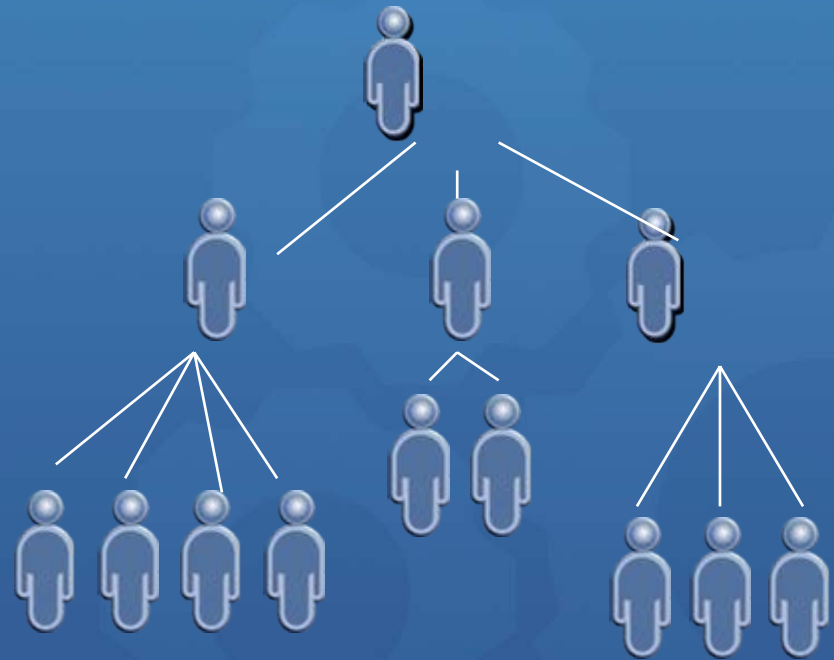


Microsoft Integration for Portal



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



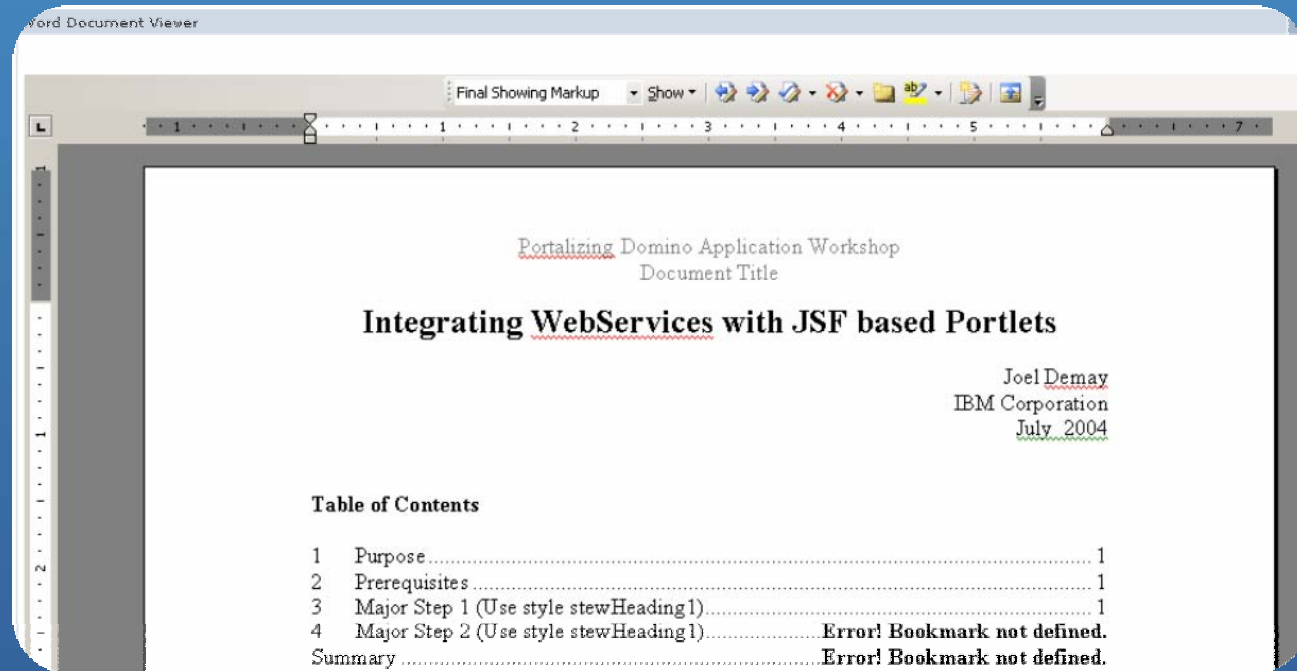
Microsoft Office document viewer

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

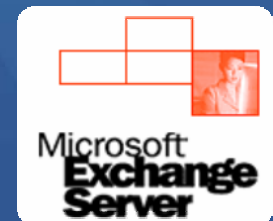
- on Portal Catalog

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



Microsoft Exchange2003 Mail

Compose Refresh

wpsadmin@ibm.local Jump To: 1 - 5 of

Folder: **Inbox** Move to: **Inbox**

<input type="checkbox"/>	From	Subject	Date	Size(bytes)
<input type="checkbox"/>	Administrator@ibm.local	Lotusphere Rocks	24-01-2007 10:05 AM	426
<input type="checkbox"/>	Administrator@ibm.local	RE: Birmingham is hard to find	19-01-2007 03:18 PM	2 KB
<input type="checkbox"/>	Administrator@ibm.local	FW: Hello world	19-01-2007 03:18 PM	12 KB
<input type="checkbox"/>	Administrator@ibm.local	RE: Quick email	12-09-2006 03:17 PM	761
<input type="checkbox"/>	Administrator@ibm.local	RE: Please Look at this doc	05-09-2006 09:14 AM	793

Exchange Portlet

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



Exchange Portlets – Outlook Web Access

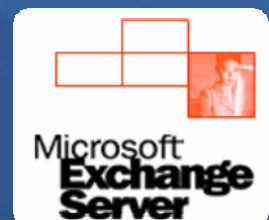
IBM Portlet for Outlook Web Access

The screenshot displays the Outlook Web Access interface within an IBM Portlet. The interface includes a navigation pane on the left with folders like 'wpsadmin', 'Calendar', 'Inbox', 'Calendar', 'Contacts', 'Tasks', 'Public Folders', 'Rules', and 'Options'. The main area shows an email list with columns for From, Subject, Received, and Size.

From	Subject	Received	Size
Administrator	Lotosphere Rocks	Wed 1/24/2007 10:0...	426 B
Administrator	RE: Birmingham is hard to find	Fri 1/19/2007 3:1...	3 KB
Administrator	FW: Hello world	Fri 1/19/2007 3:18 P...	12 KB
Administrator	RE: Quick email	Tue 9/12/2006 3:...	761 B
Administrator	RE: Please Look at this doc	Tue 9/5/2006 9:14 A...	793 B
wpsadmin	review	Tue 9/5/2006 9:05 A...	201 KB
Administrator	test	Tue 9/5/2006 8:3...	426 B
Administrator	FW: Hello world	Fri 4/28/2006 2:17 P...	892 B
Administrator	Soc Gen Monday	Mon 4/3/2006 11:59...	53 KB
Administrator	test	Mon 4/3/2006 11:41...	53 KB
wpsbind	Whitepaper	Mon 4/3/2006 9:45 ...	201 KB

IBM Portlet for Outlook Web Access

- on Portal Catalog



Common PIM Portlet – 2000 & 2003 Support

The screenshot displays the 'Mail' portlet interface. At the top, there are buttons for 'Check for Mail', 'Compose', 'Move to Folder...', 'Delete', 'Manage Folders', and 'Actions'. Below this is a navigation pane on the left with folders: 'Inbox', 'Drafts', 'Sent', 'All Messages', 'Junk Mail', and 'Trash [Empty]'. The main area shows an 'Inbox' table with columns for 'From', 'Subject', and 'Date'. A context menu is open over the contact 'wpsadmin', showing options: 'wpsadmin', 'I am available to chat.', 'Start Chat...', 'Send E-mail...', 'Add to Instant Contacts...', and 'Show Person Record...'. The table lists several messages from 'Jake Neumann' and 'Cindy Neumann' with subjects like 'Marketing Org Chart' and 'New product information in Doc format'. The interface also includes 'Page 1 of' and 'Hide Folders' options.

- 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, Mail, Calendars, Todos
- Exchange 2000, 2003
- Leverages Credential Vault.
- Contextual Collaboration/presence awareness

Mail

Mail Configuration

Enable the mail server types/protocols that this portlet will point to. You can also allow portlet users to make this choice in edit mode.

Server Type/Protocol	Status	Default		
IBM Lotus Domino	Enabled	<input checked="" type="radio"/>		
Exchange 2000	Enabled	<input type="radio"/>		
IMAP4	Enabled	<input type="radio"/>		
POP3	Enabled	<input type="radio"/>		

Allow portlet users to change the mail server type/protocol in edit mode

Done



Microsoft Outlook
Common Mail Portlet
Outlook Web Access

Mail

OK Cancel

Mail Configuration

Source

Mail server type/protocol: Exchange 2000

Mail server name: Port:

Allow portlet users to change the mail server in edit mode.

Outgoing mail server name:

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 Administration.

Credential vault slot:

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

How do we integrate with Microsoft SharePoint?

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



WebSphere Portal Integration with SharePoint

The screenshot shows a WebSphere Portal interface with a navigation bar at the top containing 'My Portal', 'Administration', 'Edit my profile', and 'Log'. Below the navigation bar are tabs for 'My Finances', 'My Newsroom', and 'SharePoint integration'. The main content area is titled 'SharePoint Recent Documents' and features a dropdown menu for 'Shared Documents'. A table lists the following documents:

Type	Document	Modified	Modified By	Checked Out To
	WebSphere Portal Microsoft SharePoint intgrtn BobBryEdits	2004-07-20 16:07:04	LCA01\lca	
	test	2004-04-29 14:44:57	Tim Choo	
	Test Document	2004-03-31 10:46:51	Tim Choo	
	Doc Mgmt selection criteria	2004-03-31 10:26:22	Tim Choo	
	72966			
	Misc Docs (Folder)			

An inset window titled 'Home - Microsoft Competitive Team - Microsoft Internet Explorer' is overlaid on the main content. It features a 'Quick' sidebar with the following categories:

- Contacts
- Events
- Software Inventory
- Discussions**
 - General Discussion
 - Technical Discussion
- Surveys**
 - How do you like Sharepoint?

The main area of the inset window displays a 'Shared Documents' table:

Type	Name	Modified	Modified By	Checked Out To
	72966	3/22/2004 3:16 PM	LCA01\lca	
	Doc Mgmt selection criteria	3/31/2004 10:26 AM	Tim Choo	
	Test Document	3/30/2004 12:35 PM	Tim Choo	
	test	4/29/2004 2:44 PM	Tim Choo	
	WebSphere Portal Microsoft SharePoint intgrtn BobBryEdits NEW	7/20/2004 4:07 PM	LCA01\lca	
	Misc Docs	3/31/2004 10:40 AM	Tim Choo	



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

EventPortlet HelloWorld

SharePoint Events

WebSphere Portal

July 2004

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28 Sick Leave	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13 Team meeting	14	15	16	17
18	19	20	21	22 Tech Talk	23	24
25	26	27	28	29	30	31

Current Events

Actions

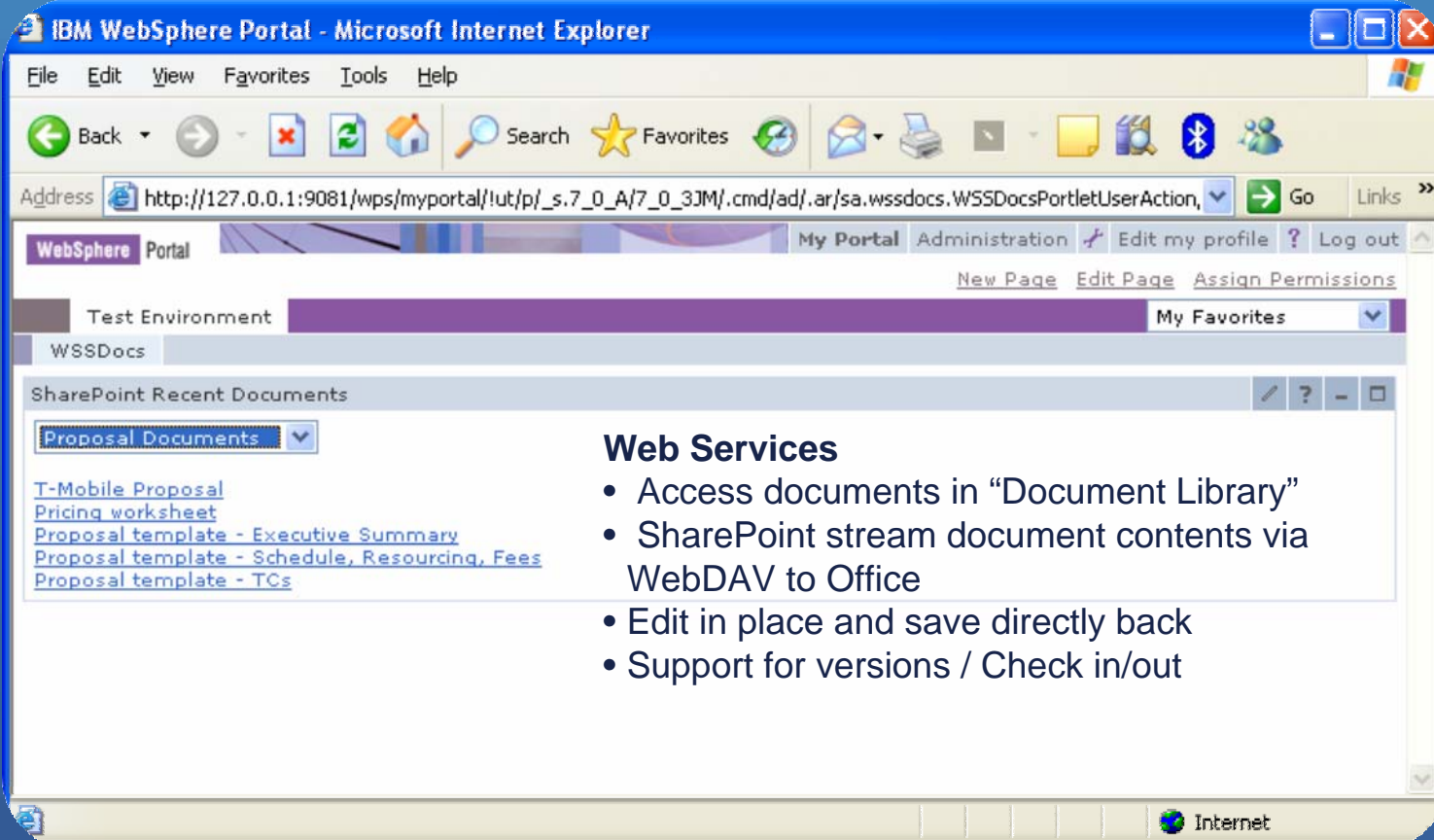
- Add to My Links
- Alert me
- Export to spreadsheet
- Modify settings and columns

SharePoint

July 2004

Sun	Mon	Tue	Wed	Thur	Fri	Sat
27	28 Sick Leave	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13 Team meeting	14	15	16	17
18	19	20	21	22 Tech Talk	23	24
25	26	27	28	29	30	31

SharePoint Recent Document - Custom



The screenshot shows a Microsoft Internet Explorer browser window displaying the IBM WebSphere Portal. The address bar shows the URL: http://127.0.0.1:9081/wps/myportal!/ut/p/_s.7_0_A/7_0_3JM/.cmd/ad/.ar/sa.wssdocs.WSSDocsPortletUserAction. The page title is "WebSphere Portal". The navigation bar includes "My Portal", "Administration", "Edit my profile", and "Log out". The main content area displays a "SharePoint Recent Documents" portlet with a dropdown menu set to "Proposal Documents". The portlet lists several document links:

- [T-Mobile Proposal](#)
- [Pricing worksheet](#)
- [Proposal template - Executive Summary](#)
- [Proposal template - Schedule, Resourcing, Fees](#)
- [Proposal template - TCs](#)

