



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 top navigation bar with links like "w3 home", "BluePages", "HelpNow", and "Feedback". Below this is a main content area with several sections:

- Essential links:** A list of links including "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", and "Speak Up Program".
- News:** A section titled "Top stories" with a "Past 7 days" filter. It features three articles:
 - 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:** A search bar with options for "Name only (smith, jo*)" and "Entire profile ('grid computing')". It includes a "GO" button and a link to "Advanced search".
- Other searches:** A section with radio buttons for "w3 intranet", "IBM discussion forums", "IBM news articles", and "ibm.com Internet". It also has a "GO" button and a link to "Advanced search".
- Market report:** A section titled "Quoted at 12:43 PM, EDT on 3 May." with a "Refresh" link. It contains a table of market data:

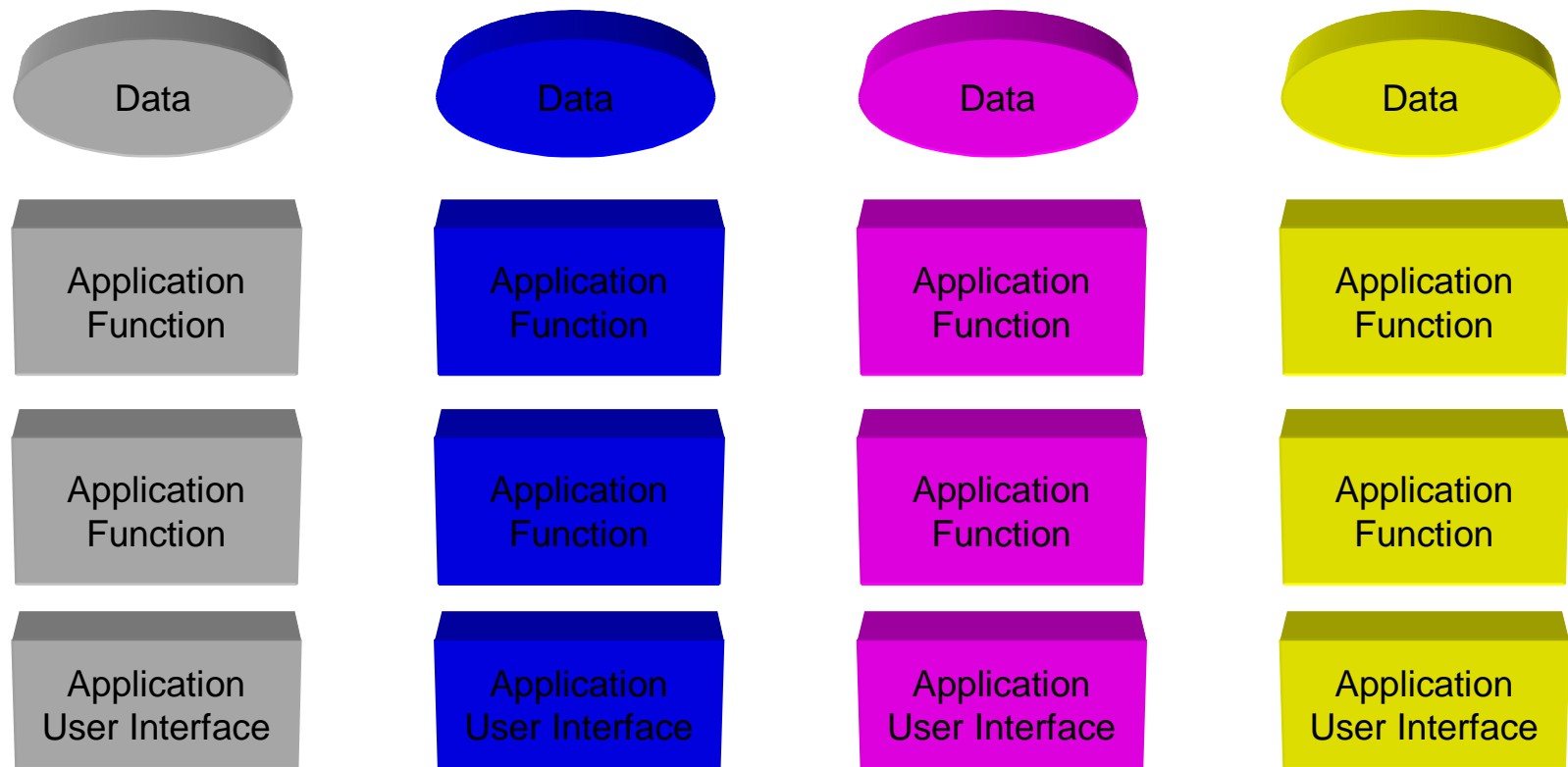
Symbol	Current	+/-
IBM	87.70	-0.47

 Below this is another table:

Indices	Last
DOWJONES	10,300.87

An On Demand Workplace!

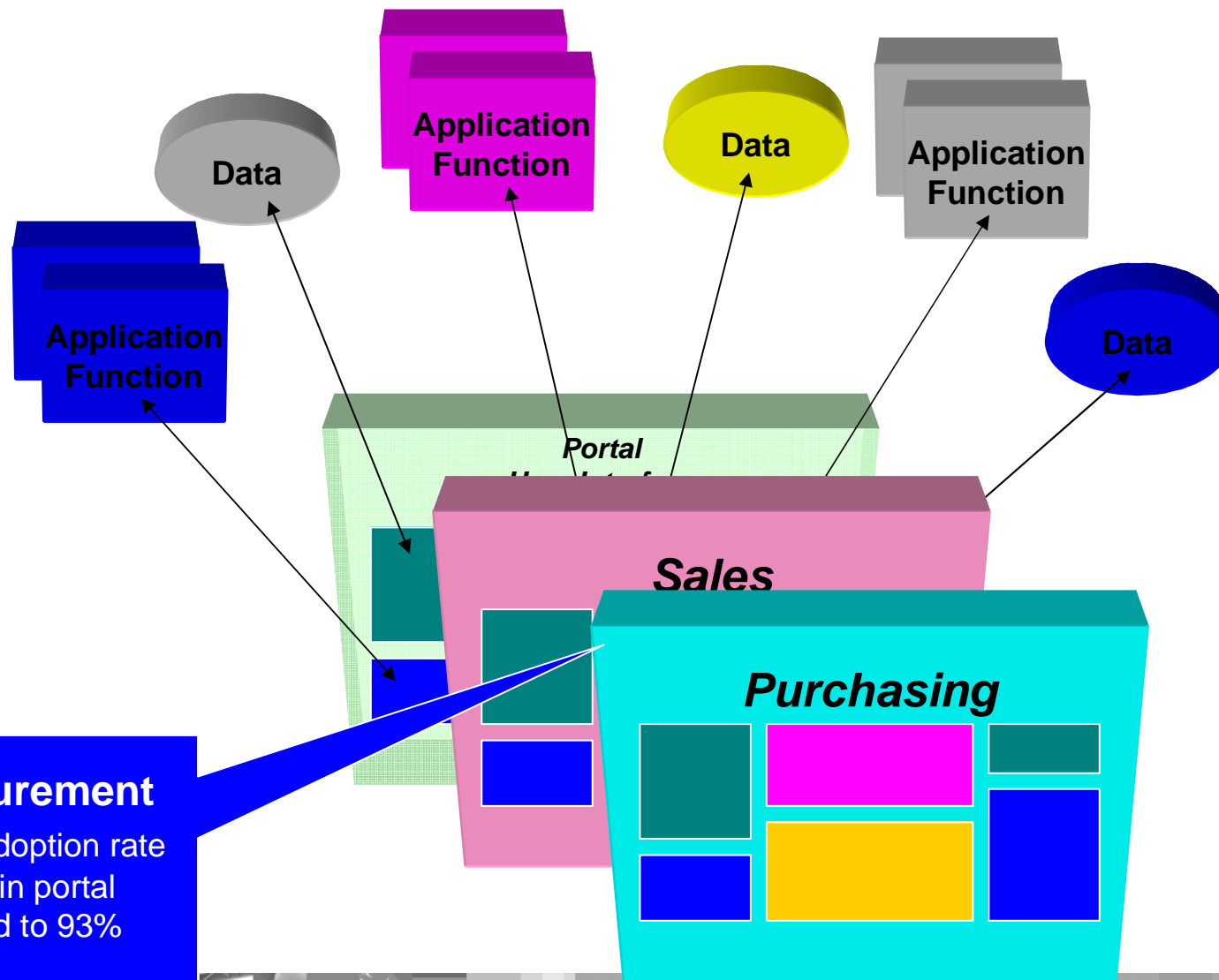
Conceptual View – Without Portal



Pain - Information Stovepipes User Frustration



Conceptual View – With Portal



WebSphere Portal

Branding

The screenshot displays the IBM WebSphere Portal interface within a Microsoft Internet Explorer browser window. The page features the On Demand Corporation branding, a welcome message for Cindy, and a navigation menu on the left. The main content area includes an 'Inventory portlet' with a table of parts and their quantities, and a 'Sales Chart' portlet showing a 3D bar chart of phone sales over time. Red arrows highlight the branding, navigation, and portlets areas.

