



IBM Software Group

WebSphere Portal V5.1: A Technical Overview

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IBM.



Welcome to WebSphere Portal version 5.1

To start using your portal, click [Log In](#).

About WebSphere Portal

WebSphere Portal

IBM WebSphere Portal 5.1

Build Level: wp510_062 2004-10-20 22:23



ON DEMAND BUSINESS™

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Portal Definition?

A well-known point of access to many different resources, presented in a **consistent, integrated and personalized** manner.

The screenshot shows a web portal titled "w3 M. A. Neumann's On Demand Workplace". The interface includes a navigation bar with "Home", "Work", and "Career and life" tabs. A "News" section features "Top stories" with headlines such as "IBM eServer i5 brings POWER to SMB", "Competitive Update: Microsoft growing but clouds gather", and "May 2 Alert: Protect IBM from network worm". A "Market report" section displays stock data for IBM and DOWJONES.

Essential links

- About IBM
- About w3
- Collaboration Central
- Customer Reference Materials
- Expense Accounts - US
- Globalization Central
- IBM Global Campus
- IBM On Demand Community
- IBM SiteServ
- IBM Standard Software Installer
- IBM Travel
- IT Tools
- Learning Navigator
- Our Values at Work
- Presentation Central
- Sam's w3 pages
- Software Group Intranet
- Speak Up Program

What's new

Portlets

Currently, there are no new items

News

Top stories Past 7 days >

IBM eServer i5 brings POWER to SMB
The new IBM eServer i5 model 520 and model 570 are complete systems, preloaded and tested with base software to meet a small or midsize company's needs [Systems & Technology Group]

Competitive Update: Microsoft growing but clouds gather
Open source, licensing issues, and other problems threaten Microsoft's long-term prospects.[Software Group]

May 2 Alert: Protect IBM from network worm
Ensure patch is applied to protect against W32.Sasser worm[Transforming IBM]

IBM's Virtualization Engine
IBM has announced the Virtualization Engine, innovative technologies and services aimed at redefining the economics and management of the on demand operating environment. [Systems & Technology Group]

Search

BluePages

Name only (smith, jo*)
 Entire profile ("grid computing")

[Advanced search](#)

Other searches

w3 intranet
 IBM discussion forums
 IBM news articles
 ibm.com Internet

[Advanced search](#)

Market report Edit | - | ?

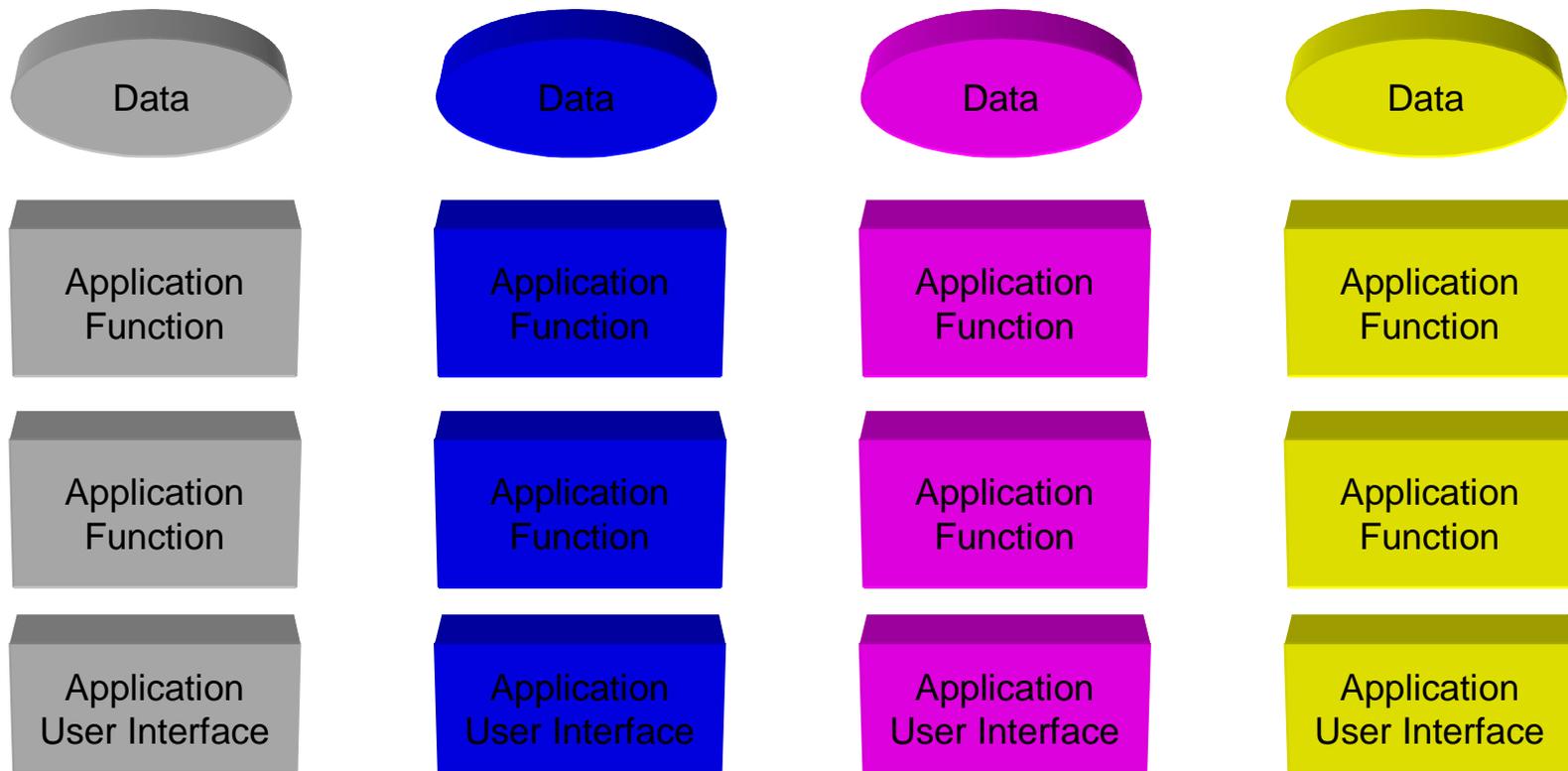
Quoted at 12:43 PM, EDT on 3 May.
[Refresh](#)

Symbol	Current	+/-
IBM	87.70	-0.47

Indices	Last
DOWJONES	10,300.87

An On Demand Workplace!

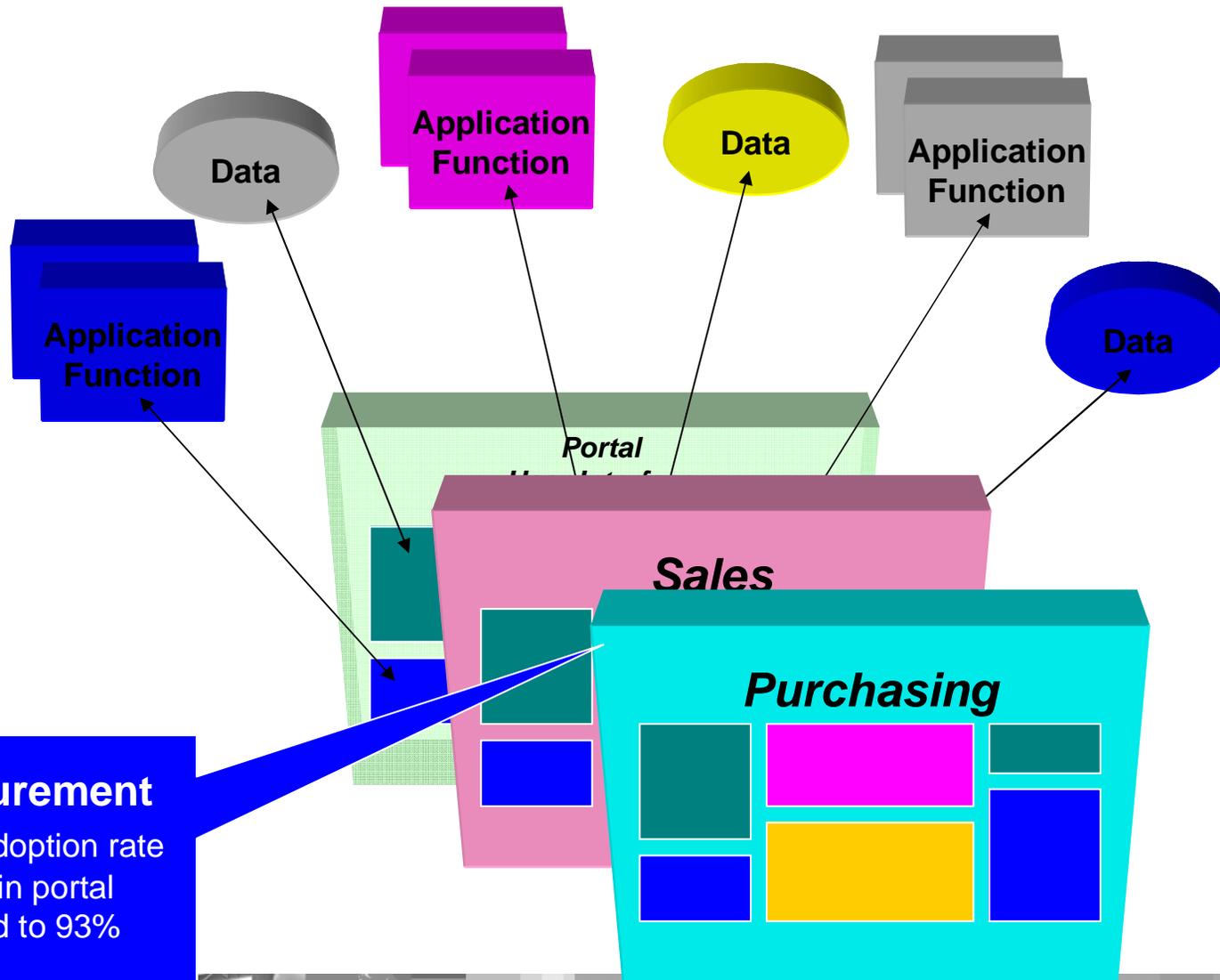
Conceptual View – Without Portal



Pain - Information Stovepipes User Frustration



Conceptual View – With Portal



eProcurement

- 11% Adoption rate
- Placed in portal increased to 93%

WebSphere Portal

Branding

The screenshot shows the IBM WebSphere Portal interface in Microsoft Internet Explorer. The browser title is "IBM WebSphere Portal - Microsoft Internet Explorer". The address bar shows a URL starting with "http://wps.ondemand.com/wps/myportal/". The page header includes the "On Demand Corporation" logo and the text "A Virtual eBusiness Powered by IBM". A navigation bar contains links like "My Work", "News", "Business", "Documents", "Web Content Management", and "My Tasks".

Annotations highlight three key features:

- Branding:** Points to the "On Demand Corporation" logo and the "A Virtual eBusiness Powered by IBM" text.
- Navigation:** Points to the "Who Is Here" section listing users: Chris Crummy, Cindy Neumann, and Mark Neumann.
- Portlets:** Points to the "Inventory portlet" and "Entitlements portlet".

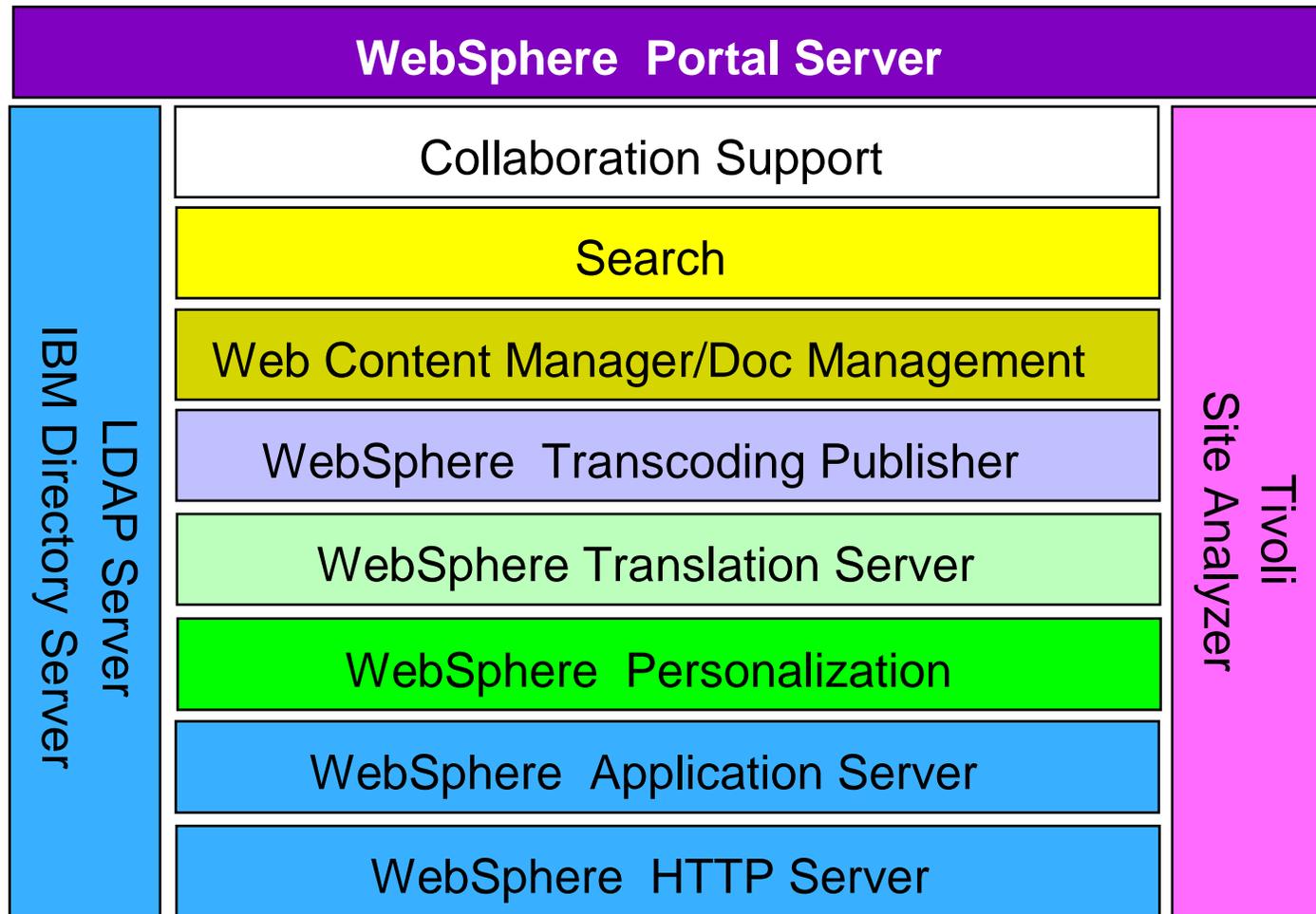
The "Inventory portlet" displays a table titled "Inventory using business rules.":