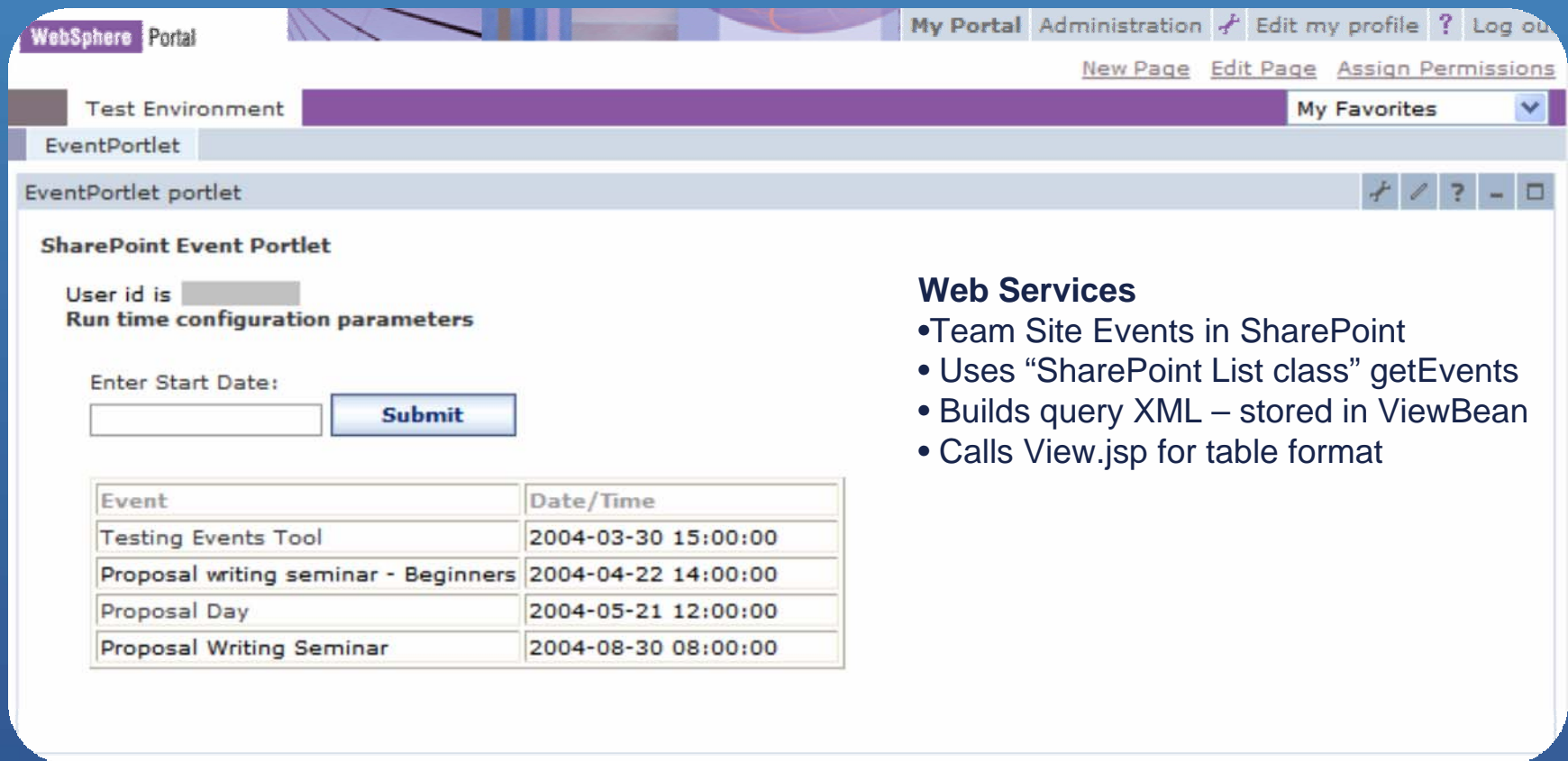
Overlaid on the right side of the screenshot is a text box containing the following information:

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



The screenshot shows a SharePoint portal interface. At the top, there is a navigation bar with 'WebSphere Portal' and 'My Portal' links. Below this, there are links for 'Administration', 'Edit my profile', and 'Log out'. A secondary navigation bar contains 'Test Environment' and 'My Favorites'. The main content area is titled 'EventPortlet portlet' and contains a 'SharePoint Event Portlet' section. This section displays the user ID and 'Run time configuration parameters'. There is a form to 'Enter Start Date:' with a 'Submit' button. Below the form is a table listing events with their dates and times.

WebSphere Portal

My Portal Administration Edit my profile ? Log out

New Page Edit Page Assign Permissions

Test Environment My Favorites

EventPortlet

EventPortlet portlet

SharePoint Event Portlet

User id is [redacted]

Run time configuration parameters

Enter Start Date:

Event	Date/Time
Testing Events Tool	2004-03-30 15:00:00
Proposal writing seminar - Beginners	2004-04-22 14:00:00
Proposal Day	2004-05-21 12:00:00
Proposal Writing Seminar	2004-08-30 08:00:00

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)

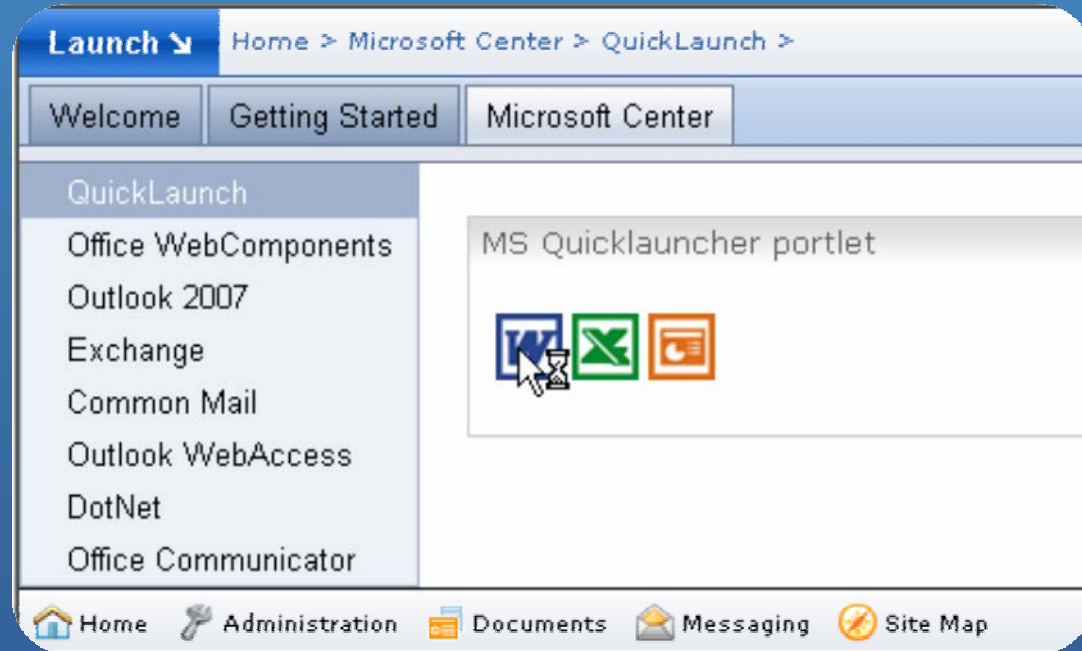
[Exit Credentials](#)

The screenshot shows a Microsoft Internet Explorer browser window displaying the IBM WebSphere Portal. The browser's address bar contains the URL: `http://localhost:9081/wps/myportal/ut/p/kcxml/04_Sj9SPykyssy0xPLMnMz0vMOY_QjzKLN4j3DADJgFjGpvqRqCKOcaFfj_zcvH1v_QD9gtzQIHJHRUUA.m36XEw!!/delta/base64xm/L3dJdyEvUud:`. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar contains various navigation and utility icons. The portal page itself has a top navigation bar with links like 'Travel requests', 'My Workplace', 'My Finances', 'My Work', 'My Tasks', and 'Welcome'. Below this is a secondary navigation bar with 'My Favorites' and a dropdown menu. The main content area is titled 'Team Web Site Home' and features several sections: 'Documents' (with a sub-section for 'Shared Documents'), 'Pictures', 'Lists' (with sub-sections for 'Contacts', 'Tasks', and 'testlist'), and 'Discussions' (with sub-sections for 'General' and 'Discussion'). A 'Click Launch' sidebar is visible on the left. A green callout bubble points to the 'MySite' link in the navigation menu, containing the text: 'Using Dynamic Assembly we can automatically display the sites as part of the navigation. A click on one of the links opens the page in an iFrame.'

Using Dynamic Assembly we can automatically display the sites as part of the navigation. A click on one of the links opens the page in an iFrame.

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

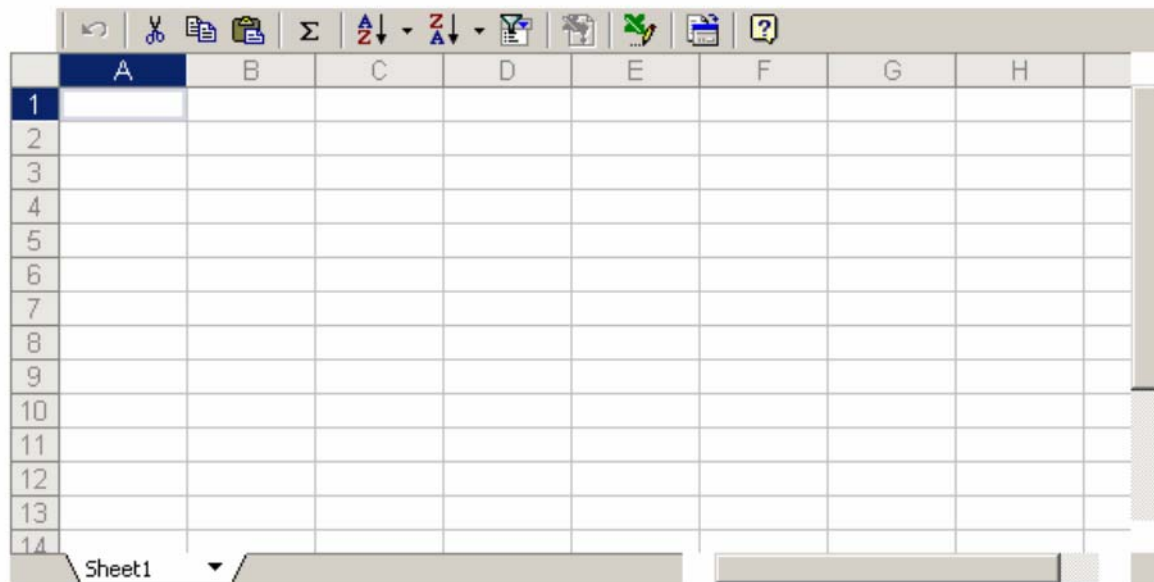
- Microsoft Office has to be installed.
 - ✓ Read mode only if not installed
- Relies on ActiveX Controls, no support for NS browsers. (Win + IE Only)

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)

MS Office web Component portlet



The screenshot displays a web-based spreadsheet application. At the top, there is a toolbar with various icons for undo, cut, copy, paste, sum, sort, filter, and help. Below the toolbar is a grid with columns labeled A through H and rows numbered 1 through 14. The grid is currently empty. At the bottom left of the grid, there is a tab labeled 'Sheet1'. Below the grid, there are two buttons: 'Load Sample Data 1' and 'Load Sample Data 2'.

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

Launch ▾ Home > Microsoft Center > Outlook 2007 > Search: All Sources

Welcome | Getting Started | Microsoft Center

- QuickLaunch
- Office WebComponents
- Outlook 2007
- Exchange
- Common Mail
- Outlook WebAccess
- DotNet
- Office Communicator

Microsoft Outlook portlet

New | Reply | Reply to All | Delete | Forward | Flag |

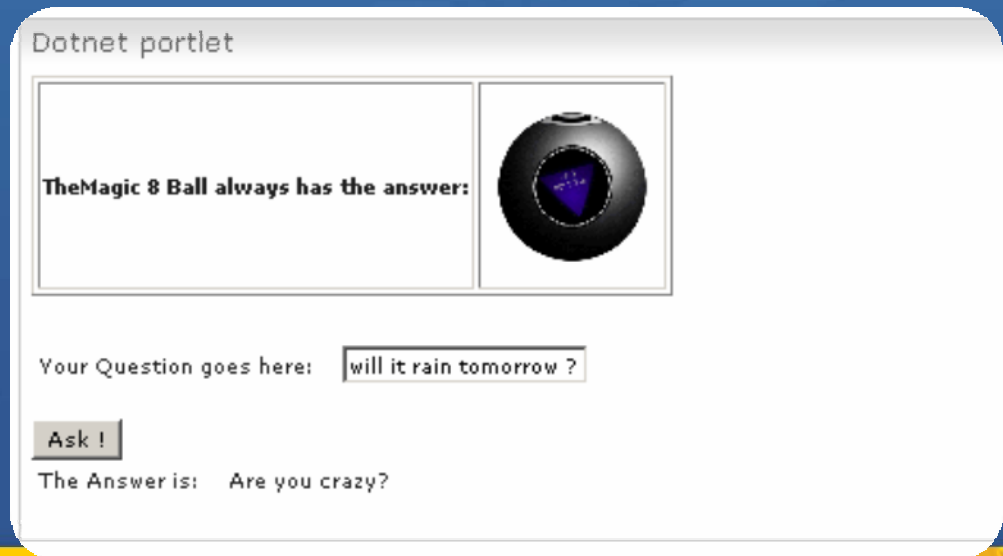
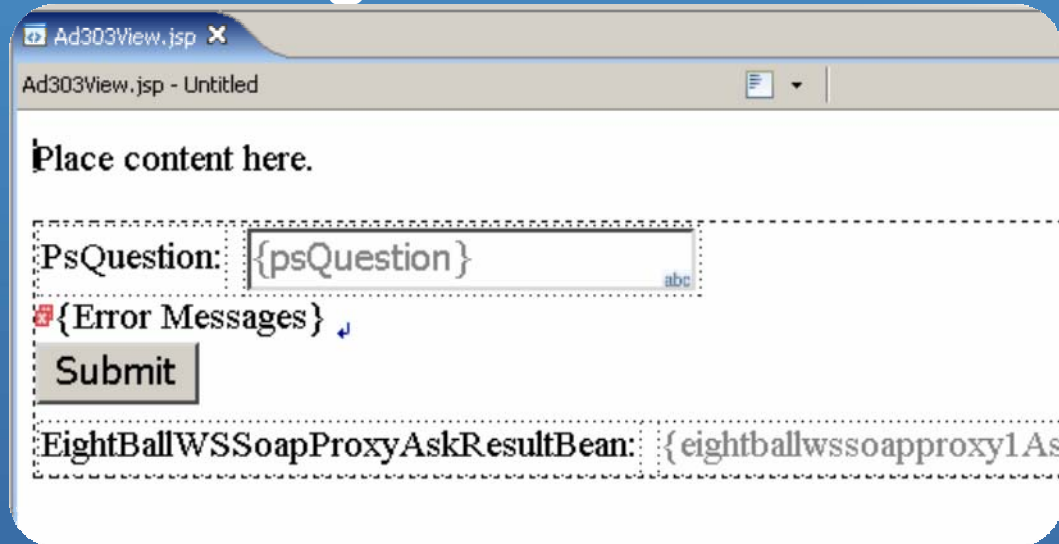
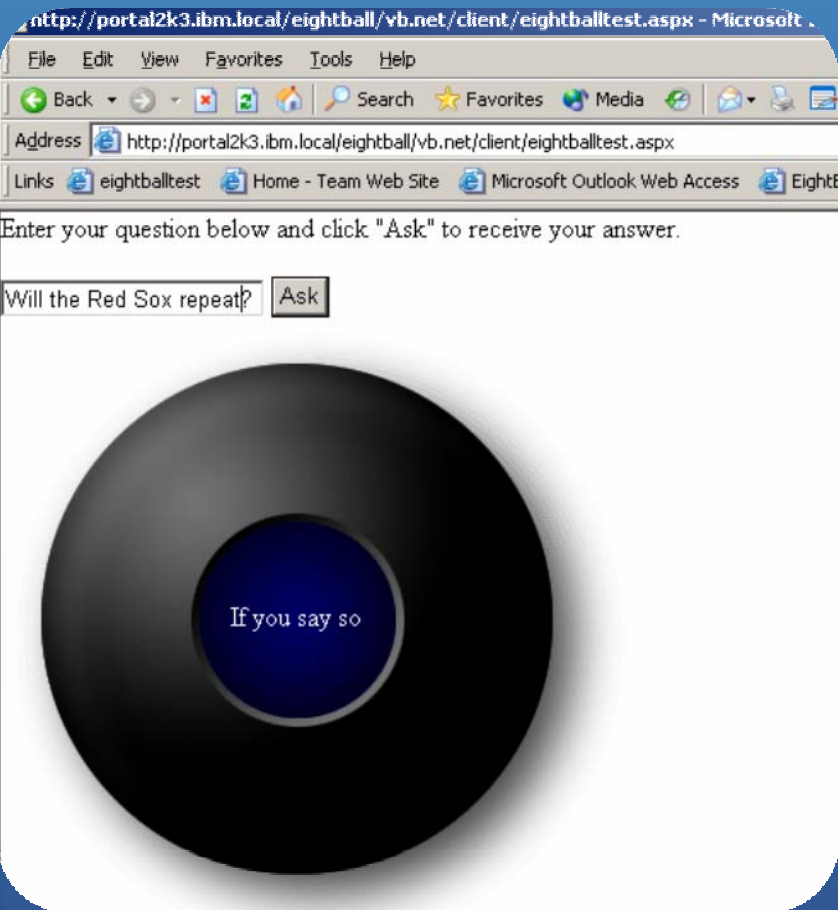
Buttons are JSPs