Navigation

Inventory portlet

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

Sales Chart

Phone Sales

Type of chart: Bar Chart Width: 400
Type of chart: PNG Height: 300 Update

Legend: Cell (Red), Home (Green)

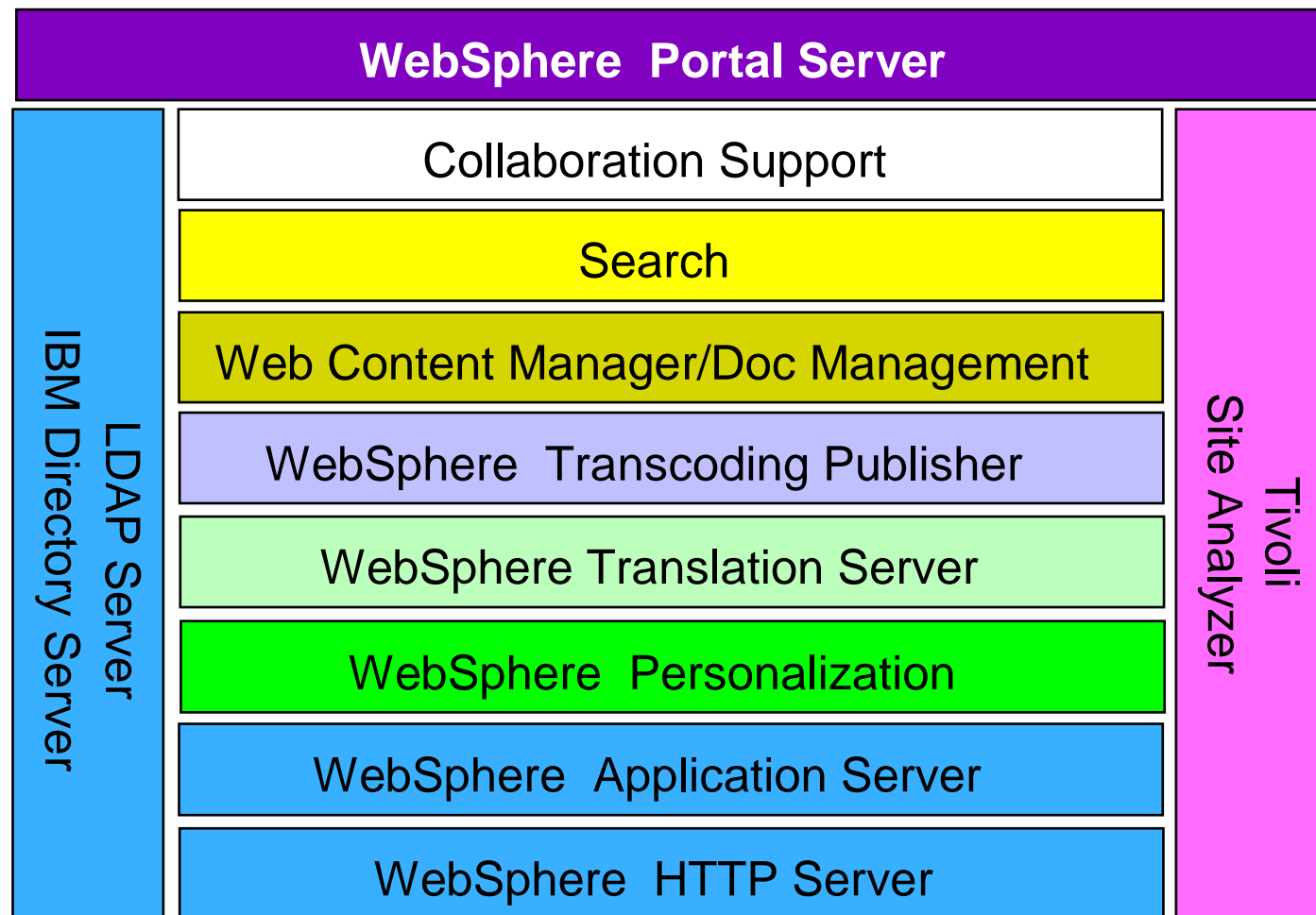
Y-axis: 2002, 2003, 2004, 2005

X-axis: Time (10,000s)

WebCharts 3D Evaluation version

Portlets

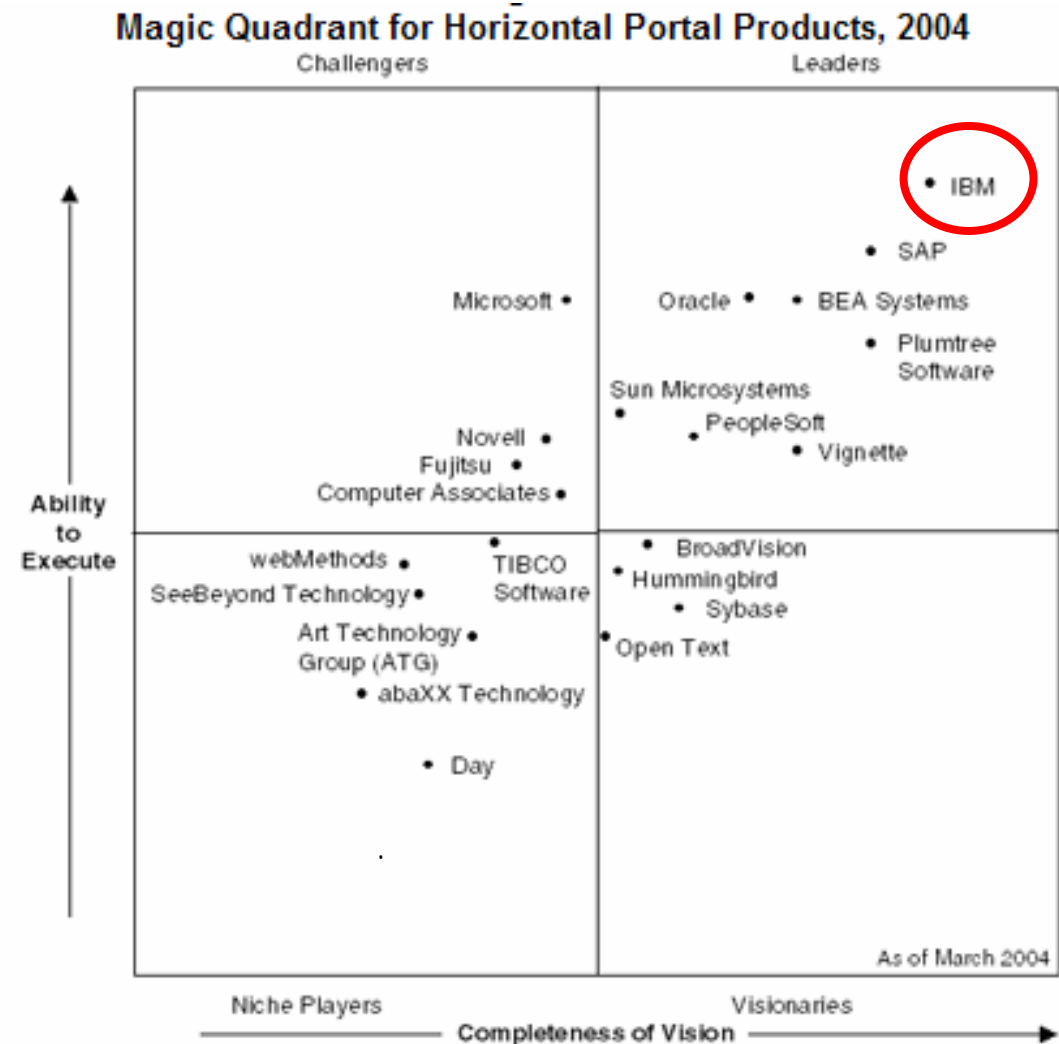
WebSphere Family



Magic Quadrant: Portal Leadership 2004

WPS is more than just a Portal:

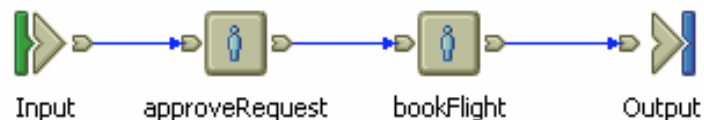
- ▶ Portal - #1
- ▶ Web Services - Co Chair
- ▶ Web App Server - #1
- ▶ Collaboration - #1
- ▶ Java Tools - #1
- ▶ Commerce - #1