Part	Description	Quantity
Part A	Part A Desc	5
Part B	Part B Desc	10
Part C	Part C Desc	20
Part D	Part D Desc	25
Part E	Part E Desc	35
Part F	Part F Desc	40
Part G	Part G Desc	50
Part H	Part H Desc	60
Part I	Part I Desc	80

The "Entitlements portlet" displays "Software Entitlements for: Cindy Neumann" with icons for Word, Outlook, Excel, and PowerPoint.

The "Sales Chart" portlet displays a 3D bar chart titled "Phone Sales" comparing "Cell" (red) and "Home" (green) sales from 2002 to 2005. The x-axis is labeled "Time (10,000s)" and the y-axis shows years. The chart shows that Cell sales are consistently higher than Home sales, and both show an upward trend over the period.

WebSphere Family

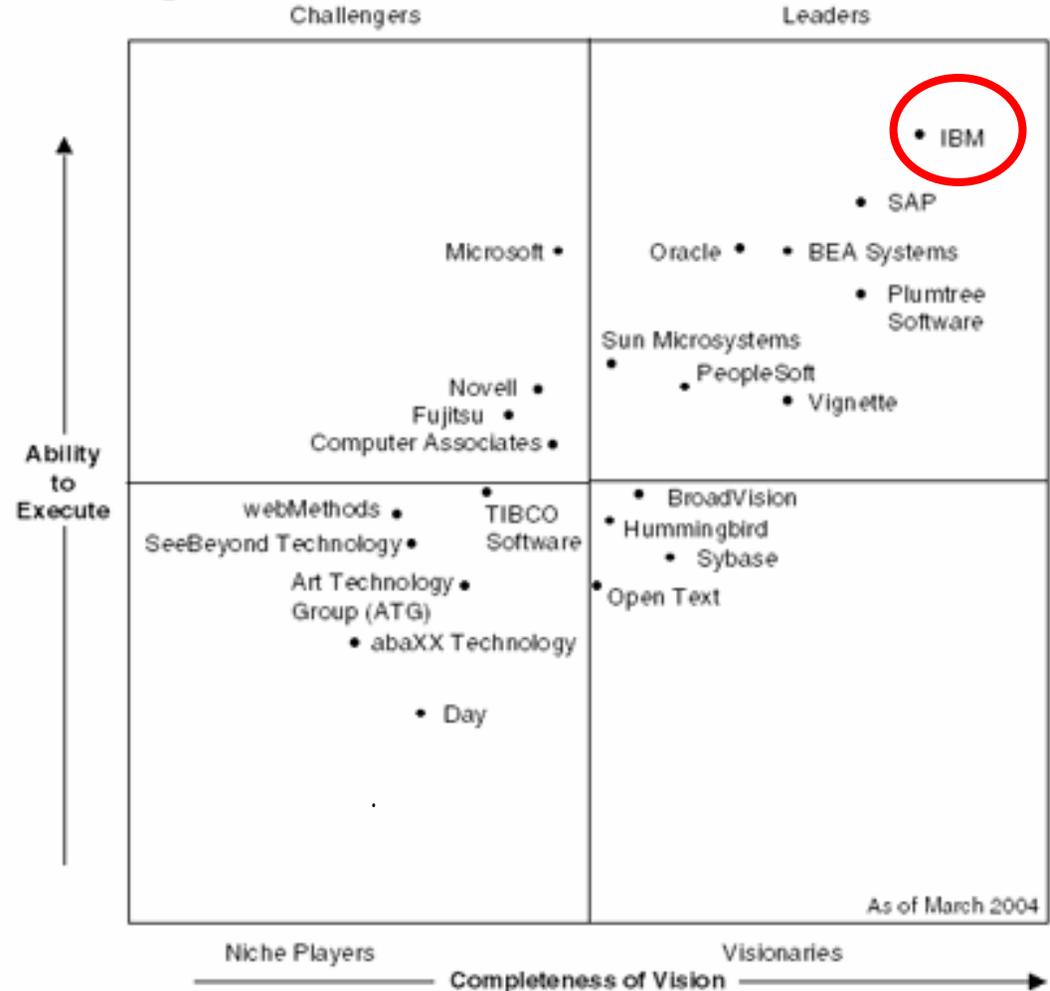


Magic Quadrant: Portal Leadership 2004

WPS is more than just a Portal:

- ▶ Portal - #1
- ▶ Web Services - Co Chair
- ▶ Web App Server - #1
- ▶ Collaboration - #1
- ▶ Java Tools - #1
- ▶ Commerce - #1

Magic Quadrant for Horizontal Portal Products, 2004

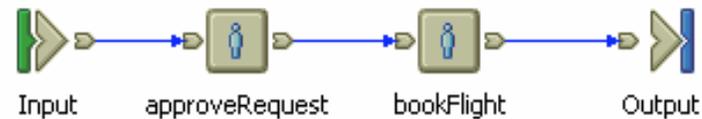


Source: Gartner Research (March 2004)



WebSphere Portal 5.1

- **Great Speed and Ease of Deployment and Development**
 - ▶ Installation, Deployment and Operations Enhancements
 - ▶ Multi-Site Support (Virtual Portals)
 - ▶ Portal Toolkit Enhancements and New Portal Site Development Tools
- **Enhance Content Integration**
 - ▶ Standards-based repository (JSR 170)
 - ▶ Web Content Management integration with Portal
 - ▶ Search Enhancements
 - ▶ Portal Document Manager
- **Deliver New Workflow Process Integration**
 - ▶ Task Portlet and Process Choreographer Integration



Installation process

- ▶ **Reduce the complexity & time of automated install process**
- ▶ **Increase User Control of Installation/Configuration Process**
- ▶ **Dependency Checking and Improved Problem Determination Support**
- ▶ **WAS DMgr (Deployment) Support – installation onto federated nodes**

Configuration Wizard

- An alternative to editing the properties file to do configuration tasks
- A front-end to the configuration ANT tasks
- Built using InstallShield Multi-platform product - ISMP
- Provides some validation from panel to panel
- Easy to understand flow
- Errors that occur presented directly to the user – without them having to look in logs!

WebSphere Portal Configuration Wizard

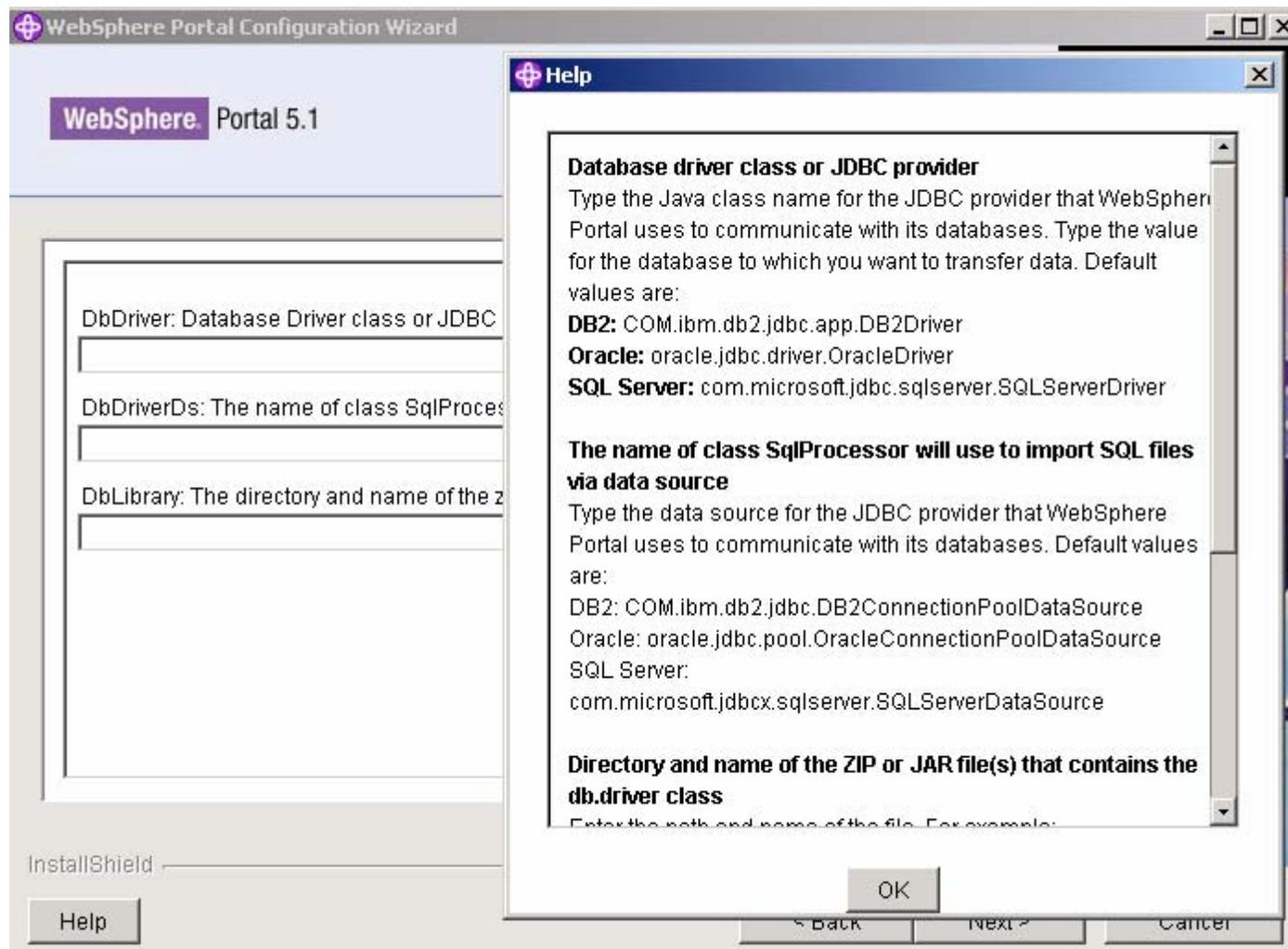
The screenshot displays the WebSphere Portal Configuration Wizard interface. The main window is titled "WebSphere Portal Configuration Wizard" and shows the "Portal 5.1" configuration step. The wizard is overlaid on a desktop background featuring the IBM logo and a globe.

The configuration options are as follows:

- Select the LDAP server type:**
 - IBM Directory Server
 - Lotus Domino
 - Microsoft Active Directory
 - Sun ONE Directory Server
 - Novell eDirectory
- LDAP server connection information:**
 - LDAPHostName:** The LDAP server hostname (text input field)
 - LDAPPort:** The LDAP server port number (text input field)
 - sslEnabled:** Use SSL? (dropdown menu with "true" selected)
 - LDAPAdminUid:** The LDAP administrator ID (text input field)
 - LDAPAdminPwd:** The LDAP administrator password (password input field)

Navigation buttons at the bottom include "< Back", "Next >", and "Cancel". A "Help" button is also present in the bottom left corner.