From	Subject	Size	Received
Date: Older			
@ wpsadmin	Quick email	206 KB	Tue 9/12/2006 3:15 PM
@ wpsadmin	Birmingham is hard to find	206 KB	Wed 9/6/2006 1:25 PM
@ wpsadmin	Please Look at this doc	206 KB	Tue 9/5/2006 9:13 AM
@ wpsadmin	review	206 KB	Tue 9/5/2006 8:37 AM
wpsadmin	FW: SharePoint Site: http://porta...	5 KB	Fri 1/21/2005 4:30 AM
Administrator	Hello world	4 KB	Thu 10/14/2004 10:14 PM
Outlook 2003 Te...	Welcome to Microsoft Office Ou...	35 KB	Wed 10/13/2004 9:24 PM

ActiveX Component

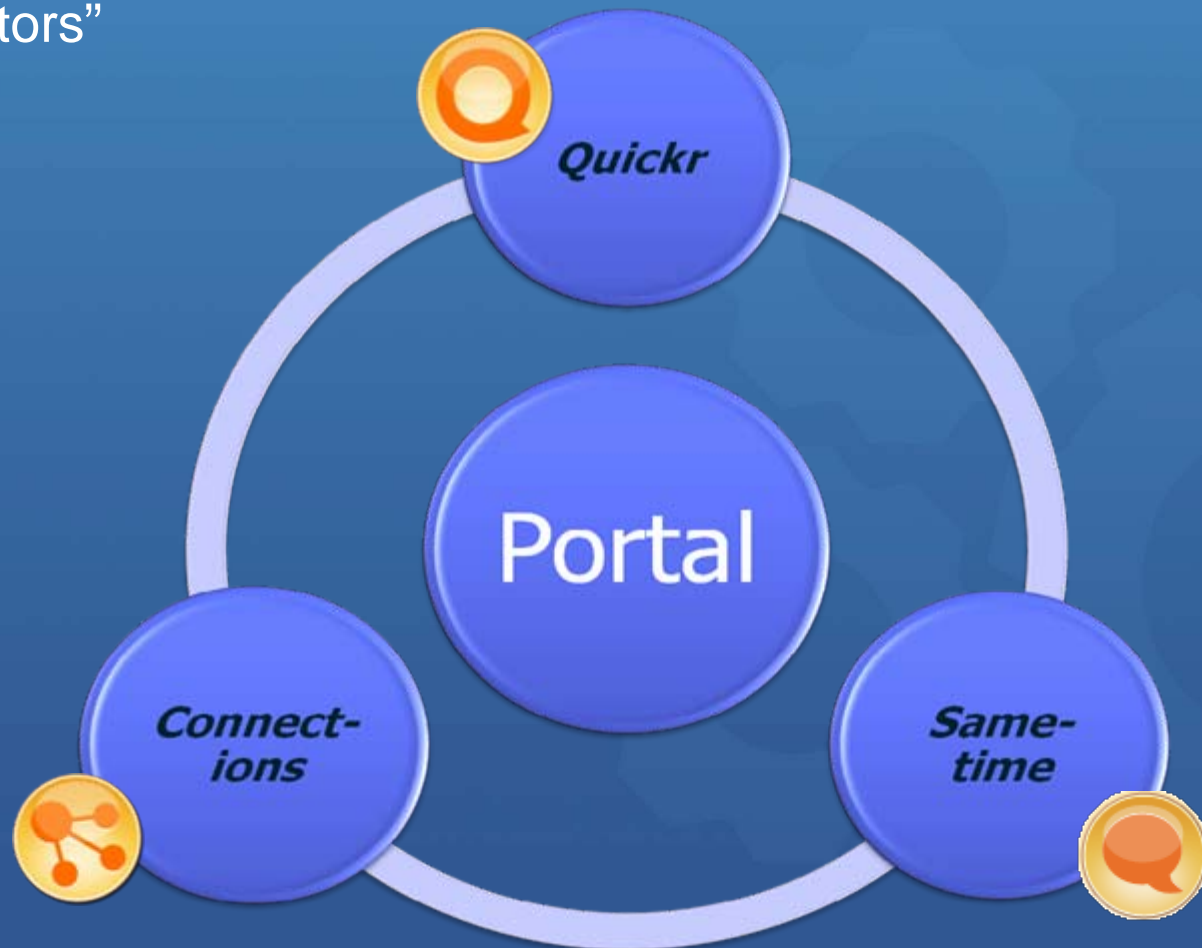


Web Services with IBM Tooling



IBM Collaboration Accelerator

- ◉ Limited License to Portal Framework
- ◉ Desktop “Connectors”



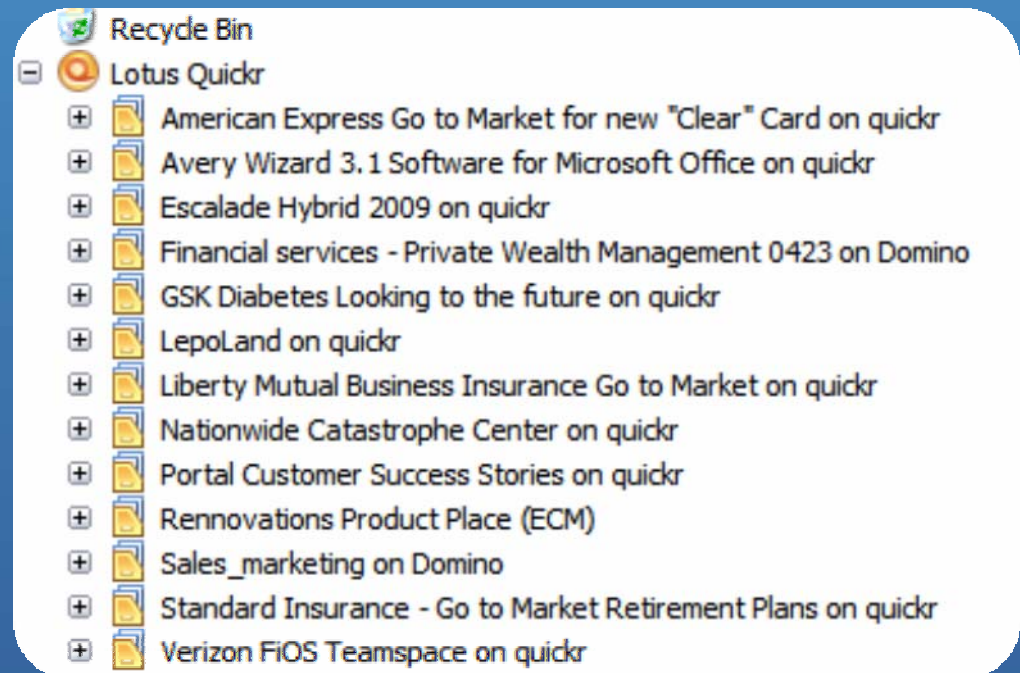
Connectors for Quickr

6 Connectors

1. MS File System
2. MS Office
3. Lotus Notes
4. Sametime
5. Portal / Browser
6. Outlook

Backend Libraries

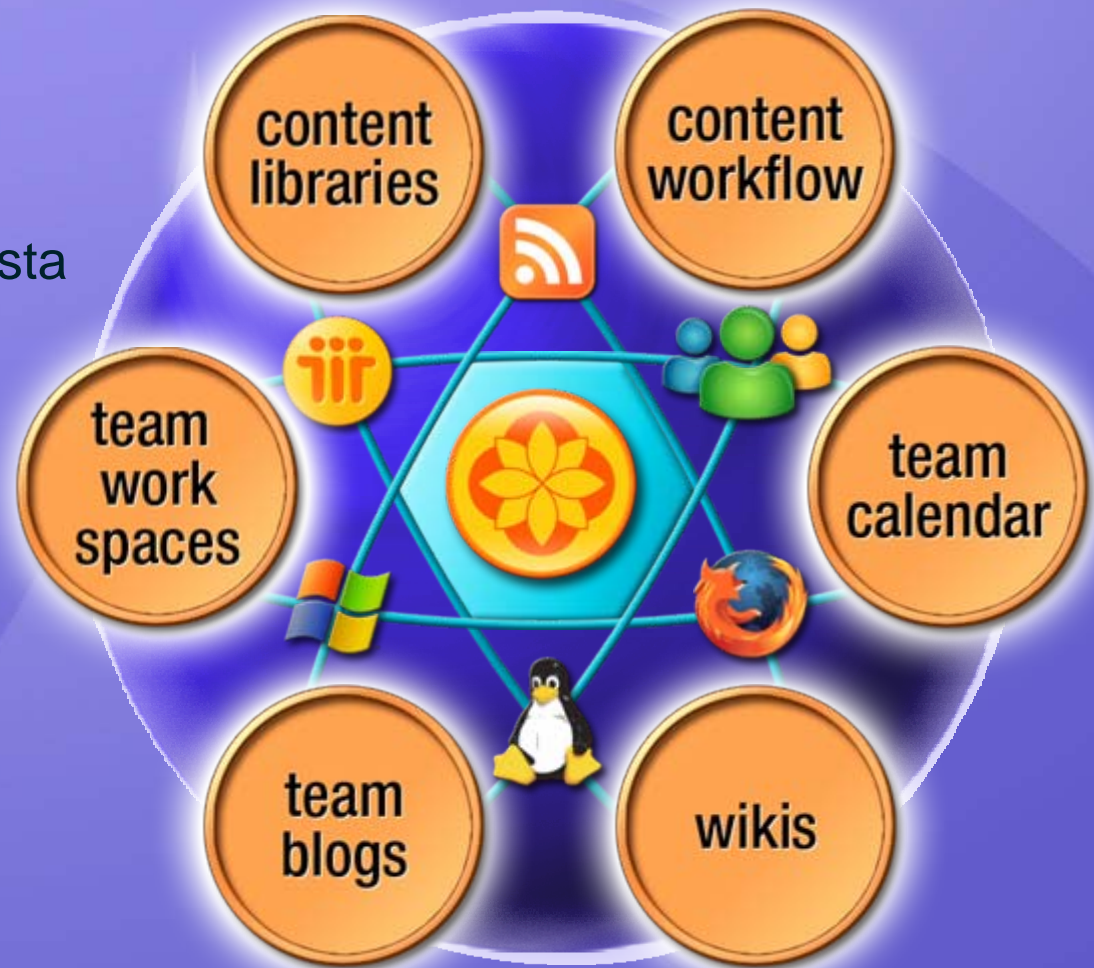
1. Domino
2. J2EE (Portal)
3. FileNet
4. Sharepoint
5. JCR / Java



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

content repositories

content repositories

content repositories

content repositories

Lotus Quickr

WebSphere Portal Version 6.0










NSF

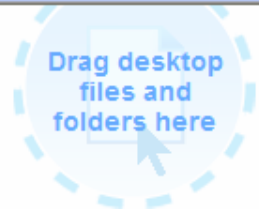




-  [CAD Drawing floor.DXF](#)
Updated 8/13/07 12:09 PM EDT by Adam Adams

No description
Added by: Frank Adams
Last modified: Aug 13, 2007 21:45:42 PM EDT
Document type: Default
Location: [Renovations Product Place](#)
-  [Hurricane Preparedness Plan.doc](#)
Updated 8/13/07 12:09 PM EDT by Adam Adams
-  [LCS-ConnectionsIntegration.out](#)
Updated 8/13/07 10:24:54 PM EDT by Frank Adams/renovations | First created on 8/8/07 8:40:38 AM EDT
-  [Press Release.doc](#)
Updated 8/23/07 9:07:48 PM EDT by Frank Adams/renovations | First created on 8/23/07 9:09:07 PM EDT
-  [Renovations.doc](#)
Updated 8/10/07 7:59:49 PM EDT by Frank Adams/renovations | First created on 8/10/07 8:00:46 PM EDT
-  [WebSite Viso File](#)
Updated 8/13/07 9:50:04 PM EDT by Gardner Raynes/renovations | First created on 11/29/06 6:56:34 AM EST
Document is checked out by David E. Kajmo

210 FILTERS W/O PARENT APP

-  **CAD Drawing floor.DXF**
Updated 8/13/07 9:45:42 PM EDT by [Frank Adams/renovations](#) | First created on 11/29/06 6:57:50 AM EST
-  **Hurricane_Katrina_LA_landfall_radar.gif**
Updated 8/13/07 9:46:35 PM EDT by [Frank Adams/renovations](#) | First created on 6/28/07 12:09:45 PM EDT
-  **LCS-ConnectionsIntegration.odt**
Updated 8/13/07 10:24:54 PM EDT by [Frank Adams/renovations](#) | First created on 8/13/07 8:40:38 AM EDT
-  **Press Release.doc**
Updated 8/23/07 9:07 PM EDT by [Frank Adams/renovations](#) | First created on 8/23/07 9:09:07 PM EDT
-  **Renovations.doc**
Updated 8/10/07 7:57 PM EDT by [Frank Adams/renovations](#) | First created on 8/10/07 8:00:46 PM EDT
-  **WebSite Viso File**
Updated 8/13/07 9:50 PM EDT by [Gardner Raynes/renovations](#) | First created on 11/29/06 6:56:34 AM EST
-  **Word We Sales Event**
Updated 8/23/07 9:11 PM EDT by [Frank Adams/renovations](#) | First created on 8/23/07 9:11:03 PM EDT
















- Summary
-  View document
-  Download
- Copy to...
- Set Access
- Comments
- Versions
- Properties

TAKE ACTION, COLLABORATE

SEAMLESS INTEGRATION W/ BACKENDS*

Drag desktop files and folders here

-  CAD Drawing floor.DXF
Updated 8/13/07 9:45:42 PM EDT by [Frank Adams/renovations](#) | First created on 11/29/06 6:57:50 AM EST
-  Hurricane_Katrina_LA_landfall_radar.gif
Updated 8/13/07 9:46:35 PM EDT by [Frank Adams/renovations](#) | First created on 6/28/07 12:09:45 PM EDT
-  LCS-ConnectionsIntegration.odt
Updated 8/13/07 10:24:54 PM EDT by [Frank Adams/renovations](#) | First created on 8/8/07 8:40:38 AM EDT
-  Press Release.doc
Updated 8/23/07 9:07:00 PM EDT by [Frank Adams/renovations](#) | First created on 8/23/07 9:07:00 PM EDT
-  Renovations.doc
Updated 8/10/07 7:59:46 PM EDT by [Frank Adams/renovations](#) | First created on 8/10/07 7:59:46 PM EDT
-  WebSite Viso File
Updated 8/13/07 9:50:34 AM EDT by [Raynes/renovations](#) | First created on 8/13/07 6:56:34 AM EST
-  World Wide Sales E
Updated 8/23/07 9:11:00 PM EDT by [Frank Adams/renovations](#) | First created on 8/23/07 9:11:00 PM EDT