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



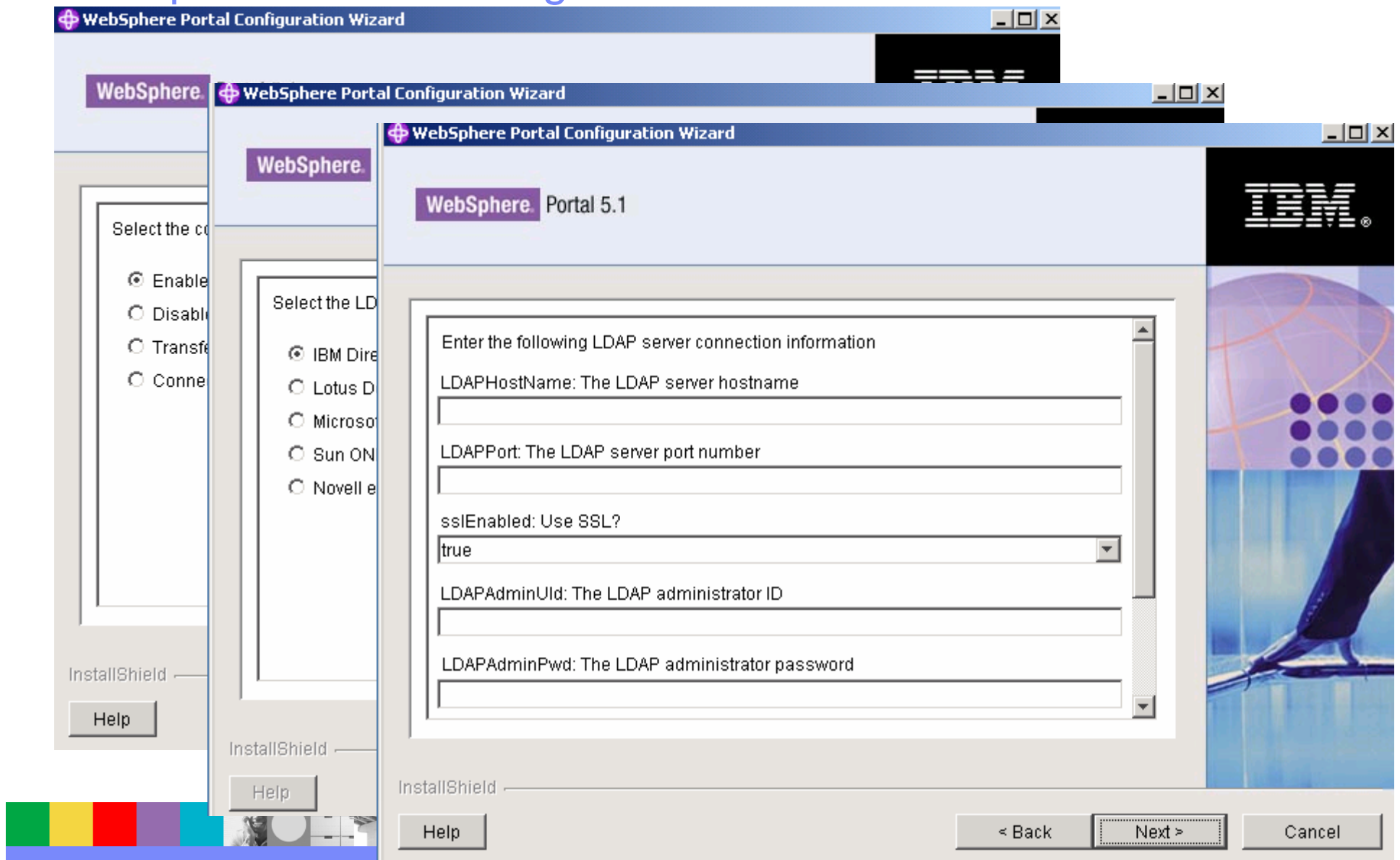
Installation process

- ▶ **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 image shows a screenshot of the WebSphere Portal Configuration Wizard, specifically the 'Portal 5.1' window. The wizard is titled 'WebSphere Portal Configuration Wizard' and features the IBM logo in the top right corner. The main content area is titled 'Portal 5.1' and contains a section for 'Enter the following LDAP server connection information'. This section includes several input fields: 'LDAPHostName: The LDAP server hostname', 'LDAPPort: The LDAP server port number', 'sslEnabled: Use SSL?' (a dropdown menu currently set to 'true'), 'LDAPAdminUid: The LDAP administrator ID', and 'LDAPAdminPwd: The LDAP administrator password'. To the left of the main input area, there are two panels. The top panel, titled 'Select the co...', contains radio buttons for 'Enable', 'Disable', 'Transfe', and 'Conne'. The bottom panel, titled 'Select the LD...', contains radio buttons for 'IBM Dire', 'Lotus D', 'Microso', 'Sun ON', and 'Novell e'. At the bottom of the wizard, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a dashed border. The 'Help' button is located at the bottom left of the wizard.

WebSphere Portal Configuration Wizard

WebSphere Portal Configuration Wizard

WebSphere Portal Configuration Wizard

WebSphere Portal 5.1

Select the co...

- ☒ Enable
- ☐ Disable
- ☐ Transfe
- ☐ Conne

Select the LD...

- ☒ IBM Dire
- ☐ Lotus D
- ☐ Microso
- ☐ Sun ON
- ☐ Novell e

Enter the following LDAP server connection information

LDAPHostName: The LDAP server hostname

LDAPPort: The LDAP server port number

sslEnabled: Use SSL?