WebSphere Portal Configuration Wizard



Portal 5.1 features - Install, deploy and admin

- Production Deployment
 - ▶ Scripted Administration (Windows and AIX only)
 - ▶ Improving the experience of moving between staging and production
 - ▶ GUI for XML Access
 - ▶ Scripted administration – Java Command Language (JACL)

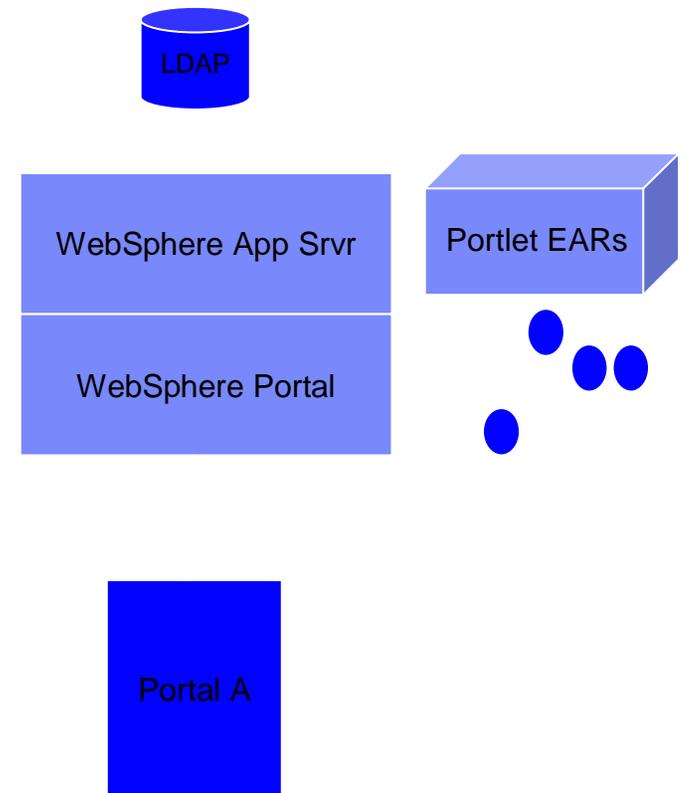
- Admin Interface
 - ▶ Move pages
 - ▶ Export/Import Pages

- Post Install Configuration GUI
 - ▶ Improved configuration tasks



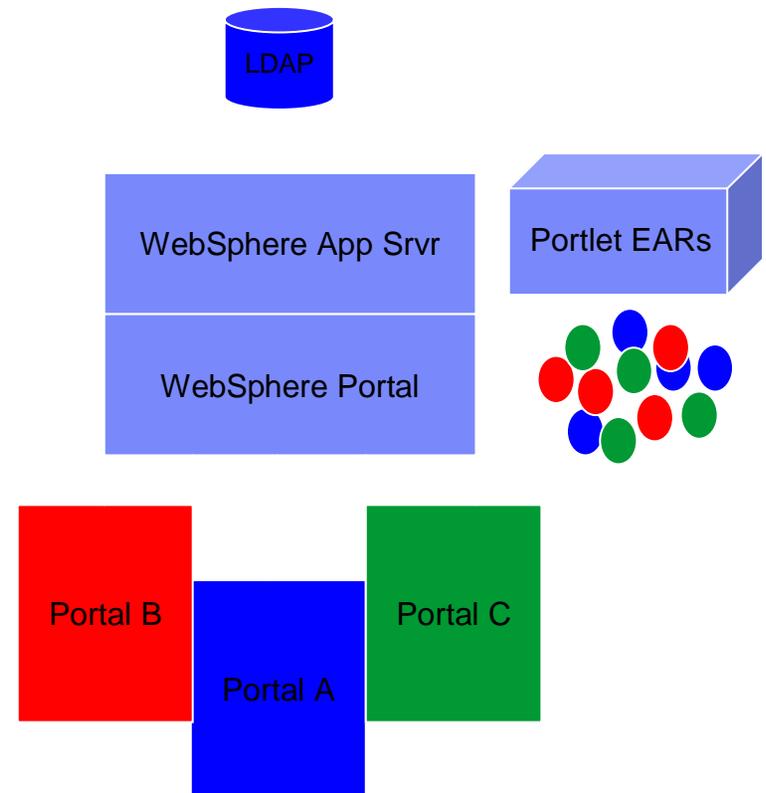
Virtual Portals

- Today each Portal requires its own infrastructure including a copy of WAS, a copy of Portal, copies of the portlet applications and an LDAP server.
- Many customers would like to provide a few more distinct portals without having to implement additional infrastructures.
- For example, an insurance company
 - ▶ Started with an employee portal
 - ▶ Wants to provide an agent portal
 - ▶ Need different anonymous pages, different look, some similar content and some different.



Virtual Portals

- Virtual Portals are a virtual entities each representing the logical behavior of a distinct WebSphere Portal but running on a shared infrastructure.
- Characteristics of a virtual portal:
 - Each has a unique URI
 - Each has its own unique set of places, pages, and users
 - Each has its own set of anonymous pages , login and sign up pages, and themes and skins
 - Each has its own user directory
- Virtual Portal Administrators
 - Manage each virtual portal individually
 - with some shared resources (such as portlet applications)



Virtual Portals

On Demand Corporation
A Virtual eBusiness Powered by IBM

Welcome Cindy!

My Portal | Edit my profile | Log out

News | Business | Documents | Web Content Management | My Tasks

Mail

You can access your Lotus Domino-based, Microsoft Exchange-based, IMAP-based, or POP3-based e-mail from the IBM Common Mail portlet, which is part of the Common Personal Information Management (PIM) portlets. System administrators can configure this portlet by clicking on the **Configure** page icon. Individual users can manage their portlet settings by clicking the **Edit** page icon. If you have problems configuring this portlet, contact your system administrator.

Check for Mail | Compose | Move to Folder... | Delete | Manage Folders | Actions

Inbox Page 1 of 1

MyPhotoPortlet portlet

Home Page | Documents | Team Workplace | My Tasks | Welcome

Check for Mail | Compose | Move to Folder... | Delete | Manage Folders | Actions

Inbox Page 1 of 1

<input type="checkbox"/>	From	Subject	Date	Size
<input type="checkbox"/>	Cindy Neumann	You are invited to join engineering	2/3/05	1K
<input type="checkbox"/>	Cindy Neumann	You are invited to join rfi	2/3/05	1K

Hide Folders | Page 1 of 1



Microsoft Exchange

The screenshot displays the IBM WebSphere Portal interface within a Microsoft Internet Explorer browser. The main content area shows the Microsoft Outlook Web Access (OWA) interface. A context menu is open over an email, listing actions such as Open, Print, Reply, Reply to All, Forward, Follow Up, and Mark as Unread. The email list shows a message from 'wpsadmin' with the subject 'FW: SharePoint Site: http://portal2k3.ibm.local/share...'. Below the email list, the content of the selected email is visible, showing a 'Hello world' message and a 'Welcome to Microsoft Office Outlook 2003' message.

From	Subject	Size	Received
wpsadmin	FW: SharePoint Site: http://portal2k3.ibm.local/share...	5 KB	Fri 1/21/2005 4:30
Administra	Hello world	4 KB	Thu 10/14/2004 10:
Outlook 20	Welcome to Microsoft Office Outlook 2003	35 KB	Wed 10/13/2004 9:

Portal Document Management

- Document Management within WebSphere Portal
 - Navigate the customer defined folder hierarchy
 - View, Add, Delete, and Modify documents and folders
- Approve changes via customizable workflow
- New user interface
- Improved round trip editing
- IBM CM integration

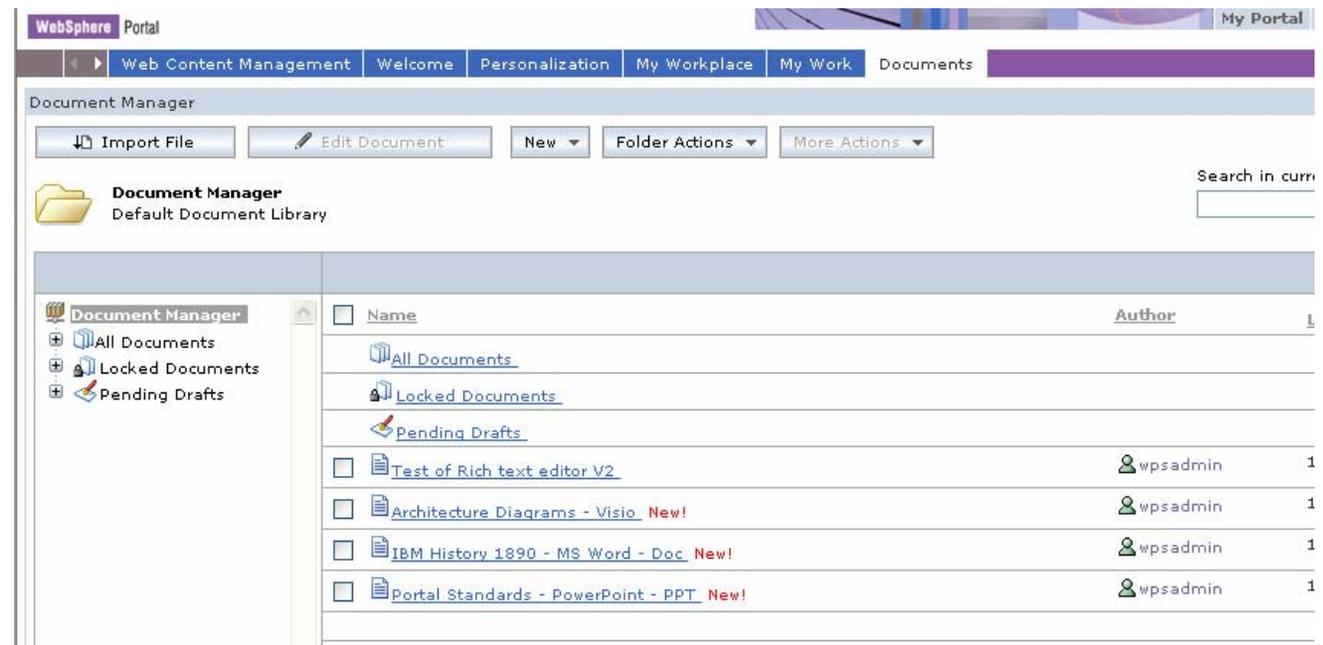
Version documents

Control Access on folders and documents

Subscribe to folders and documents

Search folders and documents

People awareness



Name	Author	Version
All Documents		
Locked Documents		
Pending Drafts		
<input type="checkbox"/> Test of Rich text editor V2	wpsadmin	1
<input type="checkbox"/> Architecture Diagrams - Visio New!	wpsadmin	1
<input type="checkbox"/> IBM History 1890 - MS Word - Doc New!	wpsadmin	1
<input type="checkbox"/> Portal Standards - PowerPoint - PPT New!	wpsadmin	1

View over 200 file formats

On Demand Corporation
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Welcome Mark! My Portal Edit my profile Log out

New Page Edit Page Search: []

My Work News Business Documents My Tasks My Favorites

Document Manager

Back to folder | Previous document | Next document

Document has been modified for viewing in PDM. Any potentially harmful content has been removed.

Replace Edit Lock More Actions

Architecture Diagrams Viso | Versions

Architecture Diagrams Viso

Architecture Diagrams.viso

Created by: Cindy Neumann Created on: February 3, 2005 11:42:25 AM CST

Last modified by: Cindy Neumann Last modified on: February 3, 2005 11:42:25 AM CST

Image 1

Portal

Portal Application Servers (Logical View)

Working Draft

```

    graph LR
        Employees --> GroupIntranet((Group Intranet))
        GroupIntranet --> OracleDB[Oracle DB 8.17]
        OracleDB --> Netegrity[Netegrity SiteMinder Policy Server 5.5]
        Netegrity --> Novell[Novell eDirectory 8.6.2]
        Netegrity --> WAS_ND[WebSphere Application Server Network Deployment 5.0.1]
        WAS_ND --> WAS_AE[WebSphere Application Server Advanced Edition 4.0.5]
        GroupIntranet --> CiscoGSS[Cisco GSS]
        GroupIntranet --> WSAD[WebSphere Studio Application Developer 5.0.1]
        WSAD --> WAS_ND
        GroupIntranet --> Tools[Systems Management, Monitoring, Testing Tools]
        WAS_ND --> Tools
    
```



PDM integration with Mail

The screenshot displays the IBM WebSphere Portal interface for On Demand Corporation. The main navigation bar includes 'My Work', 'News', 'Business', 'Documents', and 'My Tasks'. The 'Document Manager' tab is highlighted with a red box. Below the navigation bar, there is a 'Send a Link' section with an 'Add' button circled in red. A 'Directory Search: Find People' dialog is open, showing search results for 'cindy' and a 'To:' field with a selected recipient. The search results list includes 'Cindy Neumann' with the email address 'cindy@ondemand.com'. The 'Recipients:' field contains the text '"Cindy Neumann"<cindy@ondemand.com>'. The 'To:' field has a 'To: >' button next to it. The 'Remove Selected Names' button is visible at the bottom of the dialog. The 'Personalized List' section at the bottom shows a list of documents for different users, including 'Decade 1910.doc' for Chris Crummy, 'Decade 1890.doc' and 'Architecture Diagrams.viso' for Cindy Neumann, and 'Decade 1900.doc' for Jake Neumann.

PDM integration with Mail

The screenshot shows a web portal for On Demand Corporation. The header includes the company name, a welcome message for 'Mark', and navigation links like 'My Portal', 'Edit my profile', and 'Log out'. A search bar and a 'My Favorites' dropdown are also present. The main navigation menu includes 'My Work', 'News', 'Business', 'Documents', and 'My Tasks'. A sidebar on the left contains links for 'E-mail', 'Calendar', 'Collaboration Center', 'HR Info', 'Benefits', 'Pay Check', '401K', 'Expenses', 'Travel requests', and 'Site Map'. The main content area features a large envelope icon and a text block explaining that users can access Lotus Domino-based, Microsoft Exchange-based, IMAP-based, or POP3-based e-mail from the IBM Common Mail portlet. It also mentions that system administrators can configure the portlet and individual users can manage their settings. A profile picture of a man is shown on the right. Below this is a 'Mail' window displaying an email from 'wpsadmin@ondemand.com' to 'mark@ondemand.com' dated 'Feb 1, 2005 4:25:29 PM' with the subject 'Document Manager: Document Link from wpsadmin'. A red box highlights a notification bubble that says 'wpsadmin has sent you a link to a document in the Document Library: Document Manager'. Below the email details, a 'Go to document' link is also highlighted with a red box.