- Summary
-  View document
-  Download
-  Check Out
-  Edit Document
-  Edit Properties
-  Replace
- More Actions >
- Filing Actions >
- Comments
- Versions
- Properties

- Make this a record**
- File a copy as a record
- Restore from record
- Manage records
- View retention policy

Library - Renovations Product Place - IBM Lotus Quickr

- CAD Drawing floor.DXF
Updated 8/13/07 9:45:42 PM EDT by Frank Adams/renovations | First created on 11/29/06 6:57:58 AM EST
- Hurricane_Katrina_LA_landfall_radar.gif
Updated 8/13/07 9:46:35 PM EDT by Frank Adams/renovations | First created on 6/28/07 12:09:45 PM EDT
- LCS-ConnectionsIntegration.odt
Updated 8/13/07 10:24:54 PM EDT by Frank Adams/renovations | First created on 8/8/07 8:40:38 PM EDT
- Press Release.doc
Updated 8/23/07 9:07:48 PM EDT by Frank Adams/renovations | First created on 8/23/07 9:09:07 PM EDT
- Renovations.doc
Updated 8/10/07 7:59:49 PM EDT by Frank Adams/renovations | First created on 8/10/07 8:00:46 PM EDT
- WebSite Viso File
Updated 8/13/07 9:50:04 PM EDT by Gardner Raynes/renovations | First created on 11/29/06 6:56:34 AM EST

IBM Lotus Sametime Connect

File Edit View Tools Help

Contacts

All | Cambridge MA

Type to find name

Work (13/20)

- Frank Adams
- Ted Amado
- Betty Zechman
- Dennis Michaels

Sametime News

Primary Contacts

My Lotus Learning

Lotus Quickr

- Renovations Product Place on quickr
 - Budgets
 - Product Reviews
 - budget_2.xls
 - CAD Drawing floor.DXF
 - Hurricane_Katrina_LA_landfall_radar.gif
 - LCS-ConnectionsIntegration.odt

Renovations Product Place on quickr Actions

Sales Data

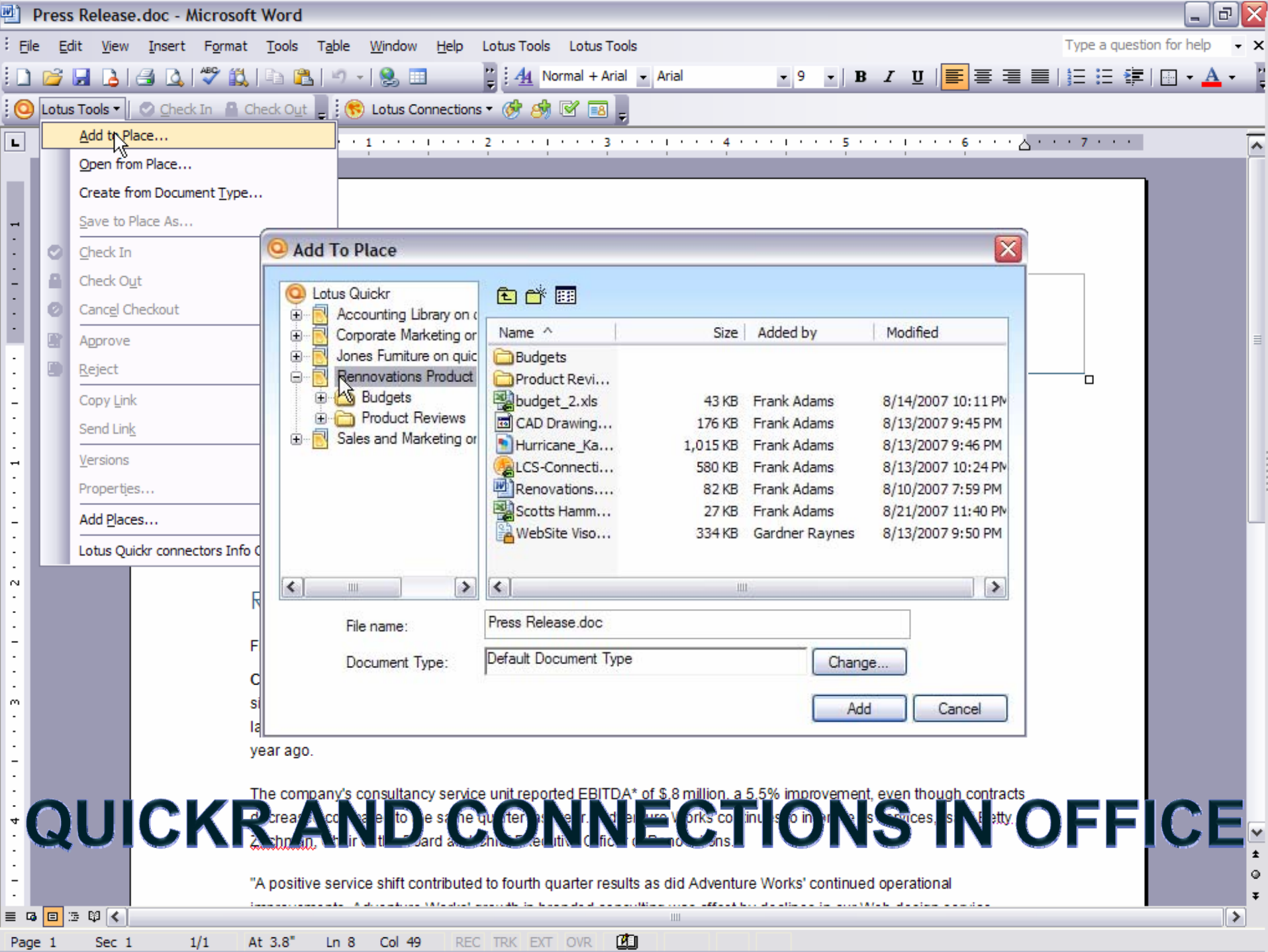
Phone Status

Dogear Bookmarks

Lotus Sametime 7.5.1 Blue

Connected

SAMETIME INTEGRATION

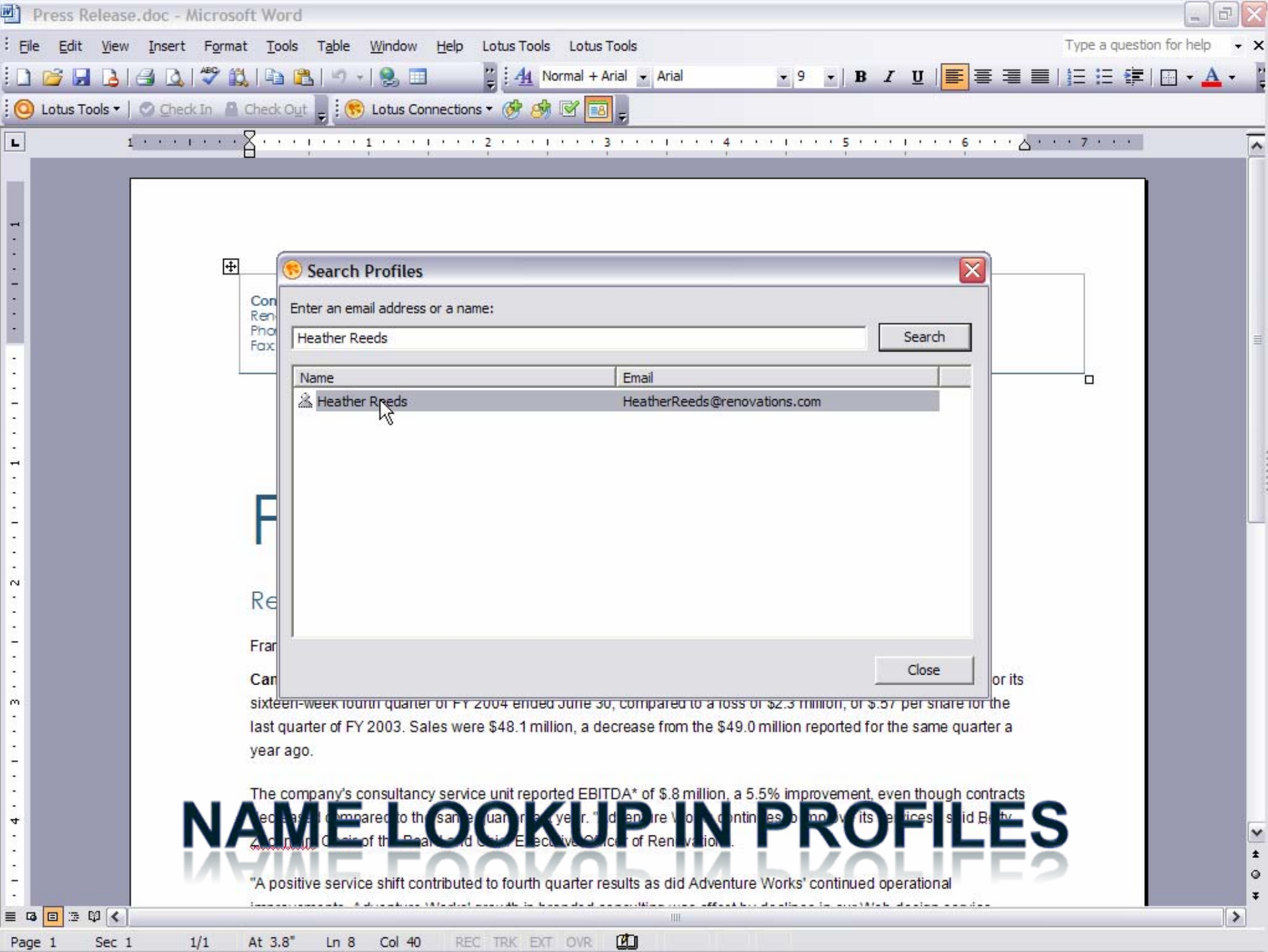


QUICKR AND CONNECTIONS IN OFFICE

year ago.

The company's consultancy service unit reported EBITDA* of \$ 8 million, a 5.5% improvement, even though contracts decreased to the same quarter as last year. Adventure Works continues to improve its services, as Betty Zerkow, Chair of the Board and Chief Executive Officer of the company, said:

"A positive service shift contributed to fourth quarter results as did Adventure Works' continued operational improvements. Adventure Medical results in third quarter were affected by declines in our Web design services



Search Profiles

Enter an email address or a name:


Heather Reeds

Name	Email
Heather Reeds	HeatherReeds@renovations.com

NAME LOOKUP IN PROFILES

The company's consultancy service unit reported EBITDA* of \$0.8 million, a 5.5% improvement, even though contracts decreased compared to the same quarter a year ago. The company's operations continue to improve, its services said Betty Z. ... Chief of the Board and Chief Executive Officer of Renovations.

"A positive service shift contributed to fourth quarter results as did Adventure Works' continued operational improvements. Adventure Medical results in fourth quarter were affected by declines in our Medical device product

Contact: Frank Adams Renovations Phone: 617-555-0100 Fax:	One Rogers St. Cambridge MA 02142	
--	--------------------------------------	--

Post to Blog [X]

Title:

Tags:

Blog:

Post as draft

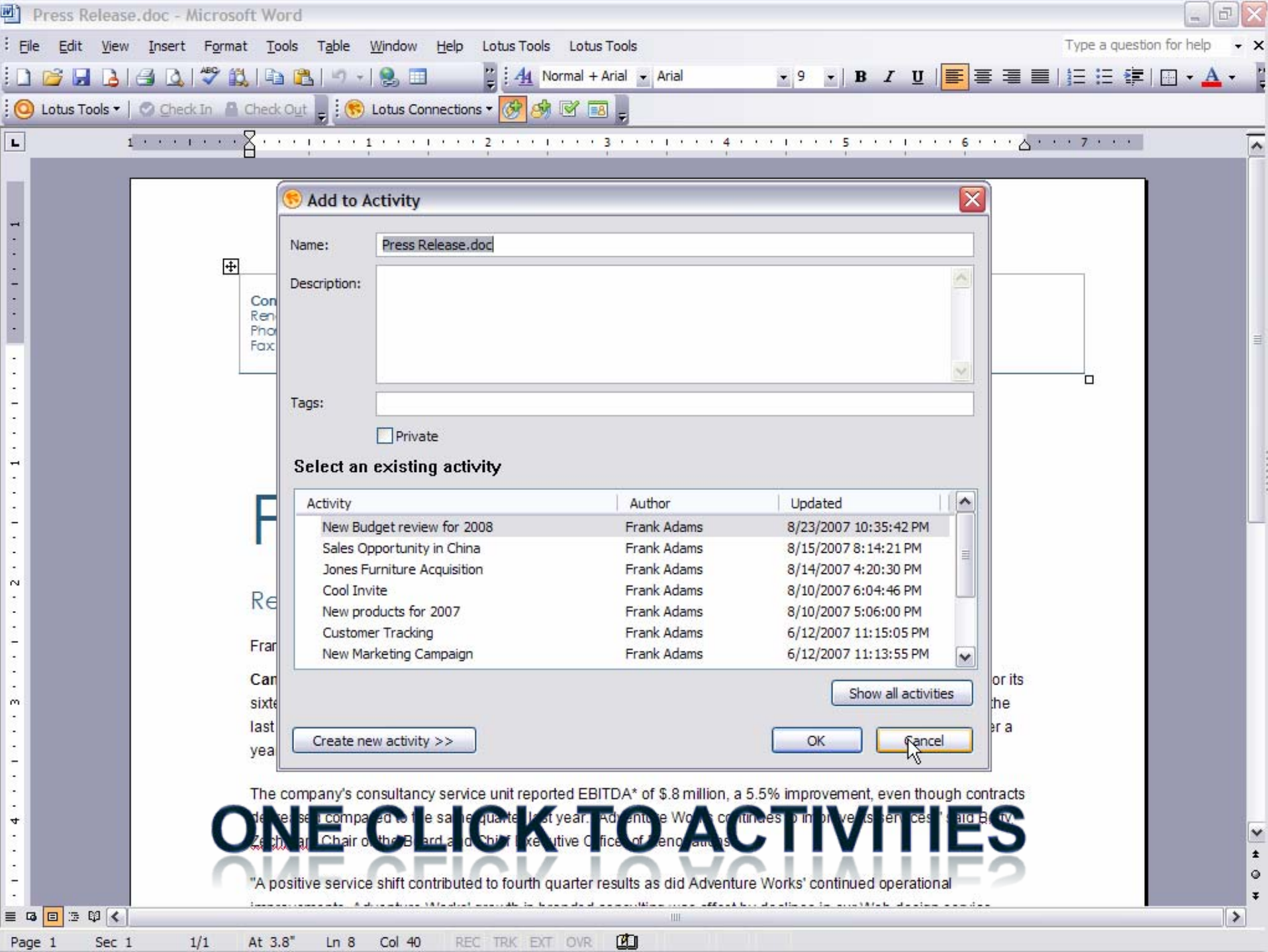
Note: Any images included in this document will not be included in the blog post.

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.

The company's consultancy service unit reported EBITDA* of \$1.8 million, a 50% improvement driven through contracts decrease compared to the same period last year. "Adventure Works continues to improve its services," said Betty 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 improvements. Adventure Medical results in headed consulting was affected by declines in our Med device sector.