true

LDAPAdminUid: The LDAP administrator ID

LDAPAdminPwd: The LDAP administrator password

InstallShield

Help

InstallShield

Help

InstallShield

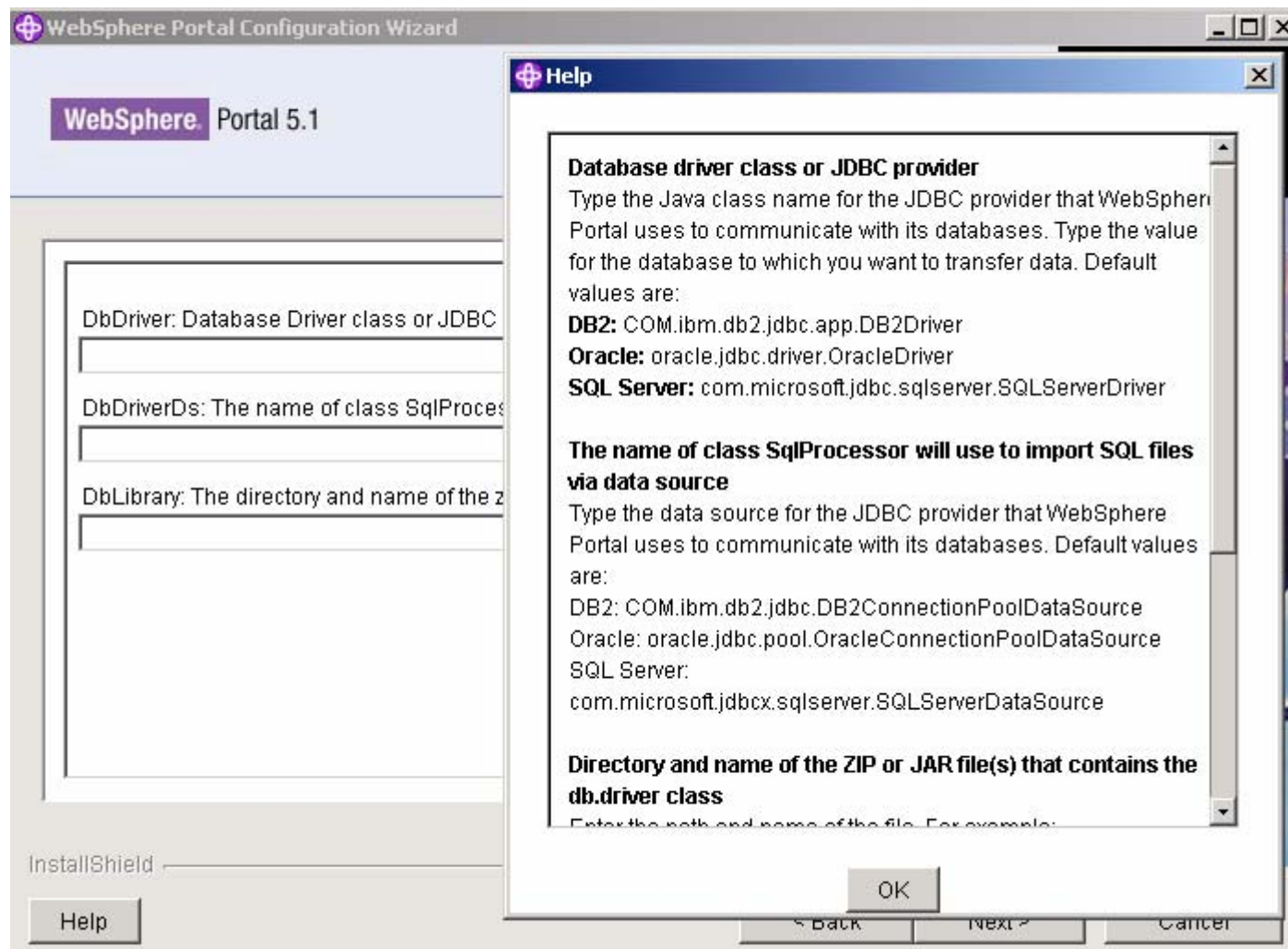
Help

< Back

Next >

Cancel

WebSphere Portal Configuration Wizard

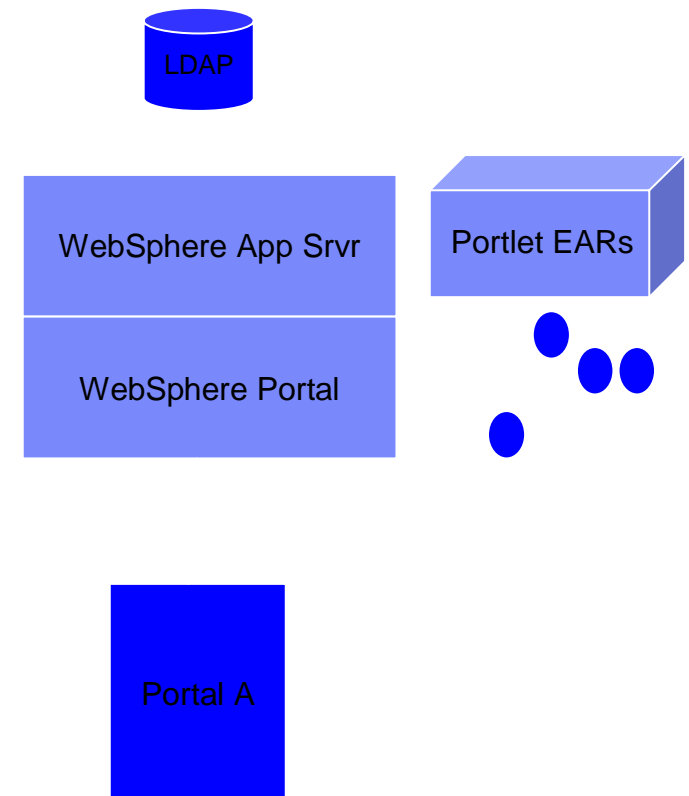


Portal 5.1 features - Install, deploy and admin

- 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

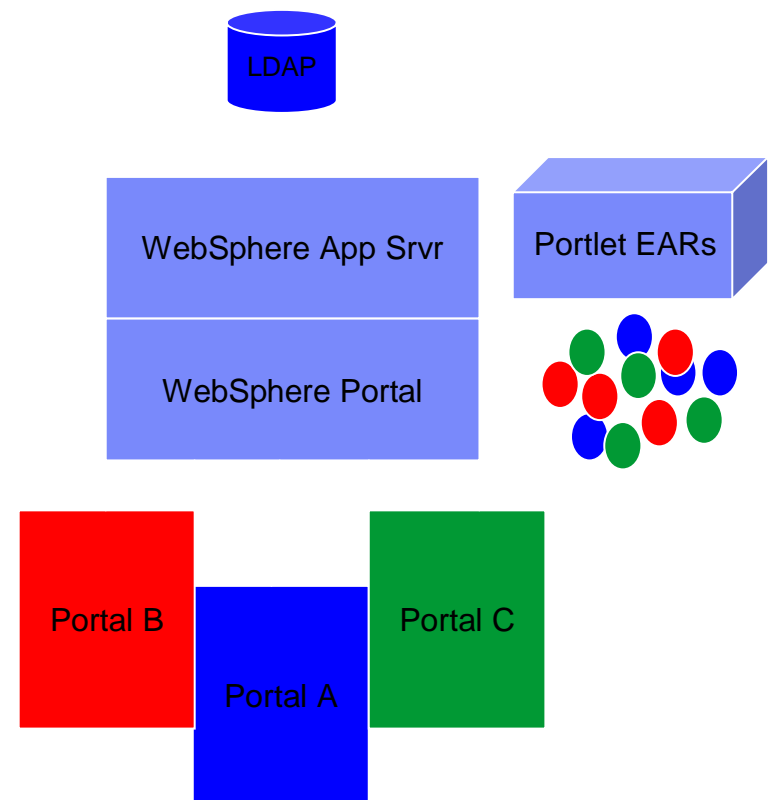
Virtual Portals

- 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

New Page | Edit Page | Search: []

My Favorites

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

Calendar
Collaboration Center
HR Info
Benefits
Pay Check
401K
Manager
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

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

Inbox Page 1 of 1

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

MyPhotoPortlet portlet

MyPortal | Administration | Edit my profile | Log out

New Page | Edit Page | Assign Permissions | Search: []

My Favorites

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

Inbox Page 1 of 1

	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

Inbox
Drafts
Sent
All Messages
Junk Mail
Trash [Empty]

Microsoft Exchange

The screenshot displays the IBM WebSphere Portal interface within a Microsoft Internet Explorer browser. The browser's address bar shows the URL: `http://portal2k3.ibm.local:9081/wps/myportal/!ut/p/kcxml/04_Sj9SPykssy0xPLMnMz0vM0Y_QjzKLN4h3CwDjgFjGpvqRqCKO6AKWLugibr5wEV-P_NxU_VCEYUb6EWb63voB-gW5o`. The portal's navigation bar includes links for **My Portal**, **Administration**, and **Edit my profile**. Below this, a search bar and links for **New Page**, **Edit Page**, and **Assign Permissions** are visible. The main content area is titled **Microsoft Outlook** and features a **Common Mail Portlet** and **Outlook Web Access** section. A context menu is open over the portlet, showing options: **Open**, **Print**, **Reply** (highlighted), **Reply to All**, **Forward**, **Follow Up**, and **Mark as Unread**. The portlet displays a list of emails with columns for **From**, **Subject**, **Size**, and **Received**. The first email is from **wpsadmin** with the subject **FW: SharePoint Site: http://portal2k3.ibm.local/share...**, a size of **5 KB**, and received on **Fri 1/21/2005 4:30**. The second email is from **Administrat...** with the subject **Hello world**, a size of **4 KB**, and received on **Thu 10/14/2004 10:**. The third email is from **Outlook 20...** with the subject **Welcome to Microsoft Office Outlook 2003**, a size of **35 KB**, and received on **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