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Welcome Mark! My Portal Edit my profile Log out

New Page Edit Page Search: []

My Work News Business Documents My Tasks My Favorites

E-mail

Calendar
Collaboration Center
HR Info
Benefits
Pay Check
401K
Expenses
Travel requests
Site Map

You can access your Lotus Domino-based, Microsoft Exchange-based, IMAP-based, or POP3-based e-mail from the IBM Common Mail portlet, which is part of the Common Personal Information Management (PIM) portlets. System administrators can configure this portlet by clicking on the Configure page icon. Individual users can manage their portlet settings by clicking the Edit page icon. If you have problems configuring this portlet, contact your system administrator.

Mail

Back to message list | Previous message | Next message

Compose Reply Forward Move to Folder... Delete Actions

From: wpsadmin@ondemand.com
To: mark@ondemand.com
Date: Feb 1, 2005 4:25:29 PM
Subject: Document Manager: Document Link from wpsadmin

wpsadmin has sent you a link to a document in the Document Library: Document Manager

Name: Decade 1890.doc
Author: Cindy Neumann
Folder: /IBM History
Date created: 1/6/05
Date last modified: 1/6/05

Description:
test pdm

Go to document

Portal 5.1 new features – Content - WCM

- WCM - (Web Content Management)
 - ▶ UI enhancements
 - ▶ Re-use of Doc Mgr documents and UI
 - ▶ Workflow enhancements
 - ▶ LDAP authentication and authorisation

Filter	Filter	Filter	Filter
<input type="checkbox"/>	Name ▾	Status	Da
<input type="checkbox"/>	IBM claims supercomputer speed...	● ● ●	Nov
<input type="checkbox"/>	Scientists flip atomic switch ...	● ● ●	Nov
<input type="checkbox"/>	Technological Darwinism: Adapt...	● ● ●	Nov

WCM Templates

The screenshot displays the IBM WebSphere Portal interface within a Microsoft Internet Explorer browser window. The browser's address bar shows the URL: `http://wps.ondemand.com/wps/myportal/tut/p/kcxml/04_Sj9SPykssy0xPLMnMz0vM0Y_QjzKLN43dAXJgFgmQBAYdoeJG`. The portal header includes the "On Demand Corporation" logo and the tagline "A Virtual eBusiness Powered by IBM". A user named "Cindy" is logged in, with a "Welcome Cindy!" message and navigation links for "My Portal", "Edit my profile", and "Log out". A search bar is also present.

The main navigation menu includes "My Work", "News", "Business", "Documents", "Web Content Management", "My Tasks", and "My Favorites". The "Web Content Management" section is active, leading to the "Web Content Authoring" interface. The interface features a "Content Preview" sidebar on the left and a main workspace for editing content. The workspace includes a toolbar with "Close", "Save", "Save...", "Component Manager", and "Apply Authoring Template" buttons. Below the toolbar, there is a section for "Identification" with required fields for "Name" and "Description". The "Type" is set to "Content". There are also fields for "Authors" and "Owners", both currently listing "Cindy Neumann" with "Select Authors" and "Select Owners" buttons respectively. Other sections include "Profile" and "Site Area Information". At the bottom of the workspace, there is a "Content" section with a "Display Title" field.



WCM – Personalized Content

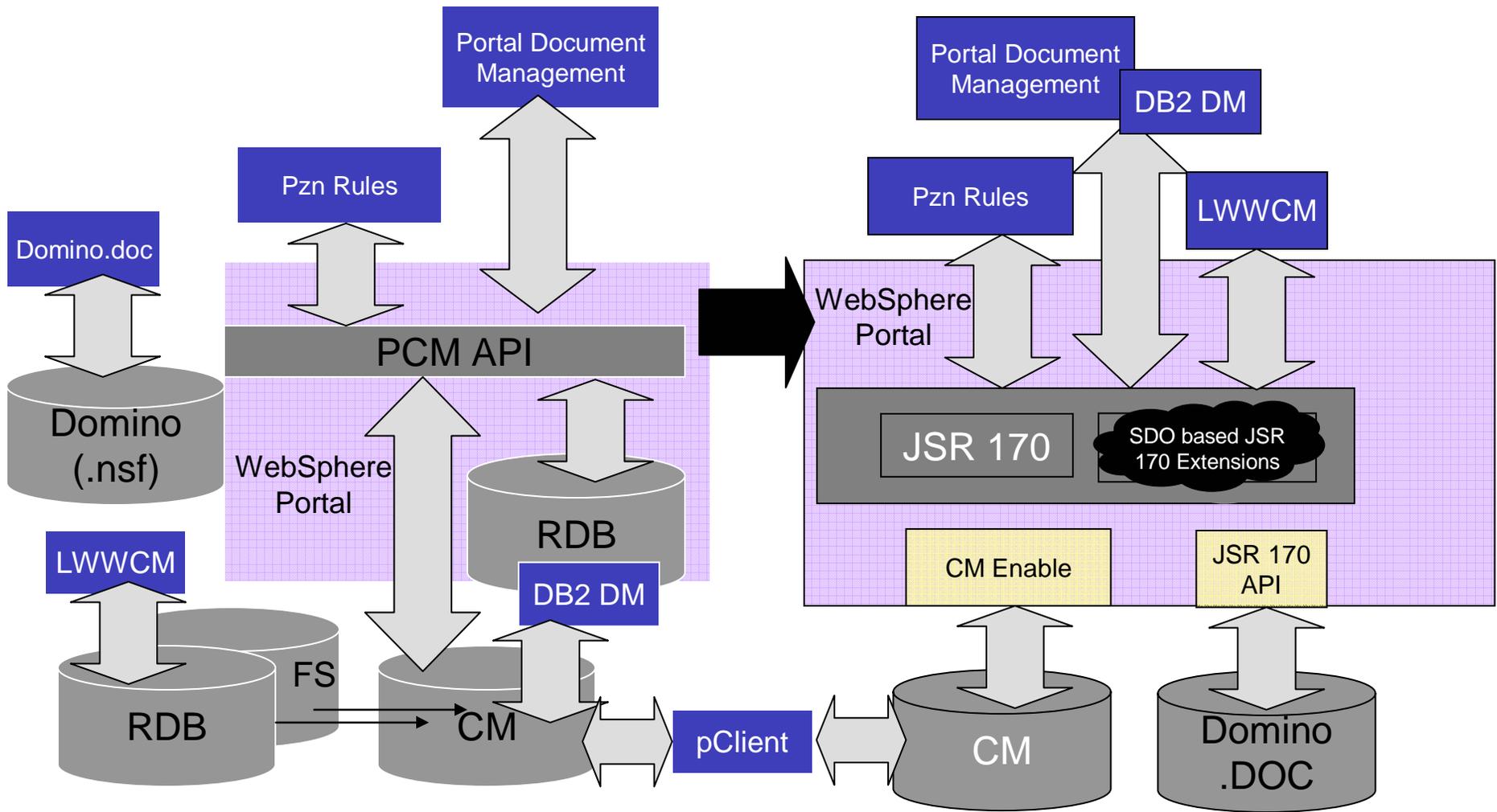
The image displays two side-by-side screenshots of the On Demand Corporation website, illustrating personalized content based on user roles. Both pages feature a navigation bar with 'My Work', 'News', 'Business', 'Documents', and 'My Tasks'. The left screenshot is for 'Mark' and the right for 'Cindy'. Both pages show a 'News and Events' section with a list of news items. In the 'Mark' view, the first two news items are circled in red. In the 'Cindy' view, the 'IT Focus' link is circled in red, and the first news item in the 'News' section is circled in red. Red arrows point from the text 'Non-Manager' to the 'IT Focus' link and from 'Manager' to the first news item in the 'Cindy' view.

Non-Manager

Manager



Content Application Convergence



Executive Dashboard with Personalization

Same Portlet
Different Rules

Screenshot 1: Cindy's Dashboard

Welcome Cindy! My Portal Edit my profile Log out

My Work News Business Documents Web Content Management My Tasks My Favorites

Who Is Here: Chris Crummy, Cindy Neumann

Inventory portlet: **Inventory using business rules.**

Part	Description
Part A	Part A Desc
Part B	Part B Desc
Part C	Part C Desc
Part D	Part D Desc
Part E	Part E Desc
Part F	Part F Desc
Part G	Part G Desc
Part H	Part H Desc
Part I	Part I Desc

Entitlements portlet: Software Entitlements for: Cindy

Screenshot 2: Mark's Dashboard

Welcome Mark! New Page Edit Page Search: []

My Work News Business Documents My Tasks

Who Is Here: Cindy Neumann, Mark Neumann

Inventory portlet: **Inventory using business rules.**

Part	Description	Quantity
Part C	Part C Desc	20
Part F	Part F Desc	40
Part I	Part I Desc	80

Entitlements portlet: Software Entitlements for: Mark Neumann

Type of chart: Bar C
Type of chart: PNG

WebC



New Personalization Portlets

On Demand Corporation
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Welcome Jake!

[My Portal](#)
[Administration](#)

[New Page](#)
[Edit Page](#)
[Assign Permissions](#)

Business
Documents
Web Content Management
Developers Area
Personalization
My Tasks

Workspace

Personalized List

- Workspace
- currentUser
- entitlements
- inventory

Personalization Navigator

New
Import
Delete
More Actions

Browsing Workspace		Name	Type	Author	Last Modified
<input type="checkbox"/>	Workspace	GreenRule	Rule	Jake Neumann	February
<input type="checkbox"/>	currentUser	Inventory	Collection	wpsadmin	December
<input type="checkbox"/>	entitlements	greenSpot	Content Spot	wpsadmin	December
<input type="checkbox"/>	inventory	redSpot	Content Spot	wpsadmin	December
<input checked="" type="checkbox"/>	inventory	redrule	Rule	wpsadmin	February
<input type="checkbox"/>		yellowRule	Rule	Jake Neumann	February
<input type="checkbox"/>		yellowSpot	Content Spot	wpsadmin	December

Hide Explorer View (1 selected)

Personalization Editor

View Rule
Preview
Document Info

redrule Last Modified P

Located in [inventory](#)

Description None

Output Type inventory.Inventory

Collection Type [inventory/Inventory](#)

Rule Type Select Content

Select content

whose inventory/Inventory.Auth is greater than or equal to current InetOrgPerson.employeeType and

whose inventory/Inventory.Quantity is less than 25

order by

Quantity ascending

Executive Dashboard Bowstreet

On Demand Corporation
A Virtual eBusiness Powered by IBM

Welcome Cindy!

[My Portal](#)
[Edit my profile](#)
[Log out](#)

[New Page](#)
[Edit Page](#)

[My Work](#)
[News](#)
[Business](#)
[Documents](#)
[Web Content Management](#)
[My Tasks](#)

[My Favorites](#)

Executive Dash Board

Sales/Inventory

Performance Info

Click to action Demos

Order Status

Travel

Medical

Call Center

Customer Self Service

Banking

Site Analyzer

Site Map

Performance Traffic Table WSDL

Daily Operational Reporting

Plant: Melbourne Month/Year: _____

Cost Center: _____ Calendar Day: 7

Measure	Status	Daily			Status	MonthToDate		
		Actual	Forecast	Budget		Actual	Forecast	Budget
MFG MATERIAL TOT VARIANCE		26278.32	-11333.40	19505.29		26278.32	-11333.40	19505.29
Insurance General		8011.70	8011.70	8011.70		8011.70	8011.70	8011.70
TOTAL MANUFACTURING COSTS		298025.32	286287.29	286106.63		298025.32	286287.29	286106.63
MFG CONTRIBUTION FAV/(UNFAV)		20430.25	-50273.55	29401.04		20430.25	-50273.55	29401.04
Other Fixed		1685.19	1685.19	1481.49		1685.19	1685.19	1481.49
Total Other Variable		12706.99	12706.99	11966.25		12706.99	12706.99	11966.25
TOTAL (LAB&OVH) - \$ Per STD hr		58.86	65.98	57.36		58.86	65.98	57.36
TOTAL DAYMODEL								

Domino integration

On Demand Corporation
A Virtual eBusiness Powered by IBM

Welcome Cindy!