Add to Activity

Name:

Description:

Tags:

Private

Select an existing activity

Activity	Author	Updated
New Budget review for 2008	Frank Adams	8/23/2007 10:35:42 PM
Sales Opportunity in China	Frank Adams	8/15/2007 8:14:21 PM
Jones Furniture Acquisition	Frank Adams	8/14/2007 4:20:30 PM
Cool Invite	Frank Adams	8/10/2007 6:04:46 PM
New products for 2007	Frank Adams	8/10/2007 5:06:00 PM
Customer Tracking	Frank Adams	6/12/2007 11:15:05 PM
New Marketing Campaign	Frank Adams	6/12/2007 11:13:55 PM

The company's consultancy service unit reported EBITDA* of \$8 million, a 5.5% improvement, even though contracts
ONE CLICK TO ACTIVITIES?
"A positive service shift contributed to fourth quarter results as did Adventure Works' continued operational



IBM Lotus Sametime Connect

Renovations 2006 Budgets

File Edit View Favorites Tools Help

Back Search Folders

Address: Lotus Quickr\Renovations Product Place on quickr\Budgets\Renovations 2006 Budgets

Folders	Name ^	Size	Added by	Modified
Desktop	2005 Budgets			
My Documents	Event budge...	27 KB	Frank Adams	8/22/2007 4:26 PM
My Computer	Event budge...	27 KB	Frank Adams	8/22/2007 4:26 PM
My Network Places				
Recycle Bin				
Lotus Quickr				
Accounting Library on quickr				
Corporate Marketing on quickr				
Jones Furniture on quickr				
Renovations Product Place on quickr				
Budgets				
Renovations 2006 Budgets				
Product Reviews				
Sales and Marketing on quickr				
Code				
data				
Demo VMWare				
Examples				
IBMv7Photo				
Movies				
notes_8_demo_ids				
Notesbackupfiels				
portal				
Presentations				
Renovations 2006 Budgets				

Renovations 2006 Budgets



DRAG & DROP

Connected

Document Created Successfully

Edit your document. If you click Done, you will be re

Done

Editor launched for 'World Wide Sales Event.xls'. Changes saved to draft.

Submit for Approval Save as Working Draft Cancel [Open the editor again](#)

Saving to Document Manager

World Wide Sales Event.xls

Cancel

- Explore Home Learn More Help Search Center
- Tools Find People Lotus Quickr Connectors
- Work Create a Place Manage Places

Collapse IBM

LEVERAGE OFFICE TEMPLATES

WORKFLOW & META DATA

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

Re: URGENT: Re: cvs latest swg version

Brian Chaput to: Gary Dolsen

09/26/2007 01:27 PM

Cc: Chris Crumme, 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



ONE CLICK SHARING IN NOTES

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
- Health 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 Succes: Actions

Activities

Glance

Sales Data

Feeds

Cisco Voicemail

My Lotus Learning

Send Send and File... Save as Draft Delivery Options... Display More

To: Cc: Bcc: Subject: [Empty fields for email header]

Default custom expiration date: 10/07/2008



How to Get FIOS.doc.qkr

Christopher C. Crumme
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 ...



ONE CLICK SHARING IN NOTES

Body of message

Right sidebar containing 'Sametime Contacts', 'Sidekick', 'Bluepages Client fo...', 'NetmeetingView', 'Lotus Quickr' (with file list), 'Activities', 'Sales Data', 'Feeds', 'Cisco Voicemail', and 'My Lotus Learning'.

Introducing

Lotus® Quickr™ Content Integrator



Microsoft Outlook
public folders



Microsoft
SharePoint
sites



Lotus Domino
Teamrooms



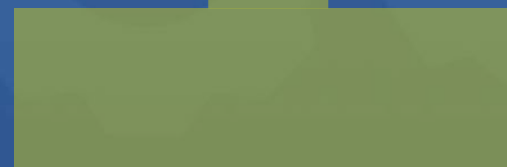
Lotus Domino
Document
Manager
libraries



Lotus® Quickr™
Content Integrator



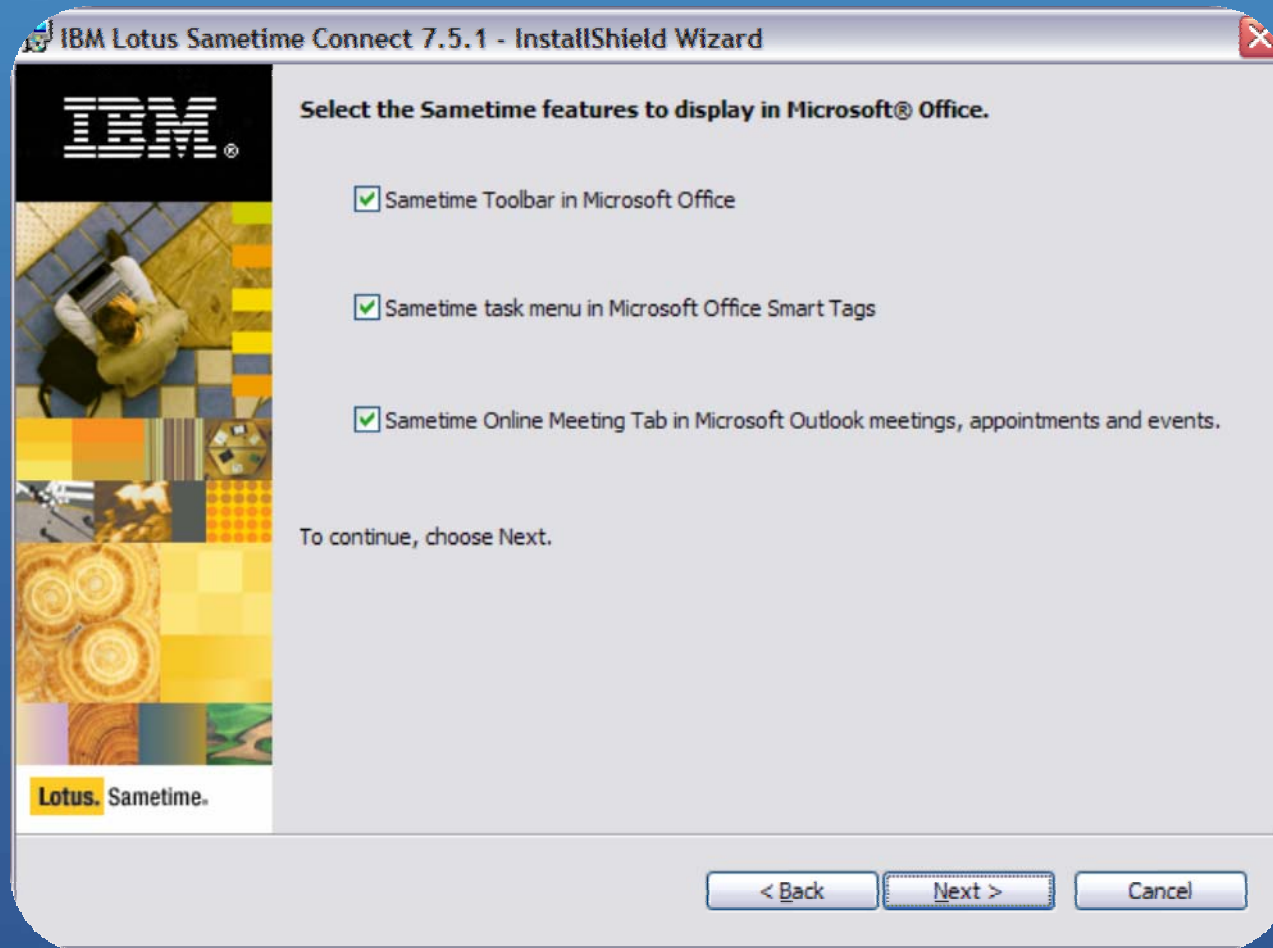
Lotus® Quickr™



Enterprise Content Management



Sametime Integration with Microsoft



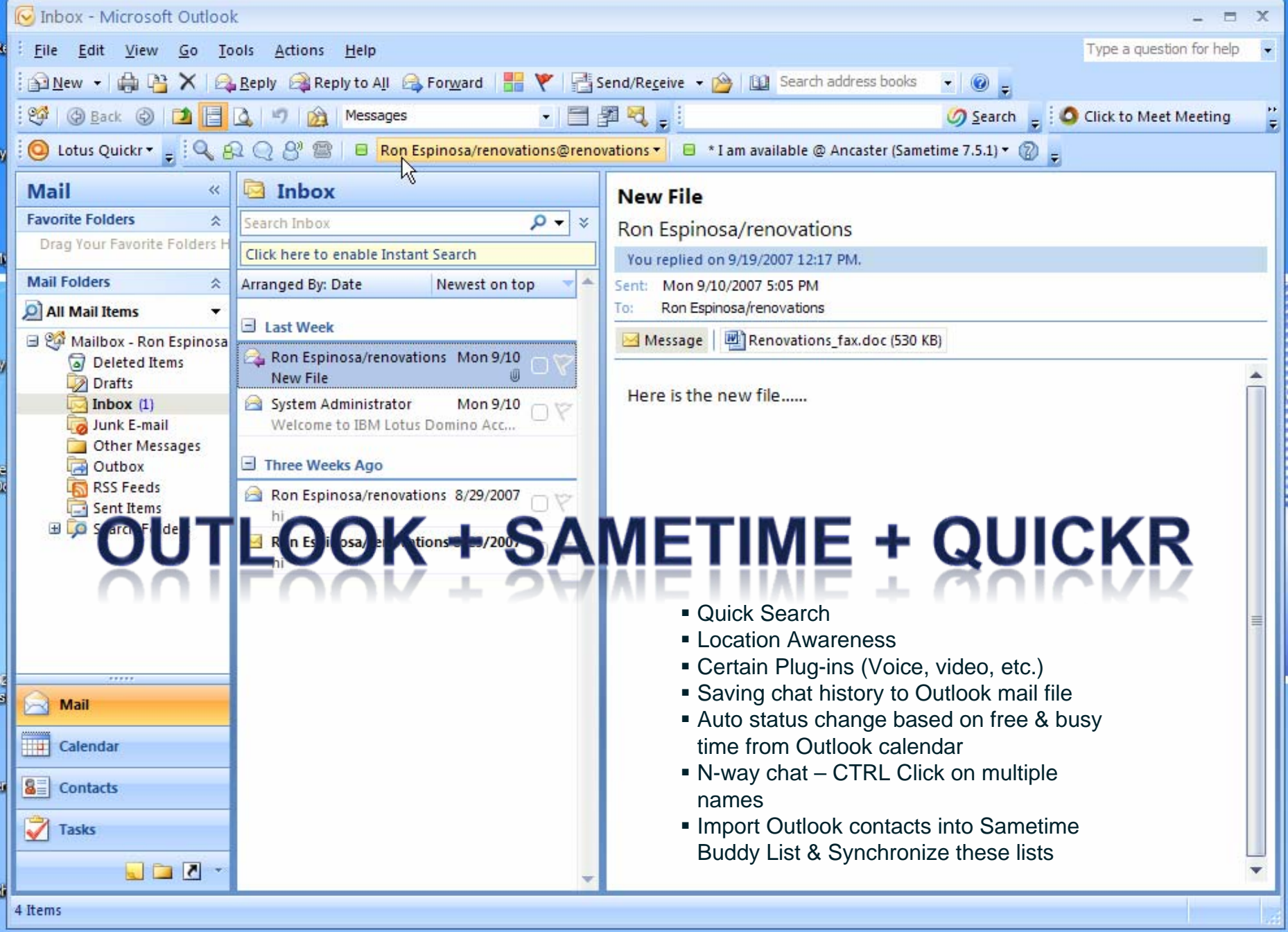
SAMETIME IN OFFICE

WebSphere Portal Administration

- Person: Chris Crumme
- (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 Crumme"
- Smart Tag Options...
- 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
- Accelerating 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



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

Mail

Favorite Folders

Drag Your Favorite Folders Here

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
 - Renovations 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
- Calendar
- Contacts
- Tasks

4 Items

Cancel Invitation
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
Spelling
Proofing

Options

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

Files

Click browse to add slides and files to the online meeting.

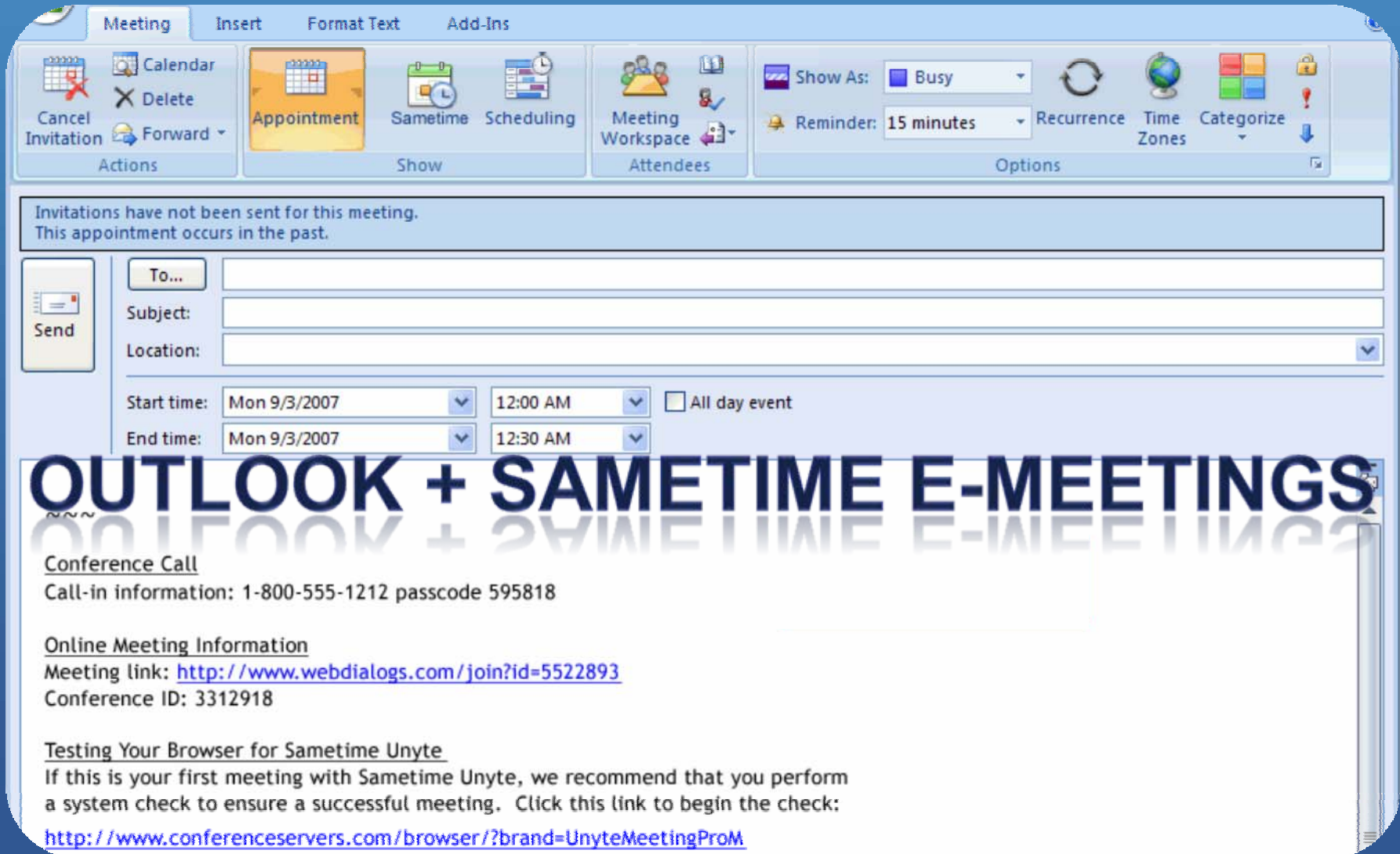
Browse...

Added files:

Remove Selected

OUTLOOK + SAMETIME E-MEETINGS

One click access from the invite



The screenshot shows the Microsoft Outlook interface for creating a meeting. The ribbon includes 'Meeting', 'Insert', 'Format Text', and 'Add-Ins'. The 'Appointment' tab is active, showing options like 'Cancel Invitation', 'Delete', 'Forward', 'Appointment', 'Sametime', 'Scheduling', 'Meeting Workspace', 'Attendees', 'Show As' (set to 'Busy'), 'Reminder' (set to '15 minutes'), 'Recurrence', 'Time Zones', and 'Categorize'. A message states: 'Invitations have not been sent for this meeting. This appointment occurs in the past.'