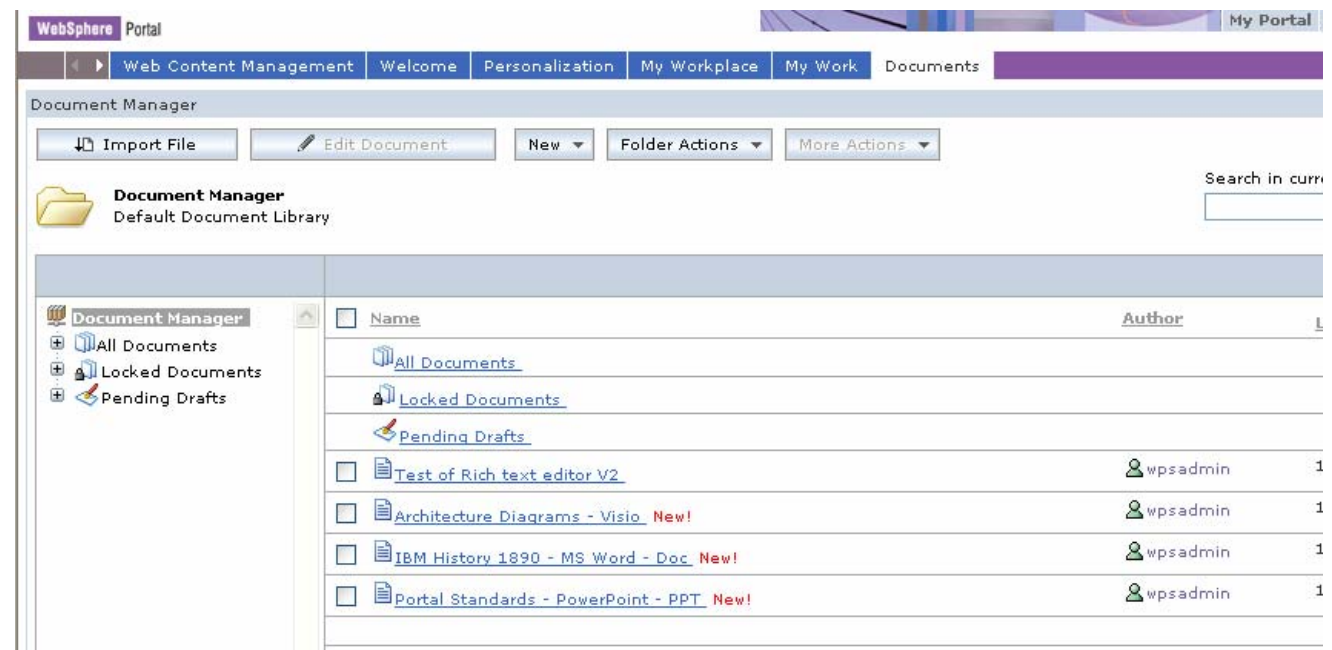
Version documents

Control Access on folders and documents

Subscribe to folders and documents

Search folders and documents

People awareness



View over 200 file formats

On Demand Corporation
A Virtual eBusiness Powered by IBM

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[Employees] --- Intranet((Group Intranet))
    Intranet --- GSS[Cisco GSS]
    GSS --- HTTP1[HTTP] --- WAS1[WebSphere Application Server Network Deployment 5.0.1]
    WAS1 --- HTTP2[HTTP] --- WAS2[WebSphere Application Server Advanced Edition 4.0.5]
    WAS1 --- SiteMinder[Netegrity SiteMinder Policy Server 5.5]
    SiteMinder --- eDirectory[Novell eDirectory 8.6.2]
    SiteMinder --- DB[Oracle DB 8.17]
    DB --- Note1[Will be migrated to 9.2 in 8.03.]
    WAS1 --- SystemsManagement[Systems Management]
    SystemsManagement --- Monitoring[Monitoring]
    SystemsManagement --- TestingTools[Testing Tools]
    WAS1 --- Note2[WAS will be implemented on SiteMinder]
```

Employees

Group Intranet

Cisco GSS

Oracle DB 8.17

Will be migrated to 9.2 in 8.03.

Netegrity SiteMinder Policy Server 5.5

Novell eDirectory 8.6.2

WebSphere Studio Application Developer 5.0.1

WebSphere Application Server Network Deployment 5.0.1

WebSphere Application Server Advanced Edition 4.0.5

Systems Management

Monitoring

Testing Tools

WAS will be implemented on SiteMinder

PDM integration with Mail

The screenshot displays the IBM On Demand Corporation web portal interface. The main header includes the company name and logo, a welcome message for 'Mark!', and navigation links like 'My Portal', 'Edit my profile', and 'Log out'. A search bar is also present.

The 'Document Manager' tab is highlighted in the top navigation bar. Below it, the 'Send a Link' section is visible, featuring a large text area for a link, an 'Add' button (circled in red), and a 'Remove' button. A 'Comments (optional):' text area and 'OK'/'Cancel' buttons are also present.

A 'Directory Search: Find People' dialog box is open, showing search results for 'cindy'. The search results list 'Cindy Neumann' with the email address 'cindy@ondemand.com'. A red arrow points from the 'Add' button in the 'Send a Link' dialog to the search results. The dialog also includes a 'To: >' button and a 'Remove Selected Names' button.

The 'Personalized List' section at the bottom shows a list of documents for different users:

- CN=Chris Crummy,O=ondemand**
 - Decade 1910.doc
- CN=Cindy Neumann,O=ondemand**
 - Decade 1890.doc
 - Architecture Diagrams.viso
- CN=Jake Neumann,O=ondemand**
 - Decade 1900.doc

PDM integration with Mail

The screenshot displays the On Demand Corporation web portal, a Virtual eBusiness Powered by IBM. The user is Mark, and the portal shows a welcome message and navigation links. The left sidebar 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 message 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". The message body contains a red-bordered box with a speech bubble icon and the text "wpsadmin has sent you a link to a document in the Document Library: Document Manager". Below this, the document details are listed: Name: Decade 1890.doc, Author: Cindy Neumann, Folder: /IBM History, Date created: 1/6/05, Date last modified: 1/6/05, and Description: test pdm. At the bottom, there is a red-bordered box containing a document icon and the link "Go to document".

On Demand Corporation
A Virtual eBusiness Powered by IBM

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

The screenshot displays the IBM WebSphere Portal interface within a Microsoft Internet Explorer browser window. The address bar shows a URL from portal.ibm.com. The portal's navigation bar includes tabs for 'Web Content Management', 'Welcome', 'Personalization', 'My Workplace', 'My Work', and 'Documents'. The 'Web Content Management' section is active, showing a 'Content Preview' view. Below this, there's a 'Web Content Authoring' section with a 'Web Content' tab and buttons for 'New', 'Read', 'Edit', 'Delete', 'Preview', 'Link To', and 'Edit Security'. The main content area is titled 'Content by Title' and includes a description: 'This view displays a list of Content by Title.' On the left, a tree view shows the 'Content Library' expanded, with 'Content by Title' selected. Other options in the tree include 'Content by Site Area', 'Content by Category', 'Content by Workflow', 'Content by Authoring Template', 'Design and Development', 'Site Management', 'Workflow Management', 'Version Management', and 'Administration'. On the right, a table lists content items with columns for 'Filter', 'Filter', 'Filter', and 'Filter'. The table contains three rows of content, each with a checkbox, a title, a status indicator (green dot), and a date (Nov).