My Portal | Edit my profile | Log out

New Page | Edit Page | Search:

My Work | News | Business | Documents | Web Content Management | My Tasks

My Favorites

Executive Dash Board

Sales/Inventory

Performance Info

Click to action Demos

Order Status

Travel

Medical

Call Center

Customer Self Service

Banking

Site Analyzer

Site Map

Loan ID	CustName	LoanAmt	BlisId	Obligor No	Other Docs	Status
aaaa	Acme	100.00	456	234234	Select a Document to view	Good Standing Complete
aaaa	Acme	100.00	456	234234	Select a Document to view	Good Standing Complete
aaaa	Acme	100.00	456	234234	Select a Document to view	Good Standing Complete
aaaa	Acme	100.00	456	234234	Select a Document to view	Good Standing Complete

When you complete your work on an item select it in the table above and press:

STAR Ref No.	Lender Name	Event and Status	Status Date	Assigned To and Site
KMPE-59APMA	Grant Neumann	Pre-Underwriting - In Process	04/17/2002	Kayna M Popnoe - Portland
KMPE-599TXF	Jake Neumann	Underwriting - In Process	04/18/2002	Kayna M Popnoe - Portland
KMPE-599SD7	Susan M Irvin	Underwriting - In Process	04/16/2002	Kayna M Popnoe - Portland
KMPE-599KWH	irvin susan	Underwriting - In Process	04/16/2002	Kayna M Popnoe - Portland
KMPE-58GVKQ	irvin susan	Pre-Underwriting - In Process	03/22/2002	Kayna M Popnoe - Portland
KMPE-599SR4	Cindy Neumann	Underwriting - Ready for Review	04/16/2002	Ready for Review - Portland
SMIN-59ASZZ	Kayna M Popnoe	Underwriting - Ready for Review	04/18/2002	Ready for Review - Portland
SMIN-59ASZZ	Kayna M Popnoe	Underwriting - Ready for Review	04/18/2002	Ready for Review - Portland
SMIN-59HT25	Susan M Card	Underwriting - Ready for Review	04/24/2002	Ready for Review - Portland
SMIN-58VLR8	Susan M Irvin	Pre-Underwriting - In Process	04/04/2002	Susan M Irvin - Portland
SMIN-57LTX9	Susan M Card	Underwriting - In Process	02/26/2002	Susan M Irvin - Portland
SMIN-59ASZK	Kayna M Popnoe	Underwriting - In Process	04/18/2002	Susan M Irvin - Portland

GoodStandingPortlet portlet

Select the State for which you need "Good Standing" information

Alabama

Click after making a selection

29

Domino Integration with Bowstreet

My Work
News
Business
Documents
Web Content Management
My Tasks

E-mail

Calendar

Collaboration Center

HR Info

- Benefits
- Pay Check
- 401K
- Manager

Expenses

Travel requests

Site Map

Expenses Web Flow Complete

Expense Report 5LMSLX for John Smith (Approved) Edit this Document

Submitter: John Smith/bowstreet

Approver: Kevin Wilmeth

Project: Project B

Created: 04/15/2003 03:59:03 PM CDT

Report ID: 5LMSLX

Status: Approved

Task: Requirements

Modified: 03/05/2004 11:39:23 AM CST

Description: Planning and requirements

Date	Category	Comment	Billable	Amount
03/06/2004	Airfare/Employee Paid	Airline	true	1892
03/06/2004	Lodging/Room & Tax	Hotel		206
03/07/2004	Lodging/Room & Tax	Hotel		206
03/07/2004	Meals/Breakfast	Breakfast		14
03/07/2004	Meals/Dinner	Dinner		37
Total:				\$2,355.00

[<< Back to main](#)

Project Details

Select a project: Project B

This portlet allows you to view details for a Project, including the Manager'

Project: Project B

Project ID: 5LMHQ4

Manager: Nicole Carrier

Start Date: 04/15/2003

Ending Date: 09/20/2003

Billable:

Task List:

IsDocumentRow	UNID	URL
true	354D9DB73D15760985256D090049952C	http:
true	1DEEE94322ECB67785256D090049924A	http:
true	F9FD49E9A82D257C85256D090049977C	http:

Project Expenses by Submitter:

Submitter	Amount
Dee	1,000
John	1,355

WebSphere Portal Application Integrators

- PeopleSoft 8.0
- PeopleSoft 7.5
- Siebel
- SAP
- JDBC
- Domino

Available via the **Portlet Catalog**:

- Thousands of pre-built portlets
- Immediately usable

WebSphere Portal

Welcome My Work YourCo Financial My Finances My Newsroom

E-mail Productivity Developers Area

Developers Resource
Lotus Domino Builder
JDBC Builder

JDBC Business Object Builder

Listed below are business objects defined for the current database. Select markup to configure.

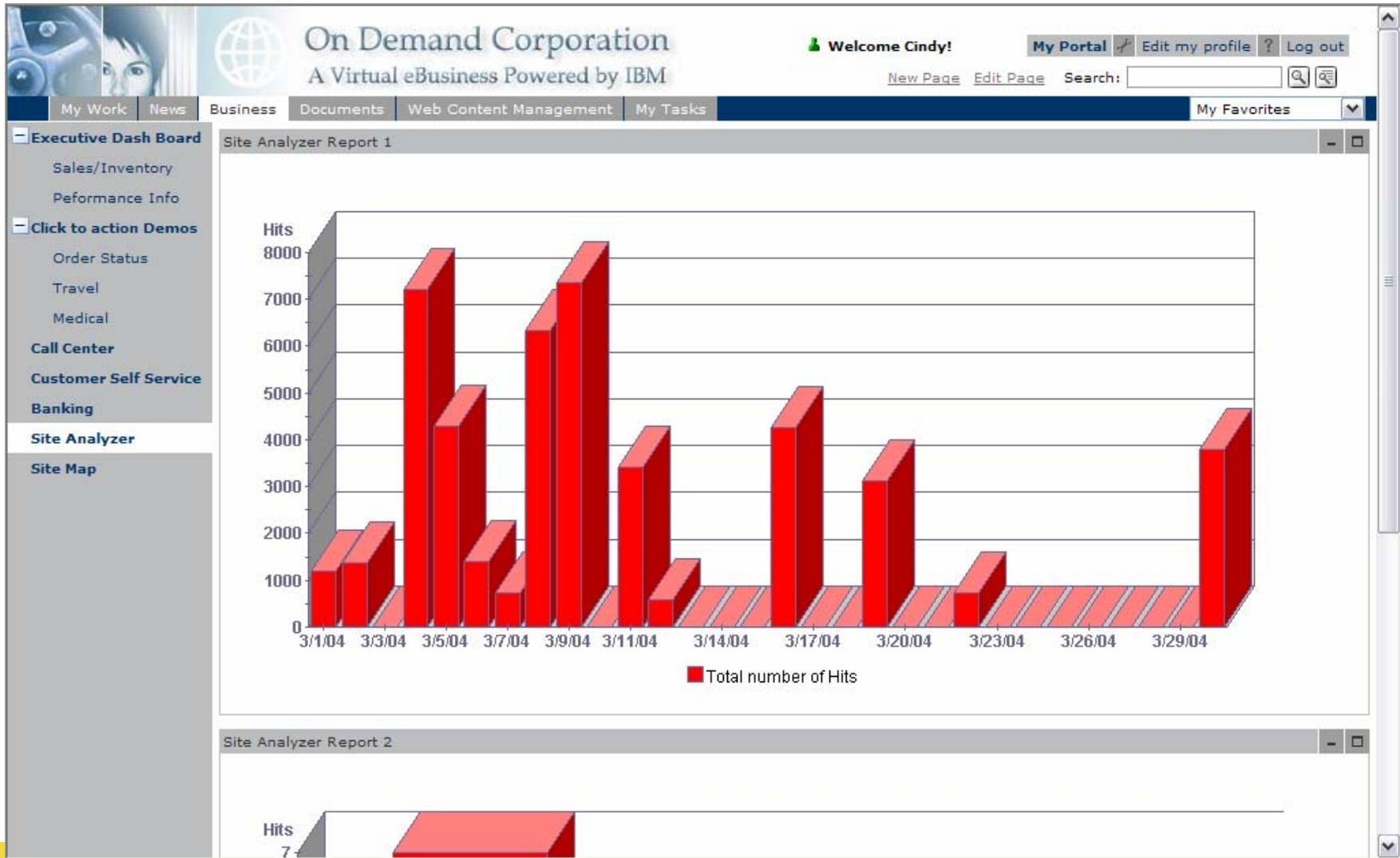
Business obj: Mysql

New business object

Field	Display name	Field behavior	Summary	Searchable
<input type="checkbox"/> BIRTHDATE	BIRTHDATE	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> BONUS	BONUS	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> COMM	COMM	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> EDLEVEL	EDLEVEL	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> EMPNO	EMPNO	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> FIRSTNAME	FIRSTNAME	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> HIREDATE	HIREDATE	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> JOB	JOB	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> LASTNAME	LASTNAME	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> MGR	MGR	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> PHONENO	PHONENO	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> SALARY	SALARY	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> SEX	SEX	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> WORKDEPT	WORKDEPT	allow update	<input checked="" type="checkbox"/>	<input type="checkbox"/>

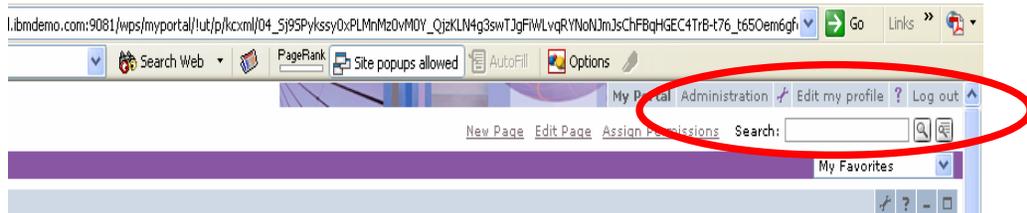
Showing 1-14

Tivoli Site Analyzer



Search in V5.1

1



- Enable crawling Portal
 - “search ID”/password for authenticated pages
- Results are ‘in context’
- Results are filtered for security

Each tab represents a source that you can search. Click another tab to display results from



2

Search for:

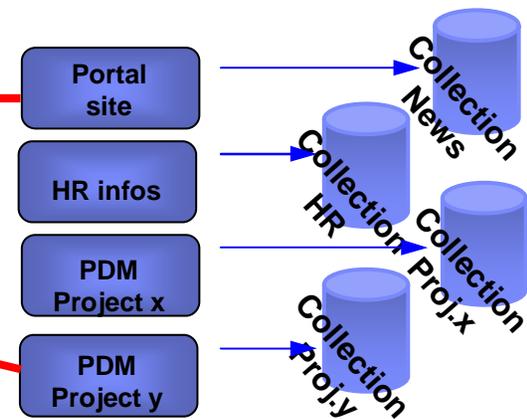
Results found for: **IBM**

60%	Architecture Diagrams - Visio - wpsadmin Architecture Diagrams - Visio http://portal.ibmdemo.com:9081/wps/myportal/cxml/0... - November 8, 2004 - L
84%	IBM History 1890 - MS Word - Doc - wpsadmin IBM History 1890 - Word doc http://portal.ibmdemo.com:9081/wps/myportal/cxml/0... - November 8, 2004 - L

3

- Web Services enablement
 - Indexing/Search can run on another server
 - Consistent results in a cluster

4



- Future - Index file system and Domino

Business Process Integration in WebSphere Portal

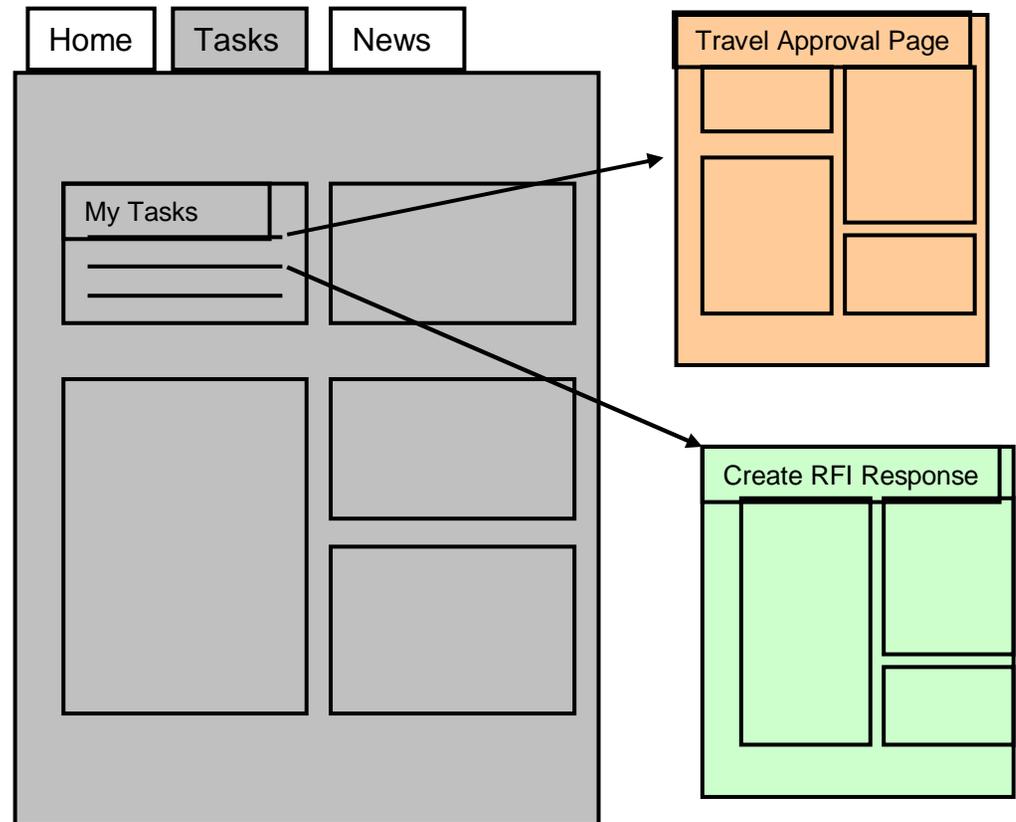
The vision of Process Integration in Portal is to leverage the efficiency of each employee by integrating Business Processes and the means to work on them within the portal, which will act as an integration point for all applications and information required to process a task at hand, providing a uniform user interface that leads to an improved end user experience and satisfaction.