Send

To...
Subject:
Location:

Start time: Mon 9/3/2007 12:00 AM All day event
End time: Mon 9/3/2007 12:30 AM

OUTLOOK + SAMETIME E-MEETINGS

Conference Call
Call-in information: 1-800-555-1212 passcode 595818

Online Meeting Information
Meeting link: <http://www.webdialogs.com/join?id=5522893>
Conference ID: 3312918

Testing Your Browser for Sametime Unyte
If this is your first meeting with Sametime Unyte, we recommend that you perform a system check to ensure a successful meeting. Click this link to begin the check:
<http://www.conferenceservers.com/browser/?brand=UnyteMeetingProM>

Mail

Favorite Folders

- Inbox
- Unread Mail (2)

All Mail Folders

- Mailbox - Chris Crummev
 - 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

Mail

Calendar

Contacts

Tasks

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: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:0971e50045aa534d85>
- Retirement Plans with The Standard.doc** Wed 6/13/2007 ...
 Retirement Plans with The Standard.doc
 Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:a3a09c0045a31a8abc>
- Customer A.xlt** Wed 6/13/2007 1:37 PM
 Customer A.xlt
 Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:071c570045a43c14b9>
- Retirement.pdf** Wed 6/13/2007 1:37 PM
 Retirement.pdf
 Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:cd8ad60045a31cb7bc>
- Money Purchase Pension Plans** Wed 6/13/2007 1:37 PM
 Money Purchase Pension Plans
 Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:7de38d8045a318f8bc>
- Profit Sharing Plans** Wed 6/13/2007 1:37 PM
 Profit Sharing Plans
 Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:93d65b8045a318c2bc>
- Test message 2.doc** Sun 6/10/2007 11:00 AM
 Test message 2.doc
 Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:0971e50045aa534d85>
- Retirement Plans with The Standard.doc** Sun 6/10/2007 11:00 AM
 Retirement Plans with The Standard.doc
 Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:a3a09c0045a31a8abc>
- Customer A.xlt** Fri 6/8/2007 9:55 PM
 Customer A.xlt
 Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:071c570045a43c14b9>
- Retirement.pdf** Fri 6/8/2007 9:55 PM
 Retirement.pdf
 Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:071c570045a43c14b9>

Test message 2.doc

Source: <http://quickr.tap.ibm.com/lotus/my poc?uri=dm:0971e50045aa534d85feedf227c99b20&verb=view>

RSS TO OUR COLLABORATION

Lotus Connections Business Card within Sharepoint

Lotus Connections POC

Lotus Connections POC

Home

Lotus Connections POC > People and Groups

People and Groups: Lotus Connections POC Members

Use this group to give people contribute permissions to the SharePoint site: Lotus Connections POC

New Actions Settings

Picture	Name	About Me
<input type="checkbox"/>	Joseph Zanghi	
<input type="checkbox"/>	Mary A. Mciver	 <p>Mary A. [redacted] Warehousing & Distribution United States Building: 020-S [redacted] Office: 020 [redacted] 508 [redacted] 05 mary.a.mciver@[redacted].com</p> <p>Profile Blogs Doqear Activities</p>

Groups

- Lotus Connections POC Members
- Lotus Connections POC Visitors
- Lotus Connections POC Owners
- More...

All People

Site Permissions

View All Site Content

Documents

- Shared Documents

Lists

- Calendar
- Tasks

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

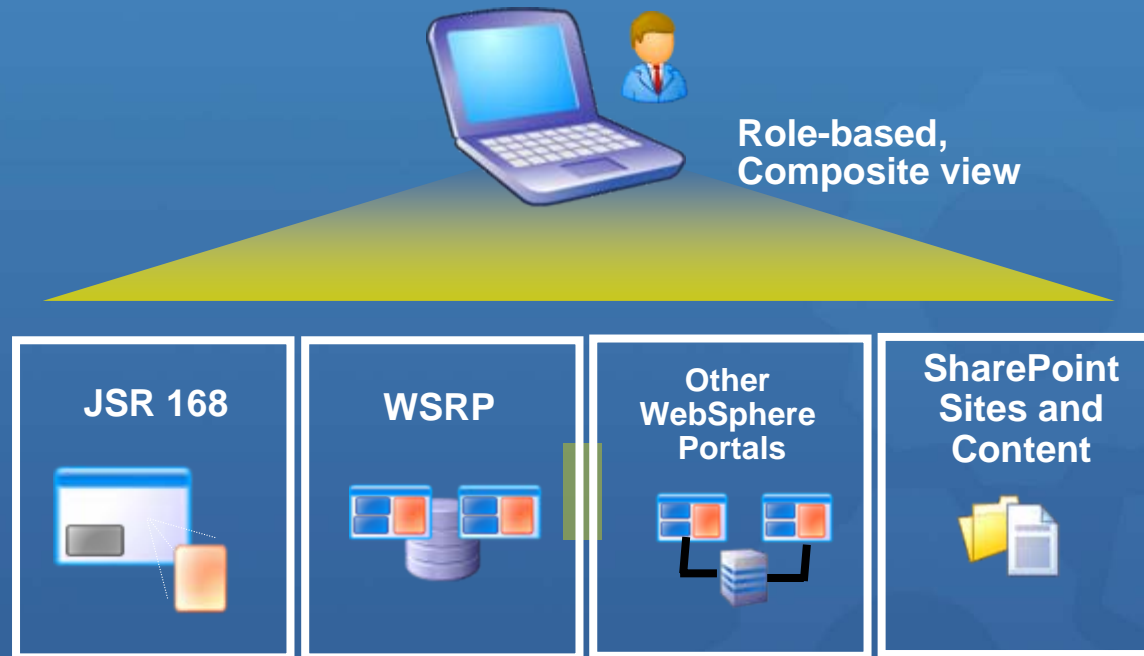


What value does Mainsoft bring to our Portal portfolio?

- 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**



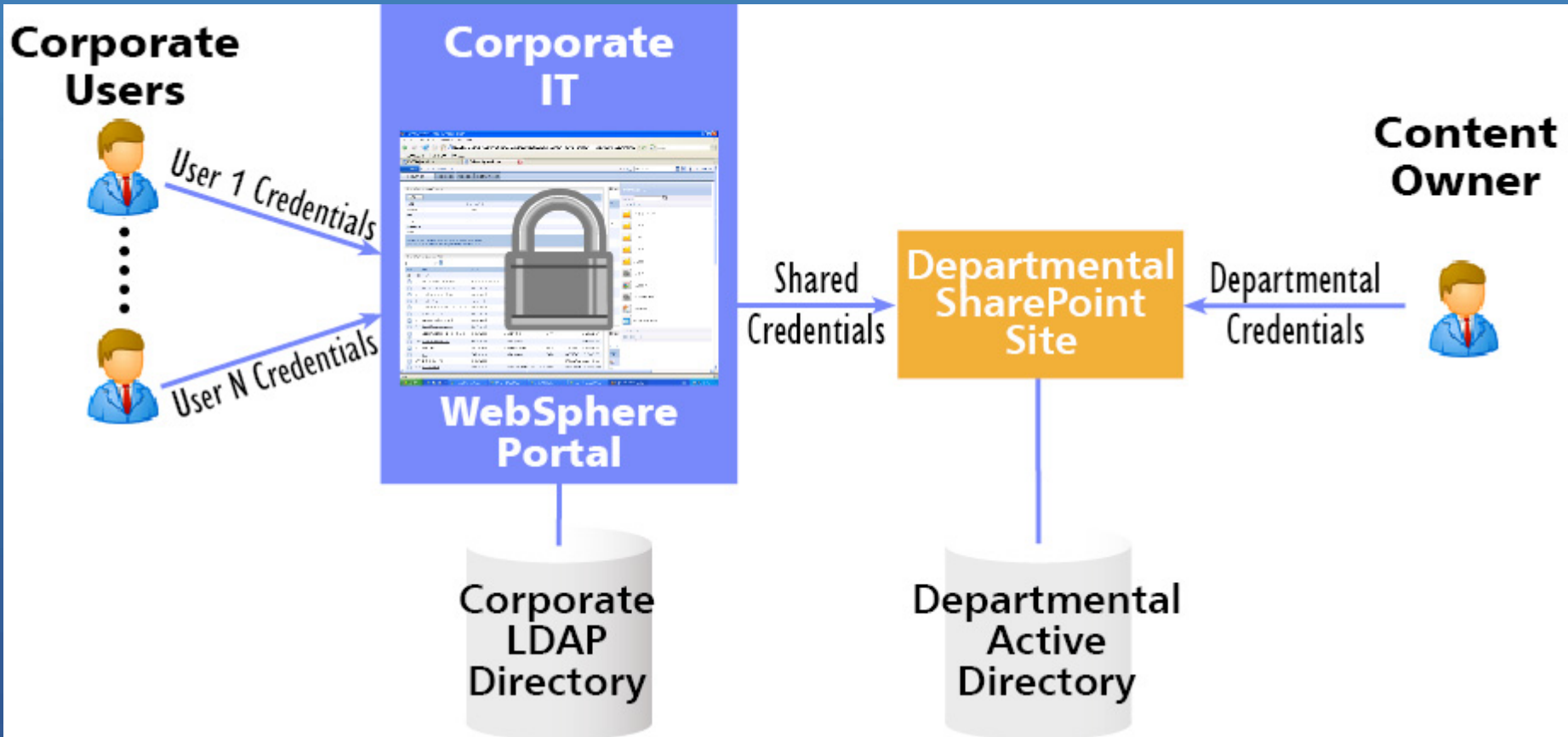
WebSphere Portal as the Federation Portal



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

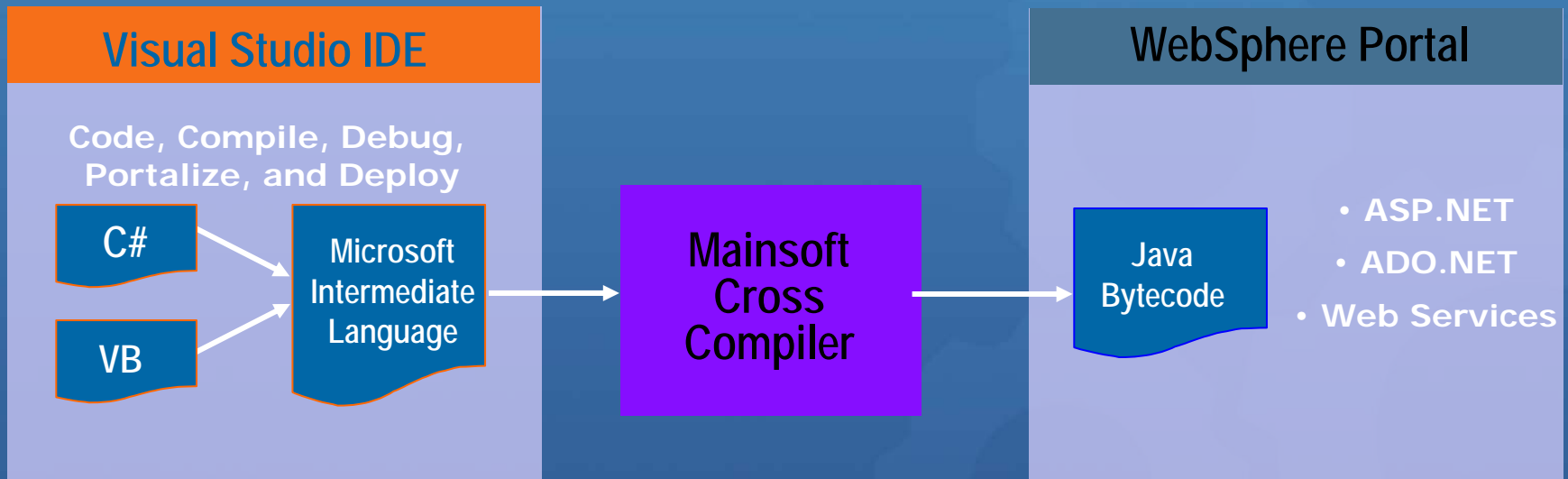


Centralized Access to Departmental SharePoint Sites



Mainsoft for Java EE, Portal Edition

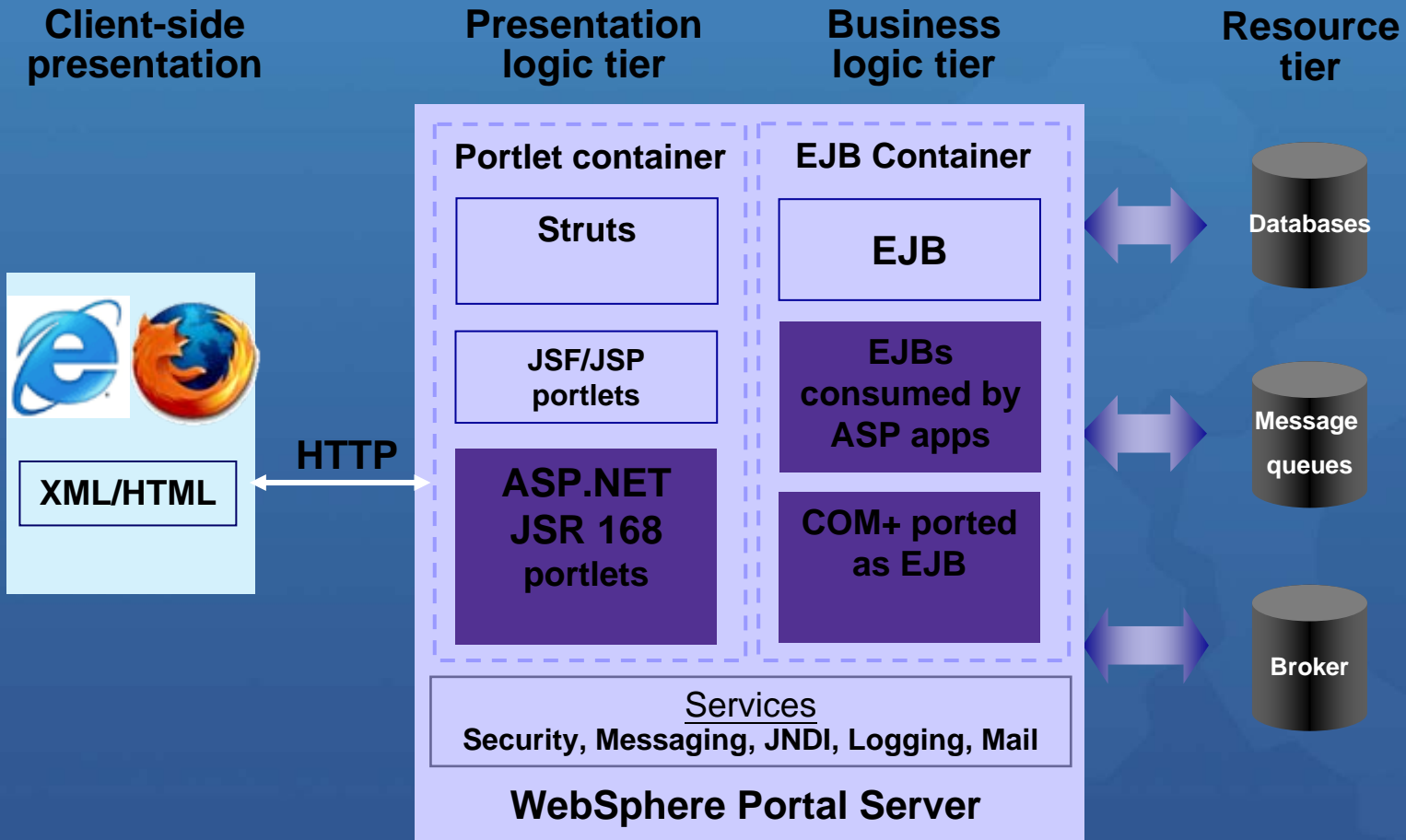
Enabling Technology



- ✓ 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

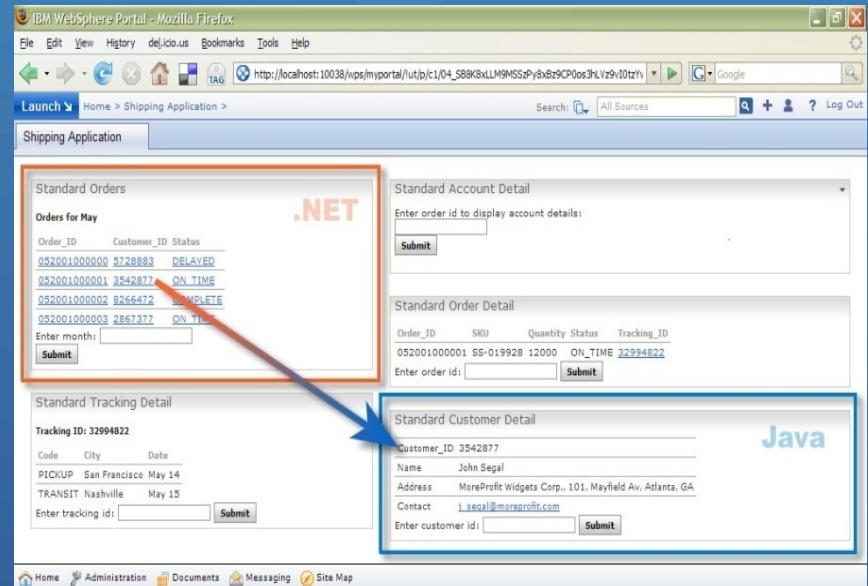
- Use existing .NET skills.
- Integrate existing ASP.NET applications.
- Federate contents stored on existing SharePoint sites and SQL Reporting Services.