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

IBM WebSphere Portal - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Refresh Print Mail News RSS Feeds

Address http://wps.ondemand.com/wps/myportal/lut/p/kcxm/04_Sj9SPykssy0xPLMnMz0vM0Y_QjzKLN43dAXJgFgmQBAYdoeJG Go SnagIt

 **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

Authoring

Content Preview

Web Content Authoring

Web Content (Untitled) X

Close Save Save... Component Manager Apply Authoring Template

(Untitled)

* Required Fields.

Identification

* Name:

Description:

Type: Content

Authors: Cindy Neumann [Select Authors](#)

Owners: Cindy Neumann [Select Owners](#)

Profile

Site Area Information

Content

Display Title

WCM – Personalized Content

The image displays two side-by-side screenshots of the On Demand Corporation website, illustrating personalized content based on user roles. The left screenshot is for a user named Mark, and the right is for a user named Cindy.

Non-Manager (Left Screenshot):

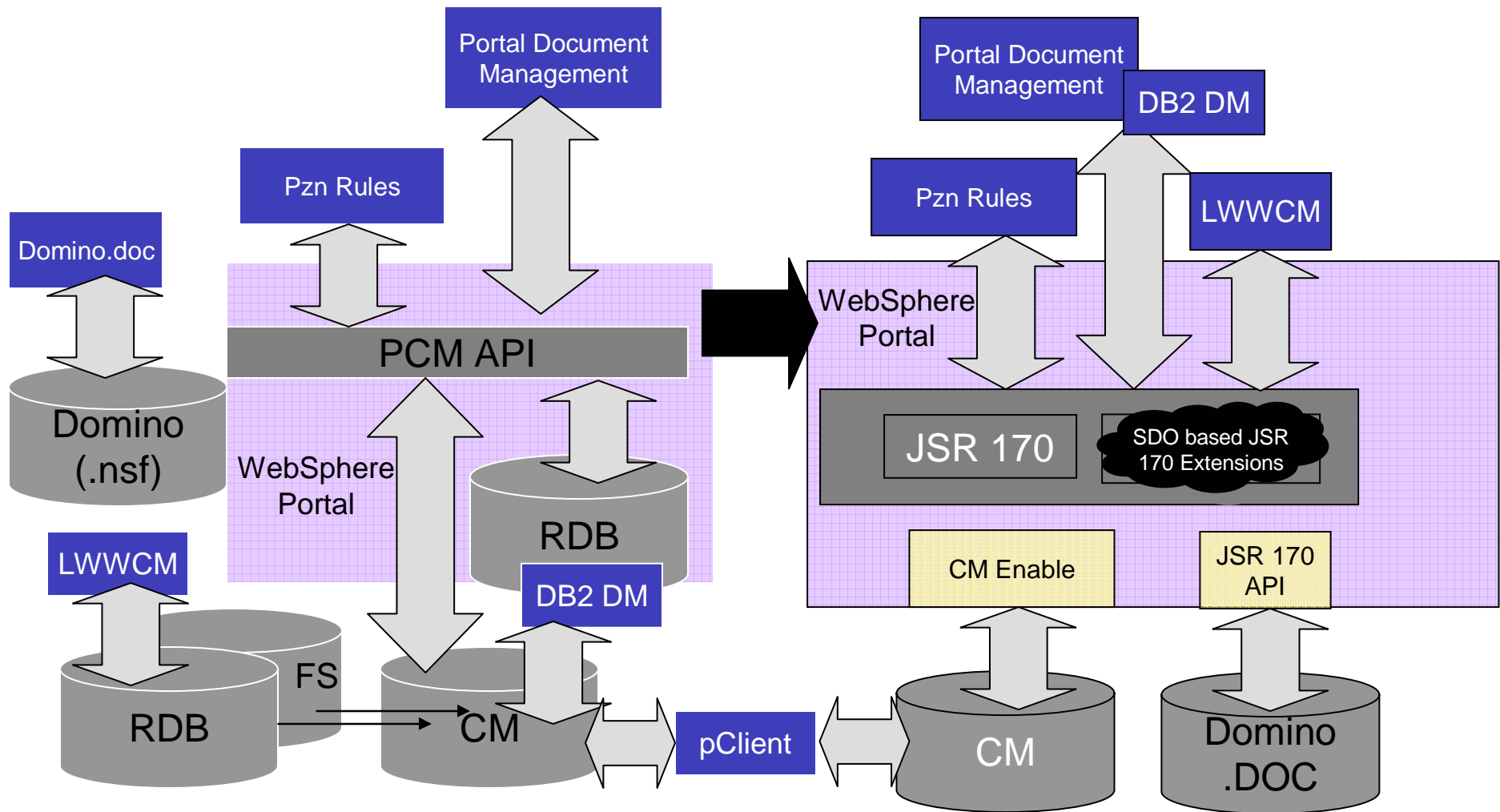
- User:** Welcome Mark!
- Navigation:** My Work, News, Business, Documents, My Tasks.
- Content:** The "News" section is circled in red, showing a list of articles including "IBM Unveils World's Smallest SRAM Memory Cell" and "IBM Pledges 500 U.S. Patents To Open Source In Support Of Innovation And Open Standards".

Manager (Right Screenshot):

- User:** Welcome Cindy!
- Navigation:** My Work, News, Business, Documents, Web Content Management, My Tasks.
- Content:** The "News" section is circled in red, showing a list of articles including "Management budgets are do.", "IBM Unveils World's Smallest SRAM Memory Cell", and "IBM Pledges 500 U.S. Patents To Open Source In Support Of Innovation And Open Standards".

Red arrows point from the labels "Non-Manager" and "Manager" to their respective screenshots. The bottom of the image features a row of colored squares (green, yellow, red, purple, blue) and a small graphic of a person's head.

Content Application Convergence



Executive Dashboard with Personalization

Same Portlet
Different Rules

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

Who Is Here: Chris Crummy, Cindy Neumann

Sales Chart

Phone Sales

Inventory portlet

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

W C X

On Demand Corporation
A Virtual eBusiness Powered by IBM

Welcome Mark!

New Page Edit Page

My Work News Business Documents My Tasks

Who Is Here: Cindy Neumann, Mark Neumann

Sales Chart

Inventory portlet

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

W C

Type of chart: Bar C

Type of chart: PNG

Cell

2005

2004

2003

2002

0 0.256 0.511 0.

WebC

New Personalization Portlets

On Demand Corporation
A Virtual eBusiness Powered by IBM

Welcome Jake! [My Portal](#) [Administration](#)

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

Business Documents Web Content Management Developers Area Personalization My Tasks

Workspace

Personalized List

Personalization Navigator

New Import Delete More Actions

Select View: All

Browsing Workspace

Name	Type	Author	Last Modified
GreenRule	Rule	Jake Neumann	February
Inventory	Collection	wpsadmin	December
greenSpot	Content Spot	wpsadmin	December
redSpot	Content Spot	wpsadmin	December
redrule	Rule	wpsadmin	February
yellowRule	Rule	Jake Neumann	February
yellowSpot	Content Spot	wpsadmin	December

[Hide Explorer View](#) (1 selected)

Personalization Editor

[View Rule](#) [Preview](#) [Document Info](#)

redrule Last Modified

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](#) 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

Performance Traffic Table WSDL

Daily Operational Reporting

Plant: Month/Year:

Cost Center: Calendar Day:

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

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