From the end user's point of view, he navigates to a portal page containing a task list portlet displaying his pending tasks. If he selects one of these tasks, he is automatically forwarded to the appropriate task page and can immediately start working on the task.

The Portal becomes the user interface for working on user facing tasks of a process.

Business Process Integration

- **My Tasks portlet allows users to claim and process WebSphere Process Choreographer tasks**
- **As each task is selected for processing, a corresponding page application instance is launched**
 - ▶ Multiple pages of the same type can be instantiated
 - ▶ Each instance is passed the context for the specific task being processed
 - ▶ Pages go away as each task is completed
- **Portal's navigation paradigm is extended from being role based to also now include activities in progress**



Task Processing Portlets

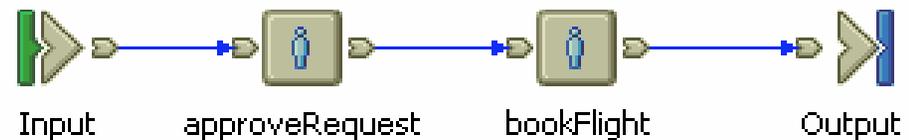
Travel Portal Demo

1. *Cindy Books flight.*
2. *Chris Approves Cindy's request*
3. *Rob books the flight for Cindy*

How it was built

1. *Use Process Choreographer in WSAD –IE to build workflow*
2. *Use RAD to build portlets*
3. *Use Portal framework to manage user tasks*

Chris



Cindy



Rob



Process Integration in WebSphere Portal

The screenshot displays a WebSphere Portal interface for On Demand Corporation. The page features a navigation bar with tabs for 'My Work', 'News', 'Business', 'Documents', 'Web Content Management', 'My Tasks', and 'My Favorites'. A left sidebar contains links for 'E-mail', 'Calendar', 'Collaboration Center', 'HR Info', 'Benefits', 'Pay Check', '401K', 'Manager', 'Expenses', 'Travel requests', and 'Site Map'. The main content area is divided into two portlets:

- Travel Request Portlet:** A form for entering travel data. It includes fields for 'Traveller' (Cindy Neumann), 'Destination' (New York), 'Departure Date' (5.10.2002), and 'Reason' (Conference). It also has a 'Flight Reservation' section with an 'Add Flight' button.
- State Portlet:** A table showing the status of a travel request. The table has columns for 'Destination' and 'Status'. The entry for 'Milwaukee:5.10.2005' shows a status of 'approval in progress' and a 'Terminate' button.

Overlaid on the right side of the Travel Request Portlet is the text: **Enter travel task. Just a normal portlet**

At the bottom of the page, there is a 'QuickLinks' section with a 'Quick Browse' field containing 'Process Choreographere' and a 'Go' button.

Process Integration in WebSphere Portal

WebSphere Business Integration Server Foundation
 Process choreographer

Help
UserID: Cindy Neumann [Logout](#)

Work Item Lists

- [My To Dos](#)
- [Define Work Item List](#)

Process Instance Lists

- [Created By Me](#)
- [Administered By Me](#)
- [Undo Actions in Error](#)
- [Define Process Instance List](#)

Process Template Lists

- [My Templates](#)
- [Define Template List](#)

Administration

- [Manage Work Items for Process Instances](#)
- [Manage Activities for Process Instances](#)

My To Dos

Use this page to work on work items in your To Do list [i](#)

Available Actions

⇒
View
Claim
Complete
Cancel
Restart
Force Complete
Transfer

<input type="checkbox"/>	To Do Name	State	Owner	Reason	Activated	Process	Template Name
<input type="checkbox"/>	approveRequest	Claimed	Chris Crummy	Reader	4/4/05 1:01:25 PM	PI:90030103.e96a847.53350156.97410004	TravelRequestProcess1
<input type="checkbox"/>	approveRequest	Ready		Reader	4/5/05 8:27:39 AM	PI:90030103.12c256a2.53350156.3a60000	TravelRequestProcess1

Task gets added to Process Choreographer
Alert is sent to portal for Chris to approve
Cindy's travel request

38

Process Integration in WebSphere Portal

On Demand Corporation
A Virtual eBusiness Powered by IBM

Welcome Chris!

You have 2 new task(s)

You can access your Lotus Domino-based, Microsoft Exchange-based, IMAP-based, or POP3-based e-mail from the IBM Common Mail portlet, which is part of the Common Personal Information Management (PIM) portlets. System administrators can configure this portlet by clicking on the **Configure page** icon. Individual users can manage their portlet settings by clicking the **Edit page** icon. If you have problems configuring this portlet, contact your system administrator.

Mail

Check for Mail Compose Move to Folder... Delete Manage Folders Actions

	From	Subject	Date	Size
<input type="checkbox"/>	Cindy Neumann	You are invited to join rfi	2/3/05	1K

Chris sees that he has some work to do

Process Integration in WebSphere Portal

On Demand Corporation
A Virtual eBusiness Powered by IBM

Welcome Chris! My Portal Edit my profile Log out

My Tasks

Claim Cancel Claim

Show: All Tasks

Page 1 of 1 Jump to page:

<input type="checkbox"/>	Task	Created	Description	Claimed	Details
<input type="checkbox"/>	approveRequest	05/04/2005 09:27 AM	This is an extra long desc...		

WebSphere Business Integration Server Foundation Process choreographer

Help UserID Chris Crummy Logout

Work Item Lists

- My To Dos
- Define Work Item List

Process Instance Lists

- Created By Me
- Administered By Me
- Undo Actions in Error
- Define Process Instance List

Process Template Lists

- My Templates
- Define Template

My To Dos

Use this page to work on work items in your To Do list.

Available Actions

View Claim Complete Cancel Restart Force Complete Transfer

<input type="checkbox"/>	To Do Name	State	Owner	Reason	Activated	Process	Template Name
<input type="checkbox"/>	approveRequest	Claimed	Chris Crummy	Potential Owner Reader Owner	4/5/05 8:37:33 AM	PI:90030103.e96a847.53350156.97410004	TravelRequestProcess1
<input type="checkbox"/>	approveRequest	Claimed	Chris Crummy	Potential Owner Reader Owner	4/5/05 8:27:39 AM	PI:90030103.12c256a2.53350156.3a60000	TravelRequestProcess1

Process Choreographer shows Chris claimed Cindy's Travel Request

with

Process Integration in WebSphere Portal

The screenshot displays the IBM On Demand Corporation WebSphere Portal interface. The top navigation bar includes links for My Work, News, Business, Documents, Web Content Management, My Tasks, and My Favorites. A user named Chris is logged in, with options to My Portal, Edit my profile, and Log out. A search bar is also present.

The 'My Tasks' portlet shows a list of tasks. Two tasks are visible, both titled 'approveRequest'. The first task, created on 05/04/2005 at 09:27 AM, is highlighted with a red box. The second task, created on 04/04/2005 at 02:01 PM, is also highlighted with a red box. A red arrow points from the second task to the 'Approval' portlet below.

The 'Approval' portlet displays details for a travel request. The employee is Cindy Neumann, with a destination of New York, departure date of 5.10.2002, and reason of Conference. Below this, a 'Flight Reservation' table is shown:

Departure Date	Departure Time	Origin Airport	Destination Airport	Airline	Class
5.10.2002	9:00 am	Frankfurt	New York	Lufthansa	Economy

At the bottom of the 'Approval' portlet, there are two buttons: 'Approve' and 'Reject', both highlighted with a red box.

Chris can now Approve or Reject Cindy's Travel request.

Process Integration in WebSphere Portal

WebSphere Business Integration Server Foundation *Process choreographer* IBM

Help UserID Chris Crummy Logout

Work Item Lists

- My To Dos
- Define Work Item List

Process Instance Lists

- Created By Me
- Administered By Me
- Undo Actions in Error
- Define Process Instance List

Process Template Lists

- My Templates
- Define Template List

Administration

My To Dos

Use this page to work on work items in your To Do list

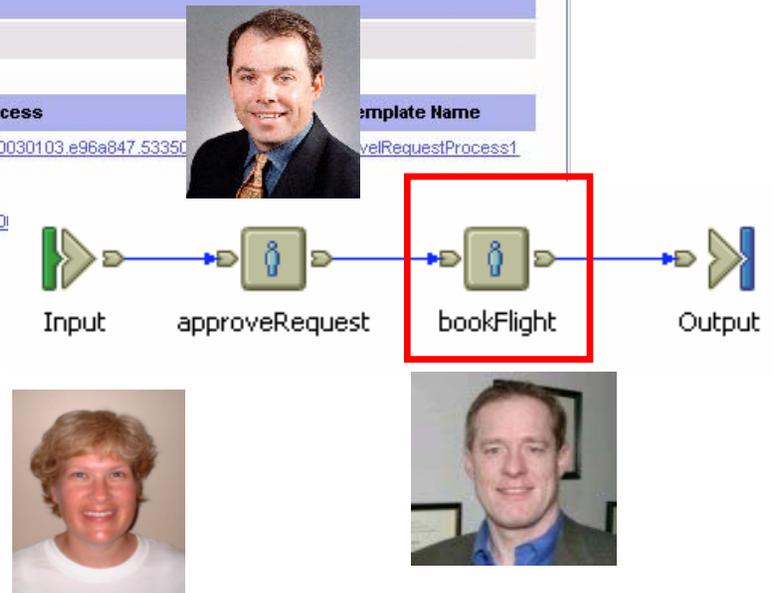
Chris

Available Actions

View Claim Complete Cancel Restart Force Complete Transfer

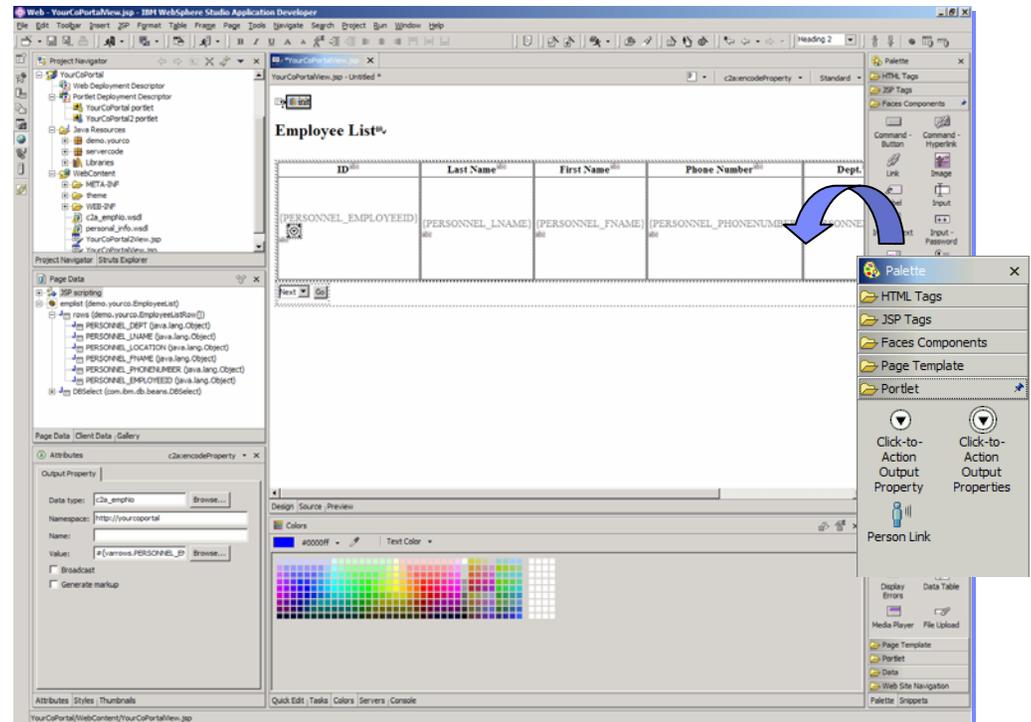
<input type="checkbox"/>	To Do Name	State	Owner	Reason	Activated	Process	Template Name
<input type="checkbox"/>	approveRequest	Claimed	Chris Crummy	Potential Owner Reader Owner	4/5/05 8:37:33 AM	Pt:900301.03_e96a847_53350	...velRequestProcess1
<input type="checkbox"/>	bookFlight	Ready		Reader	4/5/05 8:50:38 AM	Pt:90	

Cindy's Travel Request has now been moved to the Book stage of the work flow. So Rob now has an alert in the portal.