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.

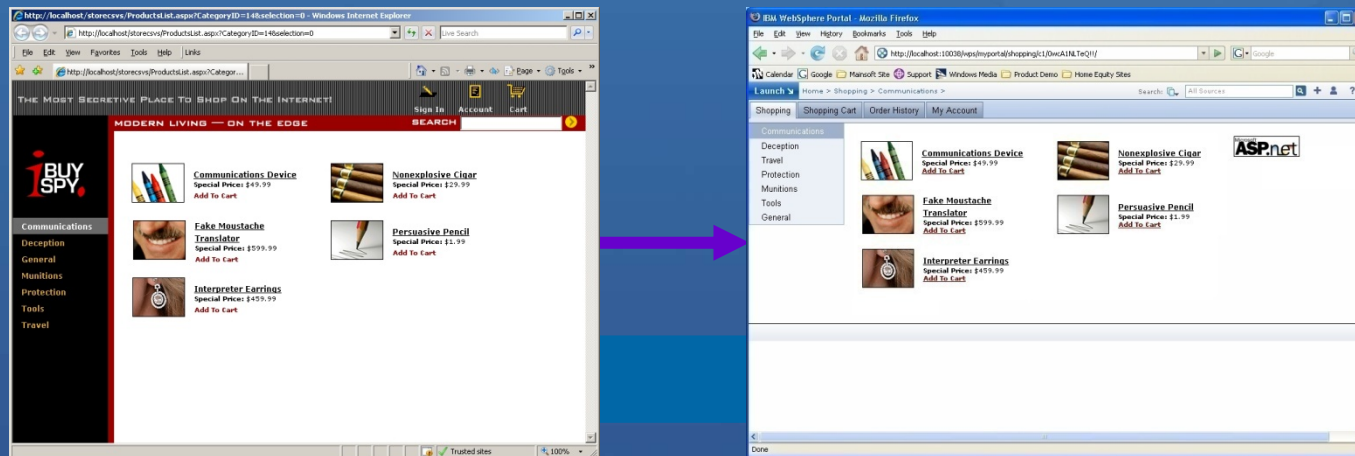


An example of on-the-glass integration between .NET and Java portlets.



.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.



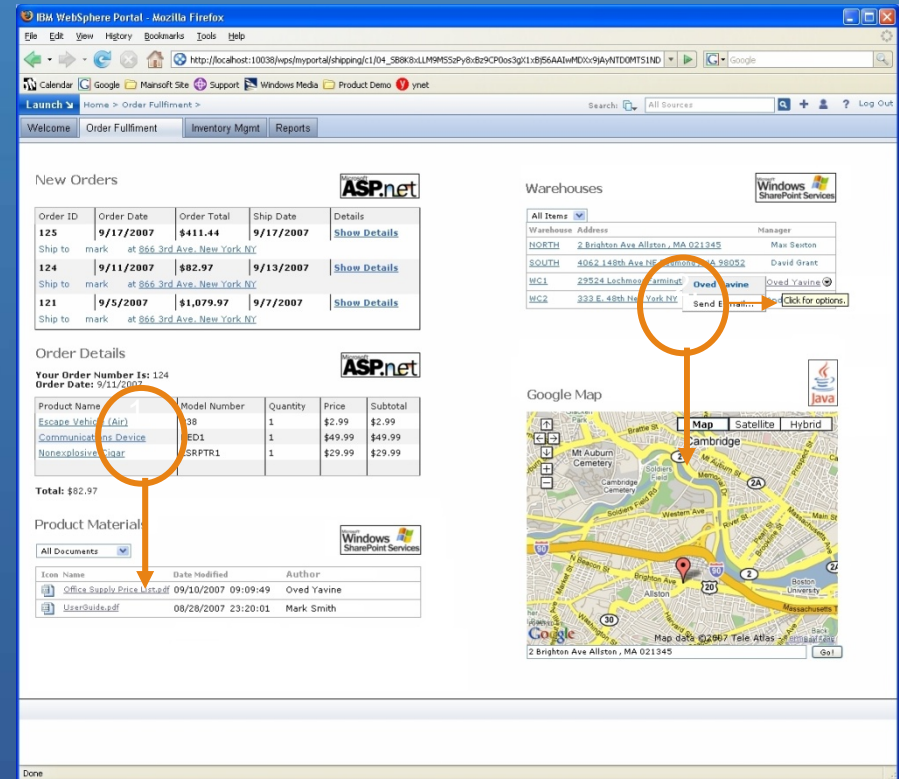
.NET Extensions for WebSphere Portal:

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.

The screenshot displays the IBM WebSphere Portal interface for an Inventory Management page. The page is titled 'Inventory Status KPI' and includes a 'Websphere Portlet Factory' logo. It features a table of inventory items, a bar chart for 'New Test Item Data', and a detailed 'Item Status Report' for 'RED1'.

Inventory Status KPI Table:

Item	North	South	East	West
Communications Device	96.0	22.0	33.0	44.0
Persuasive Pencil	11.0	16.0	11.0	16.0
Nonexplosive Cigar	45.0	46.0	66.0	64.0
Fake Moustache Translator	89.0	99.0	70.0	70.0
Interpreter Earnings	38.0	84.0	94.0	97.0

Item Status Report:

Warehouse: **NORTH**
 Item ID: **RED1**
 Qty. Available: **96**

Open Orders:

Order ID	Order Date	Name	Qty	Address
102	9/27/07	Maksim Baluyev	2	2675 Fayette Dr, Apt 304, Mountain View, CA, 94040
103	9/24/07	Mark Smith	3	866 3rd Ave, New York, NY
104	9/25/07	Maksim Baluyev	2	2675 Fayette Dr, Apt 304, Mountain View, CA, 94040
Total Qty.			7	

Purchase Orders:

PO Number	Vendor	PO Date	Est. Ship Date	Qty.
PO101	MAINSOFT	9/9/07	9/10/07	2
PO102	MAINSOFT	9/12/07	9/11/07	1
Total Qty.				3

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



Demo Screens



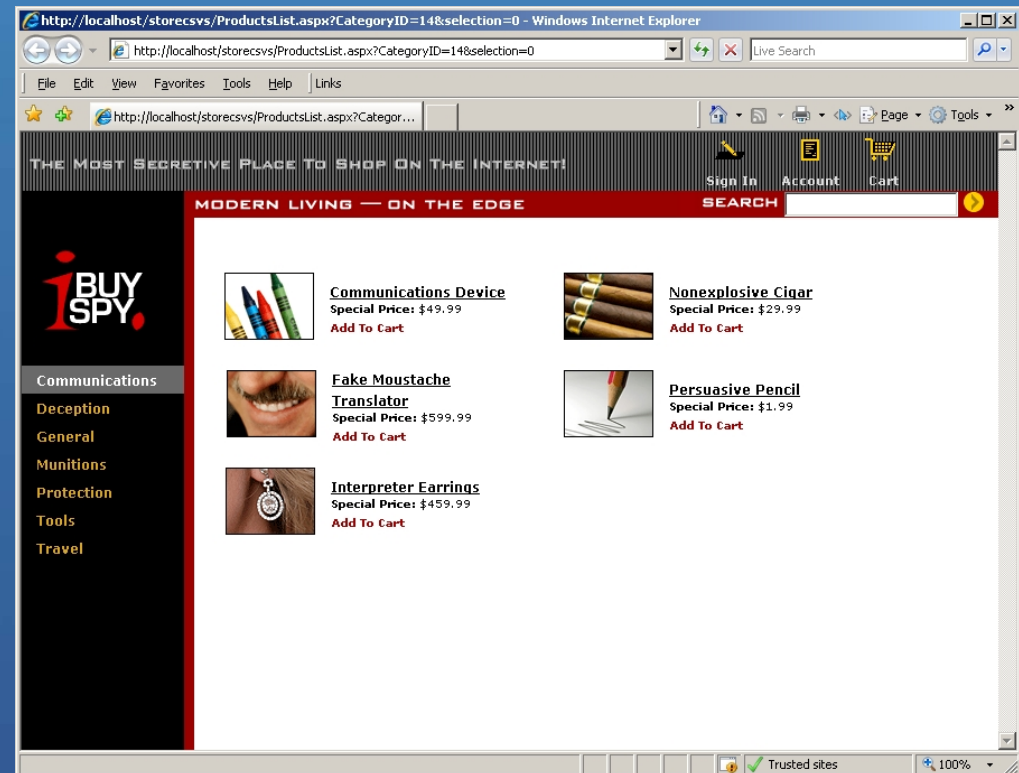
Integrate .NET Assets into WebSphere Portal

✓ 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.

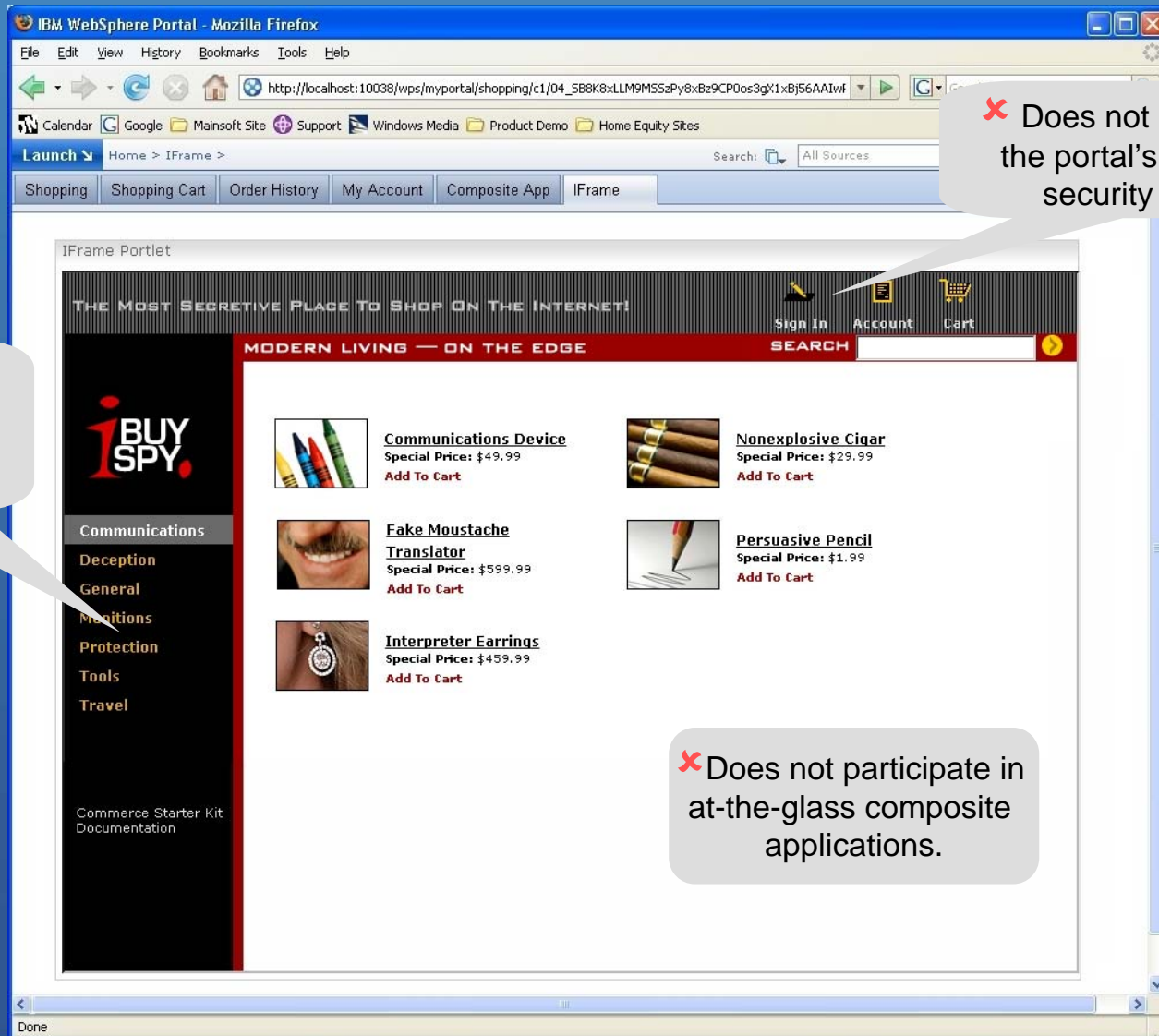


Using IFrames

Integrate ASP.NET into WebSphere Portal

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

✗ Maintains original branding and navigation.



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

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

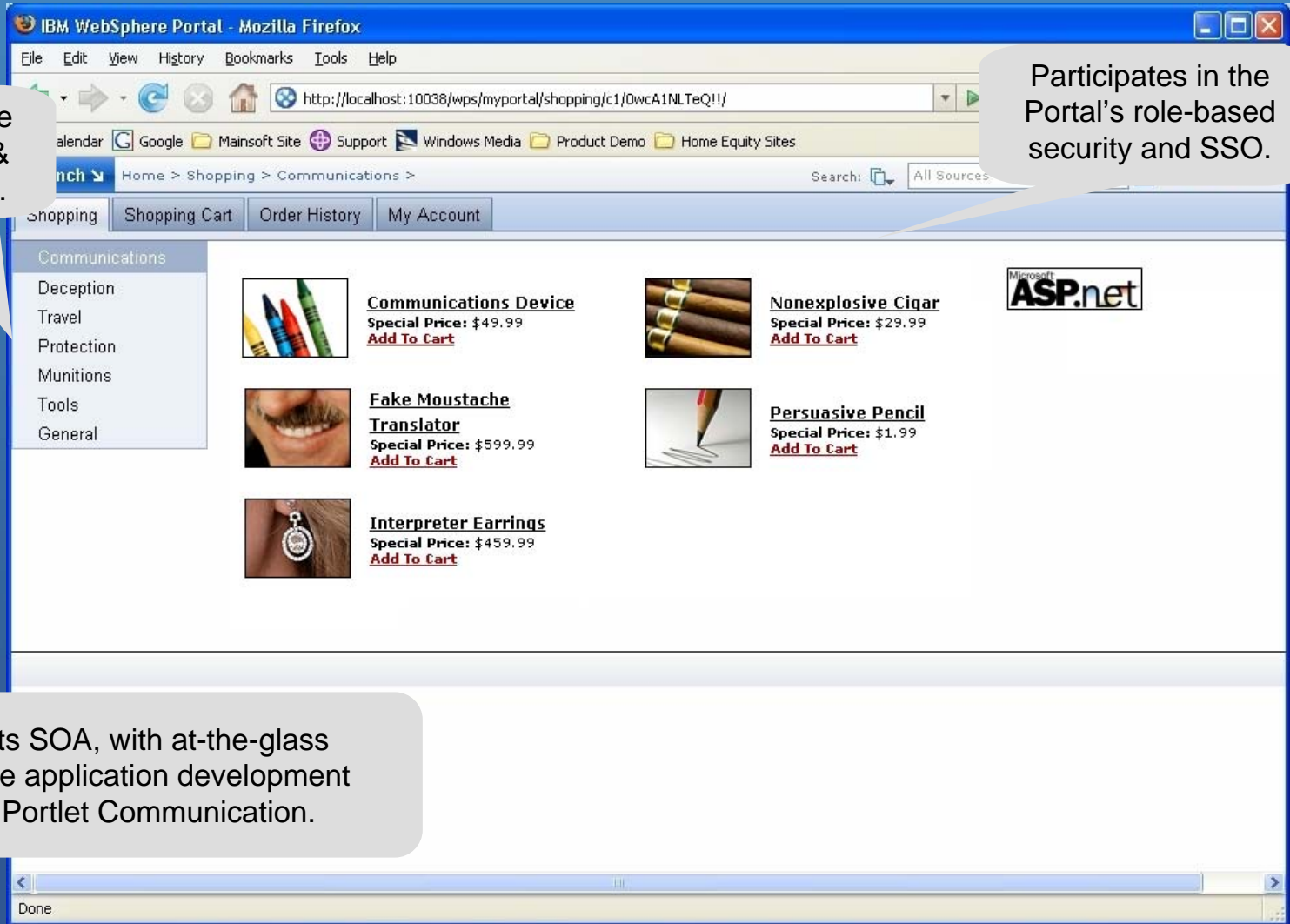


Using .NET Extensions

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

The screenshot shows a web browser window titled "IBM WebSphere Portal - Mozilla Firefox" with the URL http://localhost:10038/wps/myportal/shopping/c1/04_S8K8xLLM9M52Py8xBz9CP0os3gX1xBj56AAIwP3UC8XAYMFC18fExNjQ_dQU6E. The page contains several portlets:

- Order List (ASP.NET):** A table displaying a list of orders with columns for Order ID, Order Date, Order Total, Ship Date, and Details. A callout points to the "Show Details" link for order 122.
- Order Details (ASP.NET):** A table showing details for order 122, including Product Name, Quantity, Price, and Subtotal.
- Shipping Details (ASP.NET):** Information about the shipping process, including Order Number (122), Order Date (9/9/2007), Ship Date (9/10/2007), Tracking Number (128XR89716974JD210), and Package Progress (Houston, TX, USA; San Antonio, TX, USA; Austin, TX, USA; 866 3rd Ave, New York NY).
- Google Map:** A map of New York City showing the shipment route. A callout points to the map, indicating it is a mash-up between ASP.NET and a Java portlet.