[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

GoodStandingPortlet portlet

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

Alabama

Click after making a selection

[Go get it!](#)

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

[Complete](#)

[New Document](#) [Launch Application](#)

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

Domino Integration with Bowstreet

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](#)

WebSphere Portal Application Integrators

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

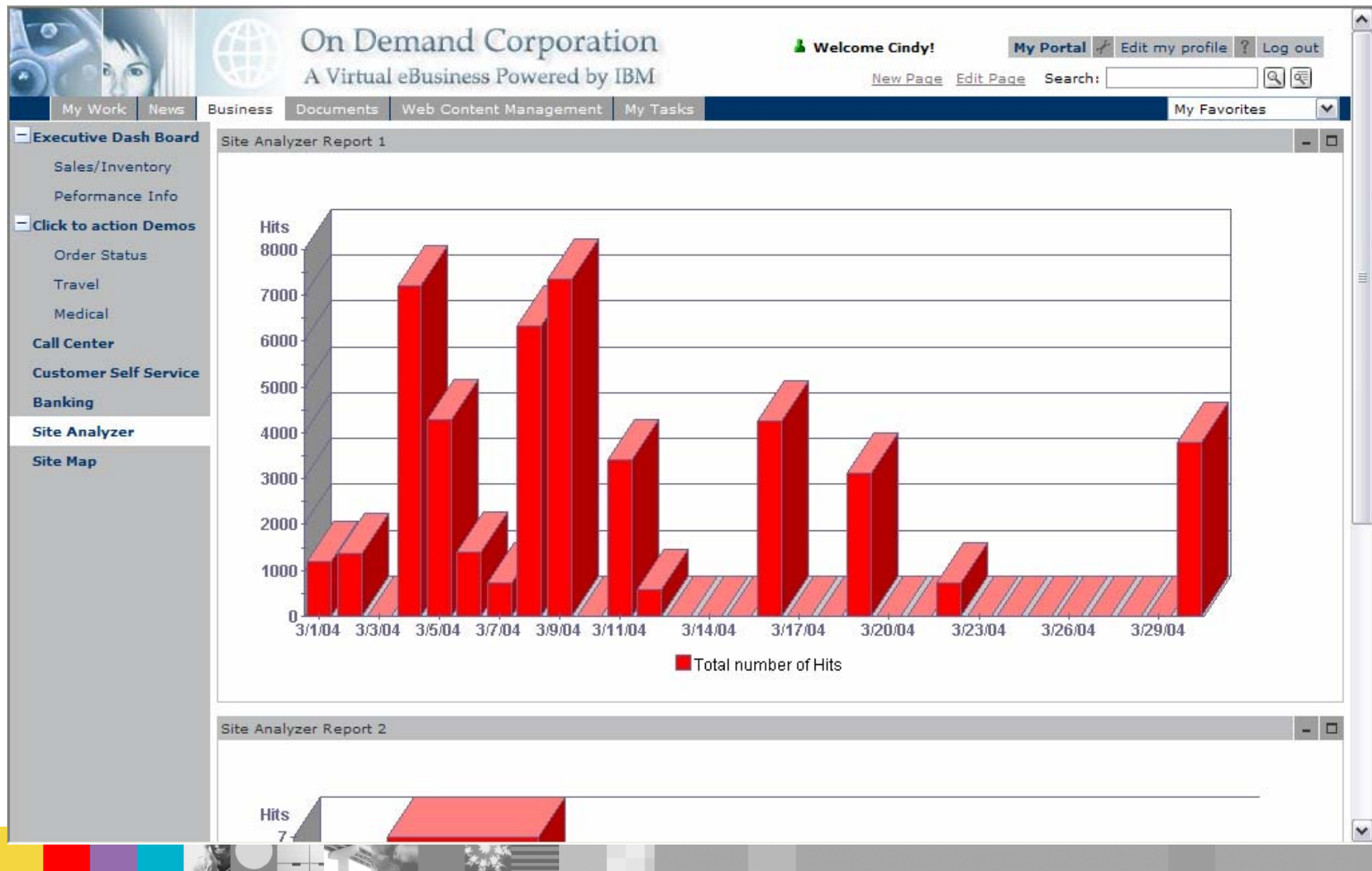
Available via the **Portlet Catalog**:

- Thousands of pre-built portlets
- Immediately usable

The screenshot shows the 'JDBO Business Object Builder' interface within a WebSphere Portal. The top navigation bar includes 'Welcome', 'My Work', 'YourCo Financial', 'My Finances', and 'My Newsroom'. Below this, there are tabs for 'E-mail', 'Productivity', and 'Developers Area'. The 'Developers Area' is active, showing a 'Developers Resource' sidebar with links to 'Lotus Domino Builder' and 'JDBC Builder'. The main content area is titled 'JDBO Business Object Builder' and contains a list of business objects. A 'New business object' button is visible. Below the list, there is a table with columns: 'Field', 'Display name', 'Field behavior', 'Summary', and 'Searchable'. The table lists various fields like BIRTHDATE, BONUS, COMM, EDLEVEL, EMPNO, FIRSTNAME, HIREDATE, JOB, LASTNAME, MGR, PNO, SALARY, SEX, and WORKDEPT, each with a corresponding 'Allow update' checkbox and a 'Summary' checkbox. The table is paginated, showing 1-14.

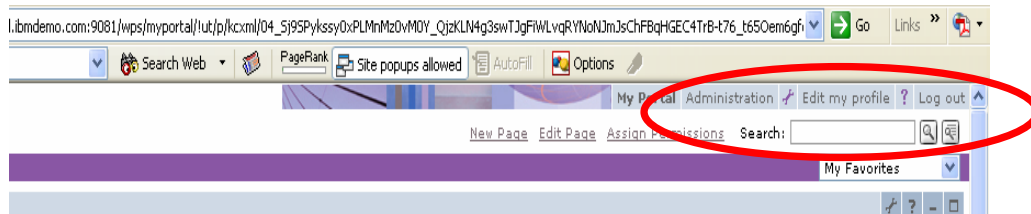
Field	Display name	Field behavior	Summary	Searchable
BIRTHDATE	BIRTHDATE	Allow update	<input type="checkbox"/>	<input type="checkbox"/>
BONUS	BONUS	Allow update	<input type="checkbox"/>	<input type="checkbox"/>
COMM	COMM	Allow update	<input type="checkbox"/>	<input type="checkbox"/>
EDLEVEL	EDLEVEL	Allow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

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



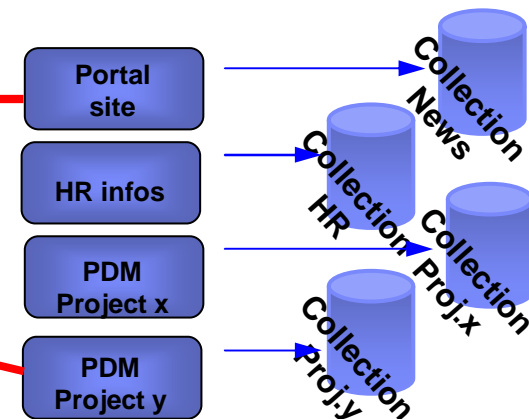
Results found for: **IBM**

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.

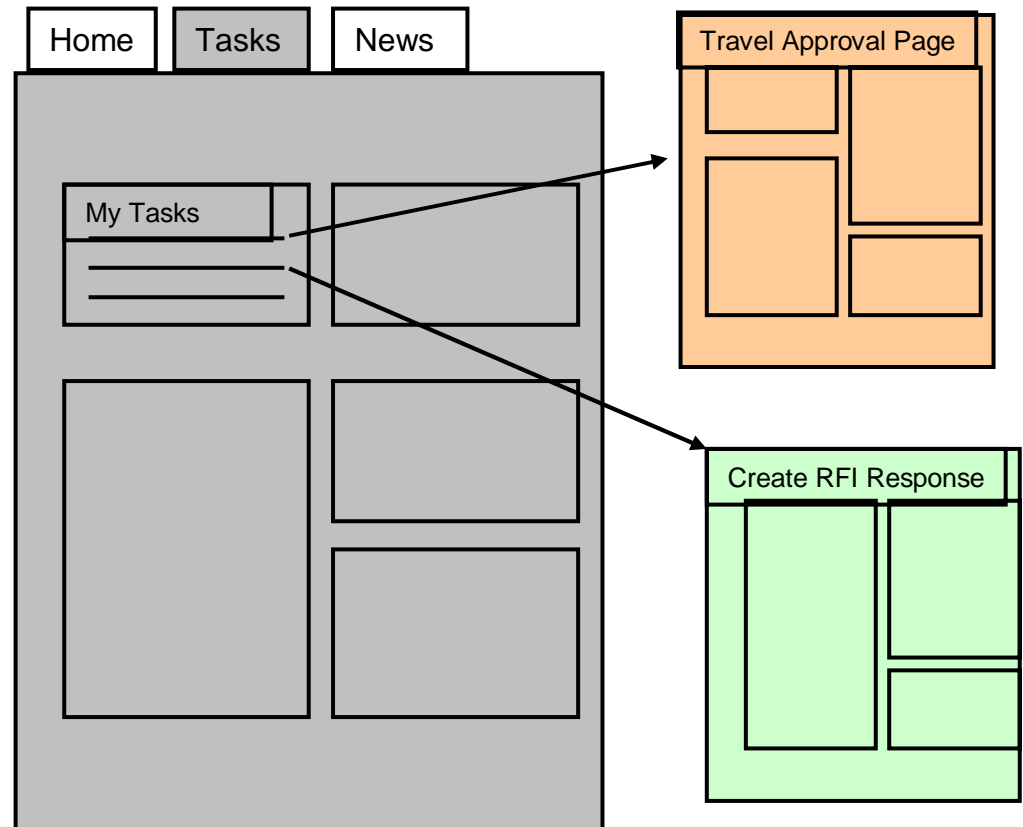
From the end user's point of view, he navigates to a portal page containing a task list portlet displaying his pending tasks. If he selects one of these tasks, he is automatically forwarded to the appropriate task page and can immediately start working on the task.

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

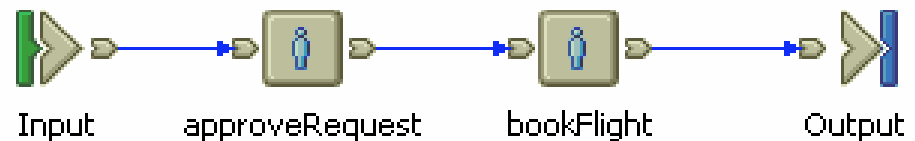
Travel Portal Demo

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

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

Travel Request Portlet

Enter data for your new travel.

Traveller: Cindy Neumann

Destination: New York

Departure Date: 5.10.2002

Reason: Conference

Flight Reservation: (no flight entered)

Add Flight

State Portlet

Destination	Status
Milwaukee:5.10.2005	approvalment in progress

Terminate

**Enter travel task.
Just a normal portlet**

QuickLinks

Quick Browse: Process Choreographer

Go

Process Integration in WebSphere Portal

The screenshot displays the WebSphere Portal interface for the Process choreographer. The top navigation bar includes the WebSphere logo, 'Business Integration Server Foundation', and 'Process choreographer'. The user is logged in as 'Cindy Neumann' with a 'Logout' link. The left sidebar contains navigation links for 'Work Item Lists', 'Process Instance Lists', 'Process Template Lists', and 'Administration'. The main content area is titled 'My To Dos' and includes a description: 'Use this page to work on work items in your To Do list'. Below this is a section for 'Available Actions' with buttons for View, Claim, Complete, Cancel, Restart, Force Complete, and Transfer. A table lists the tasks:

<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

The second row of the table is highlighted with a red border, indicating the task that has been added to the process choreographer.

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

Process Integration in WebSphere Portal

On Demand Corporation
A Virtual eBusiness Powered by IBM

Welcome Chris!

You have 2 new task(s) New Page Edit Page Search: []