Key Features of WebSphere Studio JavaServer Faces Tools

- Visual Page Layout of JavaServer Faces components using Page Designer
- Built-in tools simplify/automate event handling
- Built-in tools simplify page navigation
 - ▶ Page navigation is defined declaratively
- Data abstraction objects for easy data connectivity (**WebSphere Data Objects**)
 - ▶ Relational databases (today)
 - ▶ Domino, EJB, etc. (future)
 - ▶ **Portal Content (future)**
 - ▶ Data objects can be bound easily to
 - ▶ user interface components



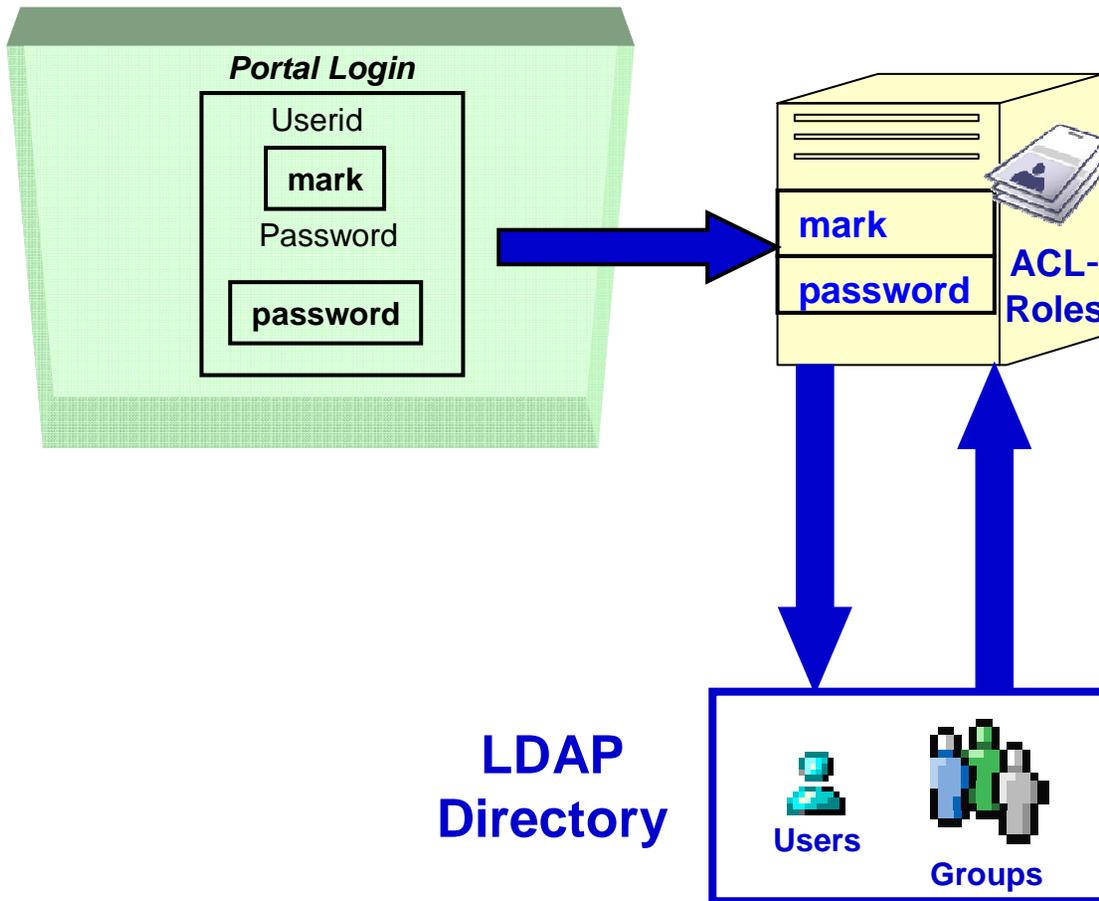
Faces Client Components

Tabbed Panel

The screenshot displays a web application interface with several components:

- Tree Control:** A hierarchical tree structure showing folders like 'user', 'portfolio', 'name', 'position', 'symbol', 'MACR', 'price', and 'quantity'.
- Form:** A form with fields for 'Employee' and 'Office Address', including input boxes for 'First Name', 'Last Name', 'Display Name', 'Organization', and 'Consultant'.
- Chart:** A window titled 'Example of Pie Chart' showing a pie chart with a legend for 'blue pens', 'green pens', 'pink pens', 'aqua pens', and 'fuschia pens'. Below the chart are buttons for 'Data Set 1', 'Data Set 2', 'Pie Chart', 'Bar Chart', 'Line Chart', 'Show Labels', 'Hide Labels', and 'Set Chart Title'.
- Chart:** A window titled 'Example of Bar Chart' showing a bar chart with a legend for values: 100, -20, 40, 80, 30, -66, -30, and 0. Below the chart are buttons for 'Data Set 1', 'Data Set 2', 'Pie Chart', 'Bar Chart', 'Line Chart', 'Show Labels', 'Hide Labels', and 'Set Chart Title'.