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

The screenshot shows the IBM WebSphere Portal interface with the following sections:

- New Orders:** A table listing three orders with details like Order ID, Date, Total, and Ship Date.
- Order Details:** A table showing product information for order 124, including Product Name, Model Number, Quantity, Price, and Subtotal.
- Warehouses:** A table listing warehouse addresses and managers.
- Product Materials:** A table listing documents such as 'Office Supply Price List.pdf' and 'UserGuide.pdf' with their modification dates and authors.
- Google Map:** A map showing the location of a warehouse in Allston, MA.

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

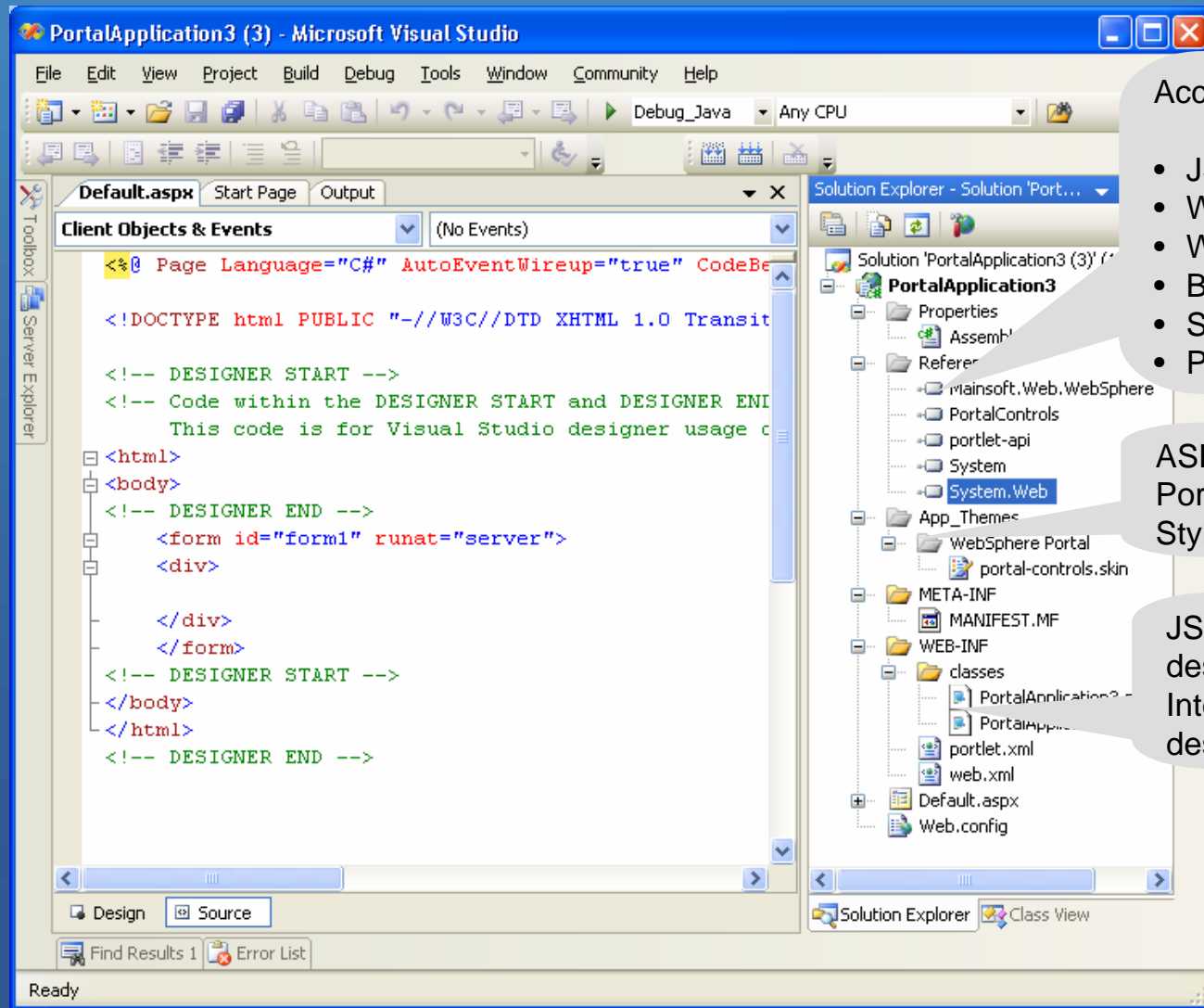
The screenshot displays an IBM WebSphere Portal interface. On the left, there is an 'Inventory Status KPI' dashboard with a table showing inventory levels for various items across four regions: North, South, East, and West. A callout bubble points to the 'Persuasive Pencil' row, which has low inventory in the South and East regions. Below the table is an 'Item Status Chart' showing a bar chart for 'Persuasive Pencil' across the four regions. On the right, there is an 'Item Status Report' for 'Persuasive Pencil' in the 'NORTH' warehouse. This report includes a table of 'Open Orders' and a table of 'Purchase Orders'. A callout bubble points to the 'Item Status Report' section, explaining that it federates Microsoft SQL Reporting Services to provide a drilldown of inventory, open orders, and purchase orders.

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

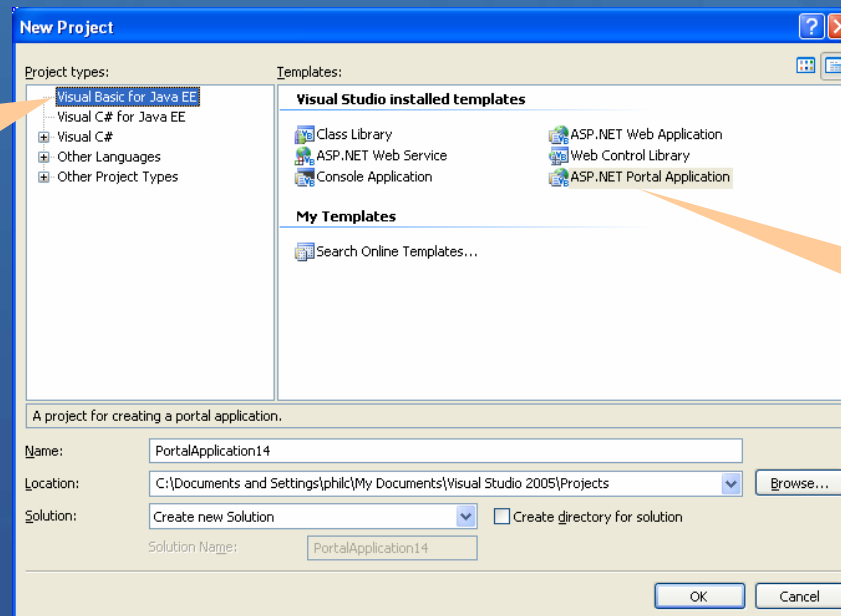
ASP.NET adopts WebSphere Portal Themes and Stylesheets

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...

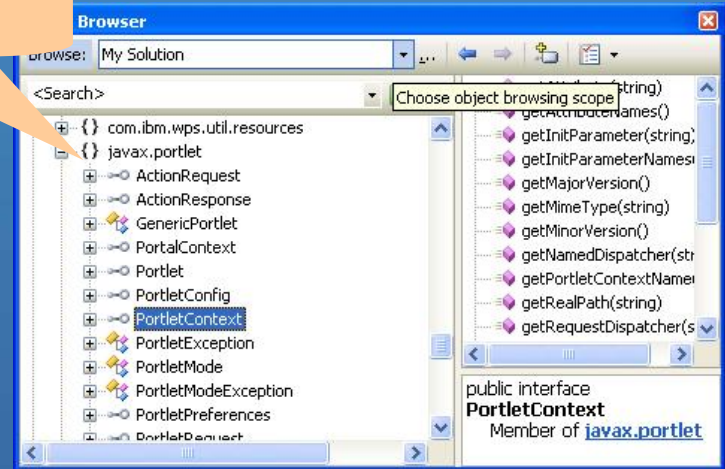
The screenshot shows the Visual Studio JSR 168 Portlet Designer interface. At the top, there are buttons for 'Add Portlet...' and 'Edit User Attributes...'. Below, two portlets are visible: 'Customers' and 'Invoices'. Each portlet has a tree view with sections for 'Appearance', 'Behaviour', 'Localization', and 'Advanced'. A 'Select Portlet Modes' dialog box is open, showing options for 'View mode', 'Edit mode', 'Config mode', 'Help mode', and 'Edit defaults mode'. Callouts point to various features: 'Adding new portlets.' points to the 'Add Portlet...' button; 'Setting portal user profile attributes.' points to the 'Edit User Attributes...' button; 'Setting portlet preferences.' points to the 'Behaviour' section of the 'Customers' portlet; 'Setting portlet Localization.' points to the 'Localization' section of the 'Customers' portlet; and 'Setting portlet modes.' points to the 'Select Portlet Modes' dialog box.



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.

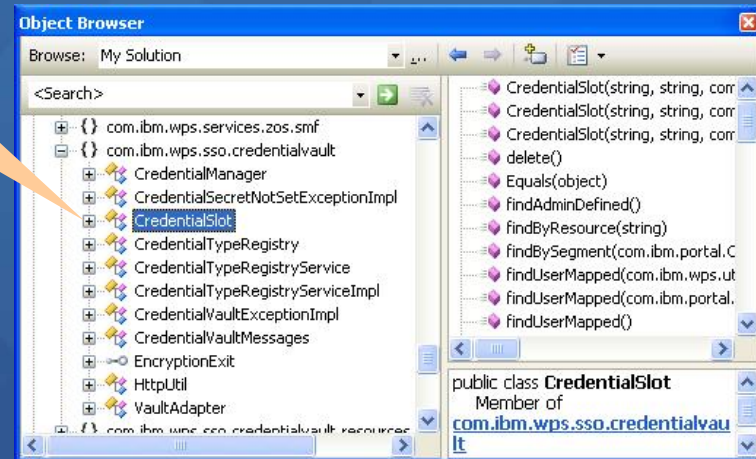


Direct access to Portlet API directly from the ASP.NET page.

```
public partial class Page : Mainsoft.VMW.Portal.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        PortletContext pc = this.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 userId = this.User.Identity.Name;
```

Fetch the logged-in user ID from the portal.

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

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

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

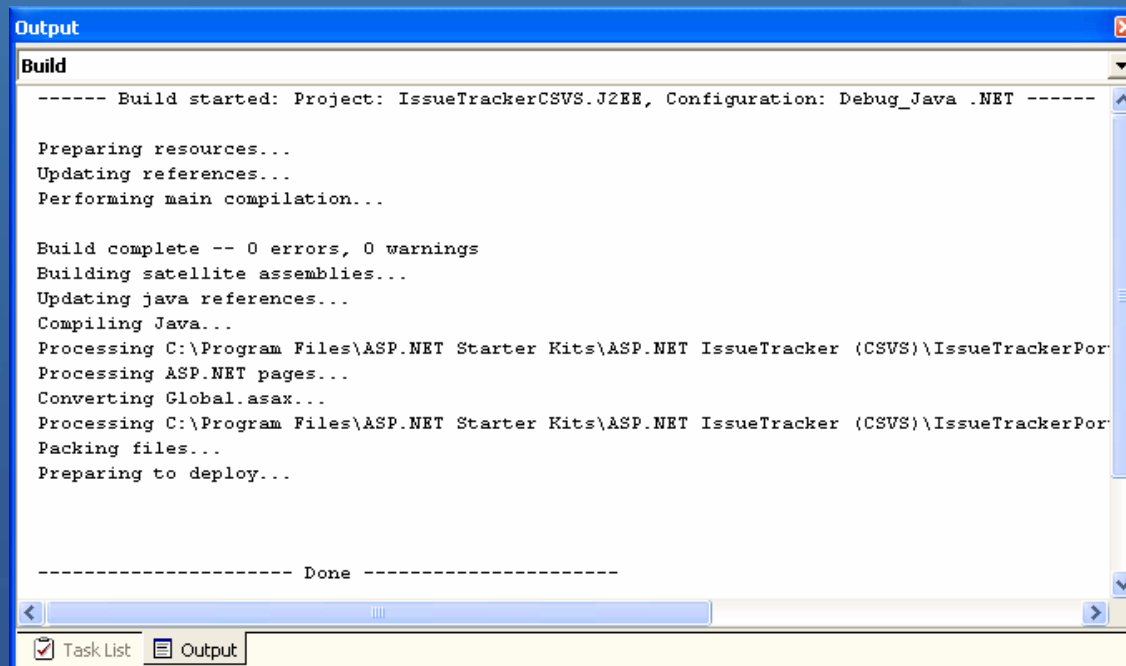
```
<env-entry>
  <env-entry-name>WPGroupsRoleNamespace</env-entry-name>
  <env-entry-value>PWS</env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>
```

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

ID	Group Name
	wcmadmins
	PWS.Admins
	PWS.Friends

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.



```
Output
Build
----- Build started: Project: IssueTrackerCSVS.J2EE, Configuration: Debug_Java .NET -----

Preparing resources...
Updating references...
Performing main compilation...

Build complete -- 0 errors, 0 warnings
Building satellite assemblies...
Updating java references...
Compiling Java...
Processing C:\Program Files\ASP.NET Starter Kits\ASP.NET IssueTracker (CSVS)\IssueTrackerPor
Processing ASP.NET pages...
Converting Global.asax...
Processing C:\Program Files\ASP.NET Starter Kits\ASP.NET IssueTracker (CSVS)\IssueTrackerPor
Packing files...
Preparing to deploy...

----- Done -----
```

Task List Output

Healthways, Inc.

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

Challenge

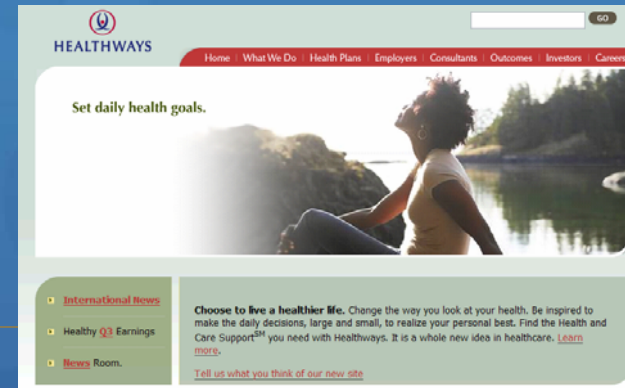
- Healthways was growing 36% a year and needed to streamline operations.
- In 2006, company spent \$28 million printing and mailing literature to its membership, and it needed to reduce costs.
- Chose WebSphere Portal as the preferred portal platform but in-house development team was .NET

Solution

Use Mainssoft 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 Mainssoft'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

- ◉ Webspere 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!