WebSphere Portal Security



J2EE App



mark
password

Inventory



mark
mneuman
n

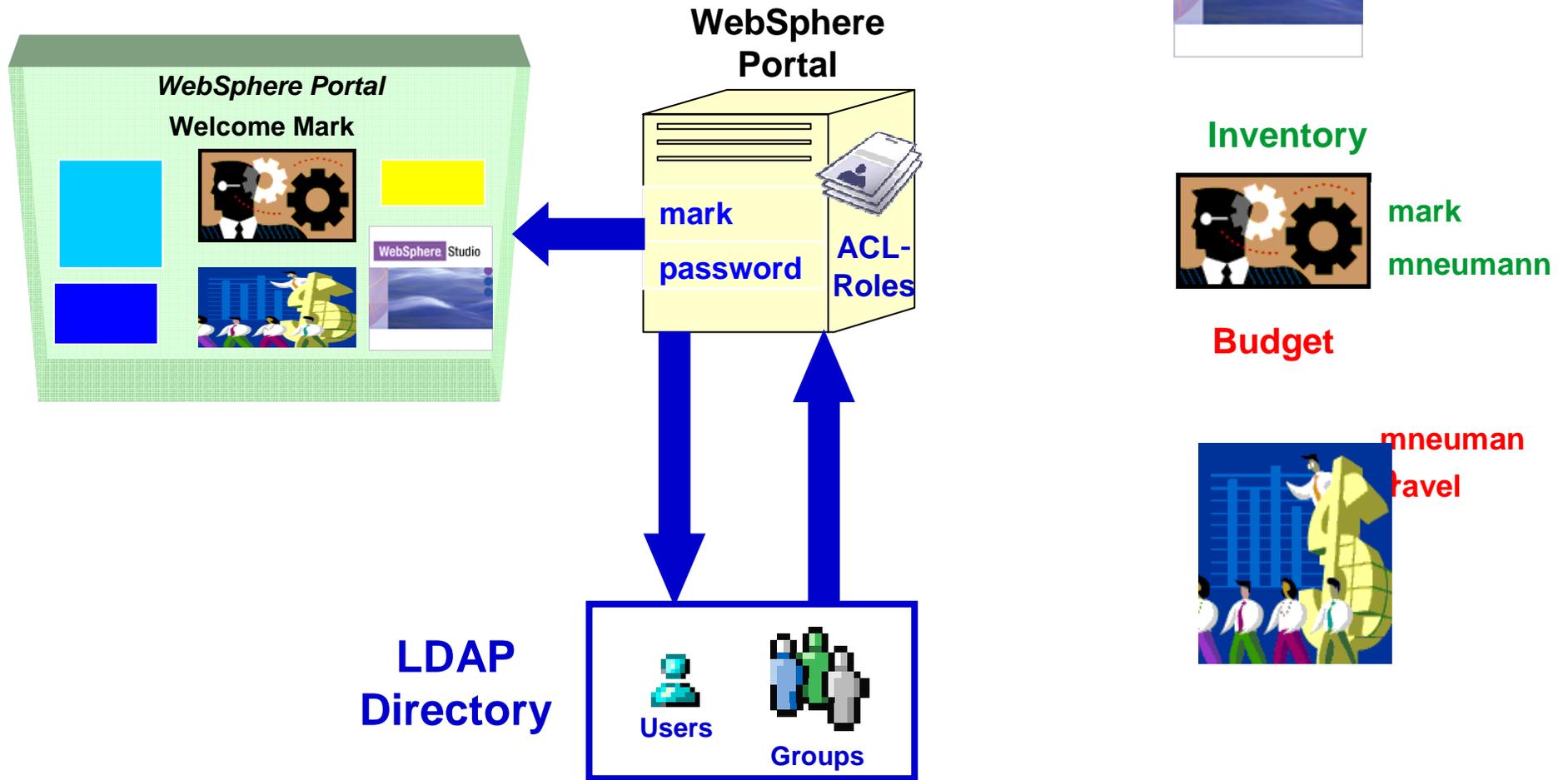
Budget



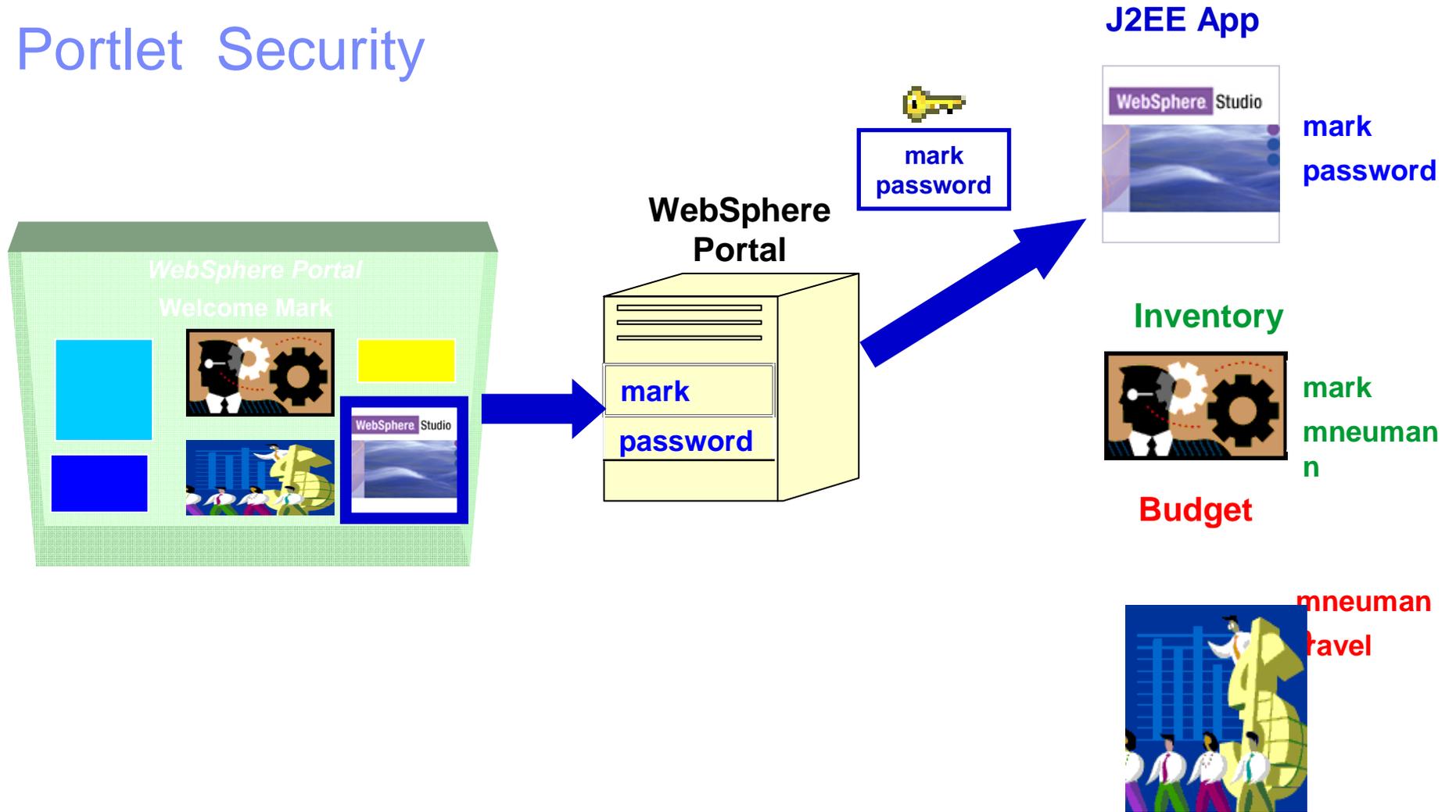
mneuman
travel



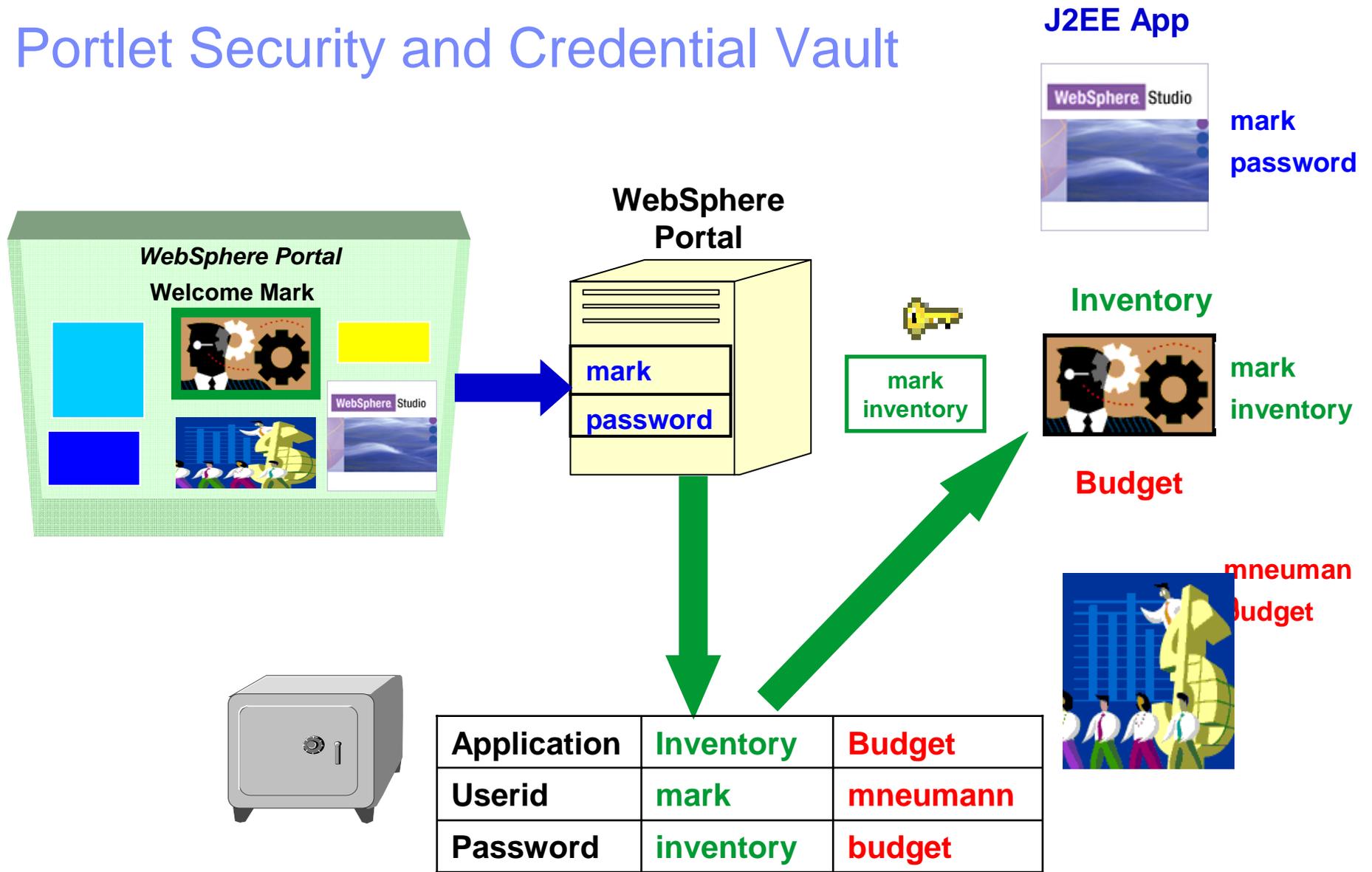
WebSphere Portal Security



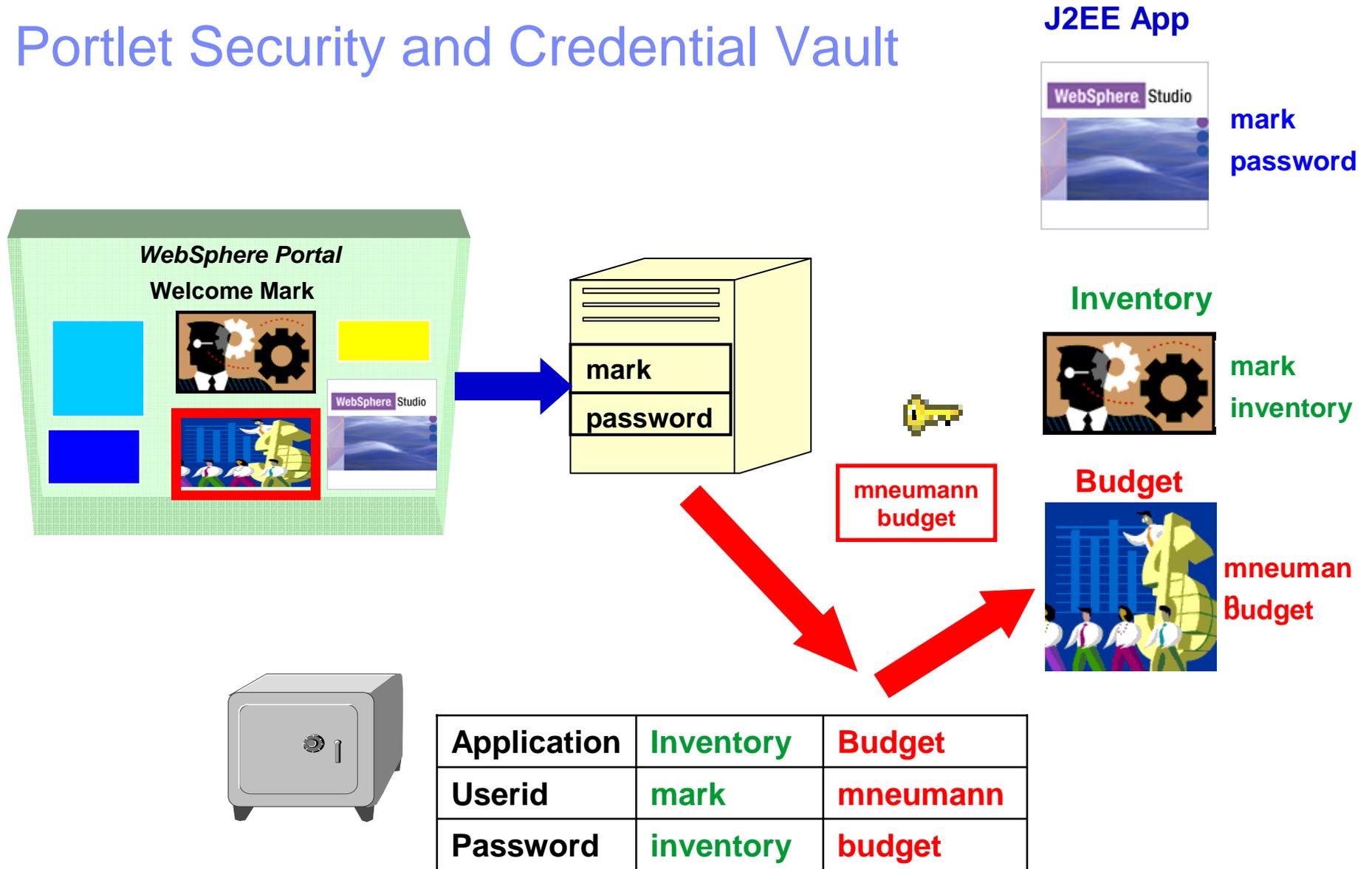
Portlet Security



Portlet Security and Credential Vault



Portlet Security and Credential Vault



Application	Inventory	Budget
Userid	mark	mneumann
Password	inventory	budget

HATS and Portal



WebSphere. software

Intro to WebSphere Host Access Transformation Services (HATS) V6

```

HodConn:localhost:localhost:server1:myhats3270.ear#1
      DDDDDDD EEEEEEE MMMM MNNNN 00000000
      DD  DD EE  MM MM MM MM CO  00
      DD  DD EE  MM M M MM OO  00 MNNN EEEE  TT
      DD  DD EEEEEEE MM MM MM OO  00 MM MM EE EE TTTTTT
      DD  DD EE  MM M MM OO  00 MM MM DDDDD  TT
      DD  DD EE  MM M MM OO  00 MM MM EE  TT
      DDDDDDD EEEEEEE MM MM 00000000 MM MM EEEE  TT

      WELCOME TO IBM
      ZSPRINTERS
      HELP DESK: 972-280-3966

      YOUR IP ADDRESS : 24.140.165.79
      YOUR TELNET PORT: 01143

      -----
      | APPLICATIONS AVAILABLE |
      -----
      | TSO | IMSM | | |
      | IMSA | IMSB | | |
      | CICS | CICSA | CICSB | |
      -----

      SELECTION ==>
  
```

HA* ho localhost:server1:myhats3270.ear#1 24/020

Welcome Cindy Neumann!



Business Portal

Star Agency - 3270 | Star Agency - HATS | Star Agency with Oracle | News | Business News | Business Apps | Cics

On-Demand Portlet

Instructions

On-Demand Client Mainframe - Tab - A

Step-by-step:

Jump Same Save and exit Send Recv Copy Paste PrtScr Remap Color Play Macro... Record Macro... Stop Macro Pause Macro Run Ap

1. **CICSMANT**
2. **WG3DSDS / DEMO2DAY**
3. **PA00**
4. **WG3DSDS / MEAND2**
5. Choose **2**
6. Type **1** for action
Type **AG** for record type
Type **G** for unit
7. Press **F4**
8. **C** for change mode

```
PROGRAM: PA05PID          STAR AGENCY          04/18/2003  13:47:08
TRANSID: PA05             MAIN MENU              TOAID: WG3DSDS
```

OPTION NUMBER:

1. SEARCH
2. AGENT/PAYEE
3. AGENCY/ADMIN
4. REPORT OPTION
5. STATE
6. SYSTEM CONTROL

F1=HELP F2=REFRESH F3=EXIT

MA a

05/019



Welcome Cindy Neumann!



Business Portal

Star Agency - 3270 | Star Agency - HATS | Star Agency with Oracle | News | Business News | Business Apps | Cics

IBM WebSphere Host Publisher

Reset Host Publisher Portlet

Star Agency with Oracle data using WebSphere Host Publisher

Instructions

Just fill in the blanks! :-)

Examples:

Policy 34; Part 132; Account 0

Policy 33; Part 1; Account 0

Policy 100; Part 1005002; Account 500

[Submit]

Due to the nature of the test data, only a few input combinations yield substantial and relevant results, so we encourage you to STICK TO THESE EXAMPLES.

Also, in the Control number field on the Agency information page, which is used to get data from the mainframe, ENTER A VALID VALUE FROM THE LIST OF AGENCY NUMBERS (the FIRST COLUMN in the table).

Insurance Application for STAR Agency and Oracle Data Warehouse

Search for Policy Details

Enter Policy Number:	<input type="text" value="34"/>
Enter Part Number:	<input type="text" value="132"/>
Enter Account Number:	<input type="text" value="0"/>
<input type="button" value="Get Policy Details"/>	

Policyholder Details

Policy Number	34	Address 1		Number of Accounts	1
Part Number	132	Address 2		Total # of EEs	
Policyholder	S. JOSEPH & SONS	Address 3	320 6TH AVE	# of EEs Enrolled	
Policy dba		City	DES MOINES IA 50309 4101		
Contact	JOHN JOSEPH	State	IA	AM	
Title	VICE PRESIDENT	Zip	50309 4101	RM	
Phone	5152831961	Salutation		TG Rep	
Fax		Issue Date		Vol Rep	
E-mail Address		PH Tier			

Policy Number

Policy Details

Plan Type	Effective Date	Estimated Annual Premium
LTD	2003-01-01 00:00:00.0	8861.92

Agency Details

Policy **33**; Part **1**; Account **0**

Policy **100**; Part **1005002**; Account **500**

[Submit]

*Due to the nature of the test data, only a few input combinations yield substantial and relevant results, so we encourage you to **STICK TO THESE EXAMPLES.***

*Also, in the Control number field on the Agency information page, which is used to get data from the mainframe, **ENTER A VALID VALUE FROM THE LIST OF AGENCY NUMBERS (the FIRST COLUMN in the table).***

For all other entries, just use the parameters (variables) filled in. As and when we get new valid sample data, we will add to the choices.

Welcome Cindy Neumann!



Business Portal

Business News | News | Business Apps | Star - V1 | Star - V2 | Star - V3 | Star - V4 | Star - V5

Policy Lookup

Policy Holder Detail

Policy Holder Lookup

Policy Holder Information

Please enter the following information:

Policy Number *

Contract Number *

Account Number *

Search

Policy Detail

Policy Detail Page

Policy Type	Effective Date	Total Value
-------------	----------------	-------------

Agency Lookup

Agency Lookup

Agency ID	Last Name	First Name	Company	Company Div	City	State	Zip	Type
-----------	-----------	------------	---------	-------------	------	-------	-----	------

1 - 0 of 0

Agency Lookup

Policy Holder Lookup

Please enter the following information:

Policy Number *
Account Number *
Amount Number *

Search

Policy Holder Information

Name	JOHN JOSEPH
Title	VICE PRESIDENT
Phone Number	5152831961
Accounts	1
Address 1	320 6TH AVE
Address 2	DES MOINES IA 50309 4101
State	IA
Office CD	13
Zip	50309 4101

Policy Detail Page

Policy Type	Effective Date	Total Val
	2003-01-01 00:00:00.0	

Agency Lookup

Agency ID	Last Name	First Name	Company	Company Div	City	State	Zip	Type
236700000	REIMAN	BRADLEY			DES MOINES	IA	50309	I
000010012			LAMAIR MULOCK CONDON CO		WEST DES MOINES	IA	502665945	C
399999999			NO PRODUCER FOUND		KANSAS CITY	MO	64801	C

Other V5.1 Items

- Support WebSphere Business Integration Server Foundation v5.1.1. and related platforms, DBs and LDAPs
- Platform Support
 - ▶ Windows, AIX, Solaris, Linux, **HP-UX**, Linux on pSeries,
- Performance enhancements
 - ▶ Improved memory usage and admin performance
- Faster Install, Better **DB transfer** performance
- Enhanced support for JSR 168 and WSRP
- **Backbutton** Support
- Common Mail Portlet