My Portal Edit my profile ? Log out

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

E-mail

Calendar Collaboration Center

☐ HR Info

- Benefits
- Pay Check
- 401K
- Manager

Expenses

Travel requests

Site Map

Mail

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

Inbox Page 1 of 1

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

[Hide Folders](#) Page 1 of 1

Chris sees that he has some work to do

Process Integration in WebSphere Portal

The screenshot displays the On Demand Corporation WebSphere Portal. The top navigation bar includes links for My Work, News, Business, Documents, Web Content Management, My Tasks, and My Favorites. A user greeting 'Welcome Chris!' is visible, along with links for My Portal, Edit my profile, and Log out. A search bar and page navigation controls are also present.

The 'My Tasks' section shows a list of tasks. A red box highlights the 'Cancel Claim' button, and a red arrow points to the 'approveRequest' task. The task details show it is 'Claimed' by Chris Crummy on 05/04/2005 at 09:27 AM.

The 'Process choreographer' section shows a list of process instances. A red box highlights the 'approveRequest' task, which is 'Claimed' by Chris Crummy on 4/5/05 at 8:27:39 AM. The task details show it is 'Claimed' by Chris Crummy on 4/5/05 at 8:27:39 AM.

The 'My To Dos' section shows a list of tasks. A red box highlights the 'approveRequest' task, which is 'Claimed' by Chris Crummy on 4/5/05 at 8:27:39 AM. The task details show it is 'Claimed' by Chris Crummy on 4/5/05 at 8:27:39 AM.

The 'Available Actions' section shows a list of actions: View, Claim, Complete, Cancel, Restart, Force Complete, and Transfer.

The 'Process Instance Lists' section shows a list of process instances. A red box highlights the 'approveRequest' task, which is 'Claimed' by Chris Crummy on 4/5/05 at 8:27:39 AM. The task details show it is 'Claimed' by Chris Crummy on 4/5/05 at 8:27:39 AM.

The 'Process Template Lists' section shows a list of process templates. A red box highlights the 'approveRequest' task, which is 'Claimed' by Chris Crummy on 4/5/05 at 8:27:39 AM. The task details show it is 'Claimed' by Chris Crummy on 4/5/05 at 8:27:39 AM.

Process Choreographer shows Chris claimed Cindy's Travel Request

Process Integration in WebSphere Portal

The top screenshot shows the 'My Tasks' portlet in the WebSphere Portal. The header includes 'On Demand Corporation A Virtual eBusiness Powered by IBM', a welcome message 'Welcome Chris!', and navigation links like 'My Portal', 'Edit my profile', and 'Log out'. The 'My Tasks' portlet has a 'Claim' button and a 'Cancel Claim' button. Below these are two tasks:

Task	Created	Description	Claimed	Details
approveRequest	05/04/2005 09:27 AM	This is an extra long desc...	✓	
approveRequest	04/04/2005 02:01 PM	This is an extra long desc...	✓	

The bottom screenshot shows the 'Approval' portlet for a travel request. The header includes 'On Demand Corporation A Virtual eBusiness Powered by IBM', a welcome message 'Welcome Chris!', and navigation links like 'My Portal', 'Edit my profile', and 'Log out'. The 'Approval' portlet has a title bar 'Approval' and a close button. The main content area shows the following details:

Employee Cindy Neumann
Destination New York
Departure Date 5.10.2002
Reason Conference

Flight Reservation

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'.

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

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	

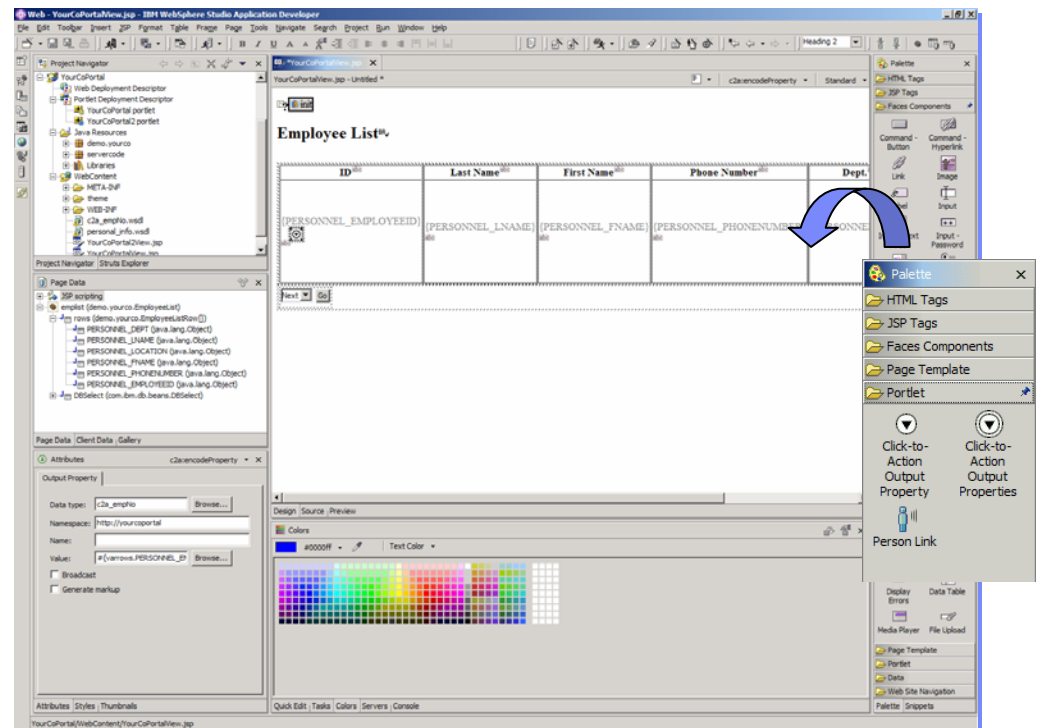
Chris

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.

Input → approveRequest → **bookFlight** → Output

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

Tree Control

Current Account: Account # - Chen

- user
 - portfolio
 - name
 - posite
 - symbol
 - MACR
 - price 49.47
 - quantity 100

Chart

Example of Pie Chart

Symbol	Value
MACR	49
JP	43
JSDO	48

Example of Bar Chart

Symbol	Value
MACR	100
JP	-20
JSDO	40

Tabbed Panel

Employee Office Address

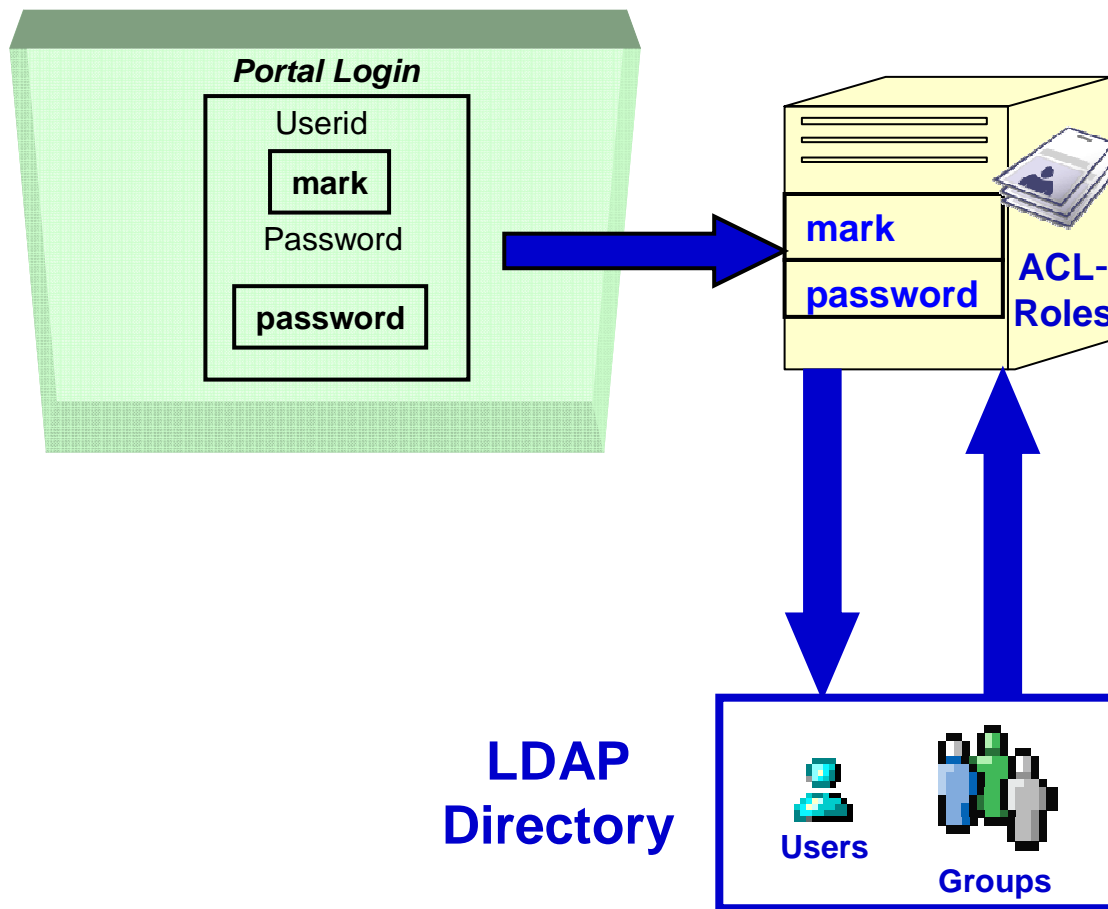
First Name: Gegi Last Name: Thomas

Display Name: Mr. Gegi Thomas

Organization: Services

Consultant

WebSphere Portal Security



J2EE App



mark
password

Inventory



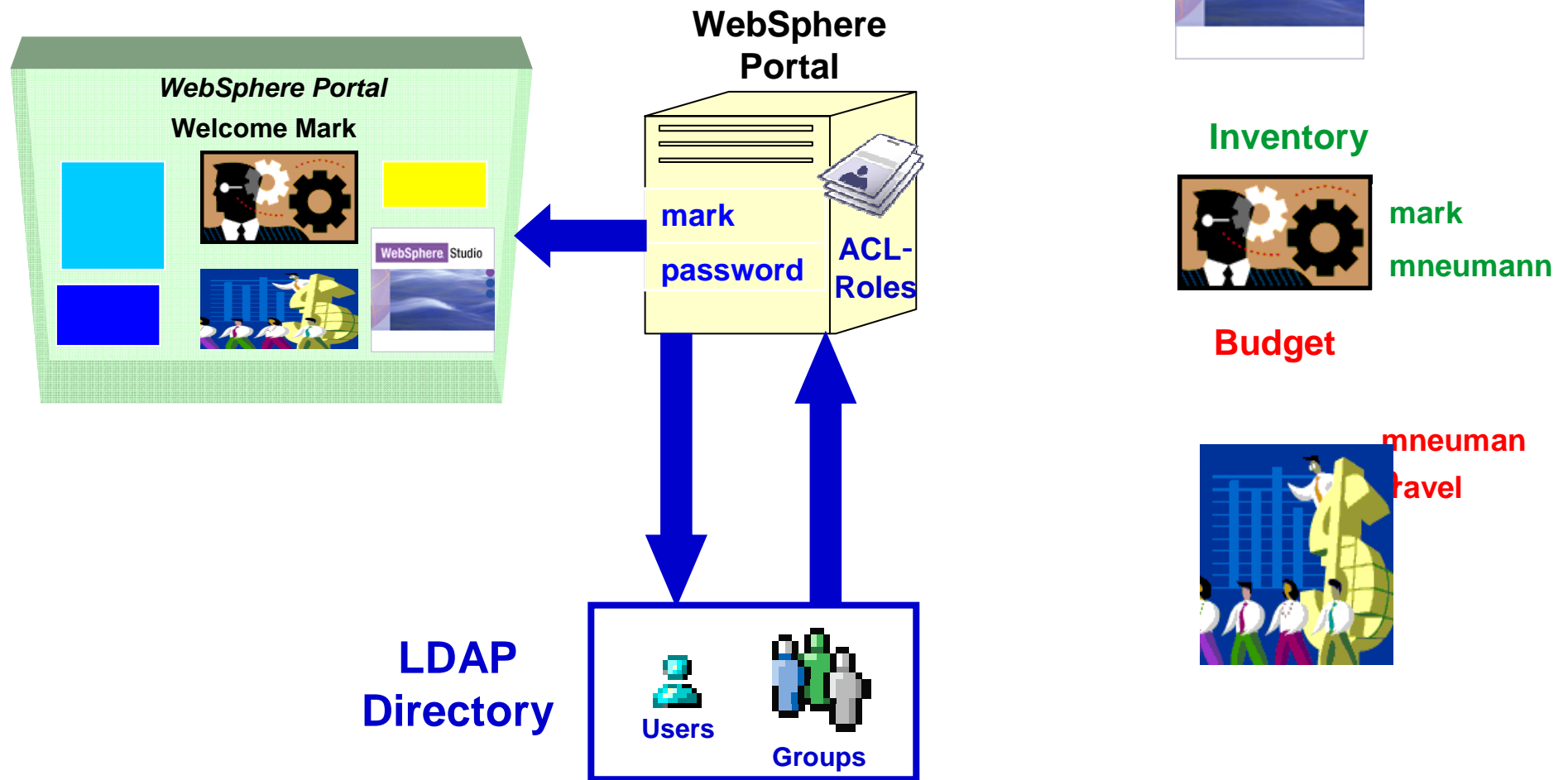
mark
mneuman
n

Budget

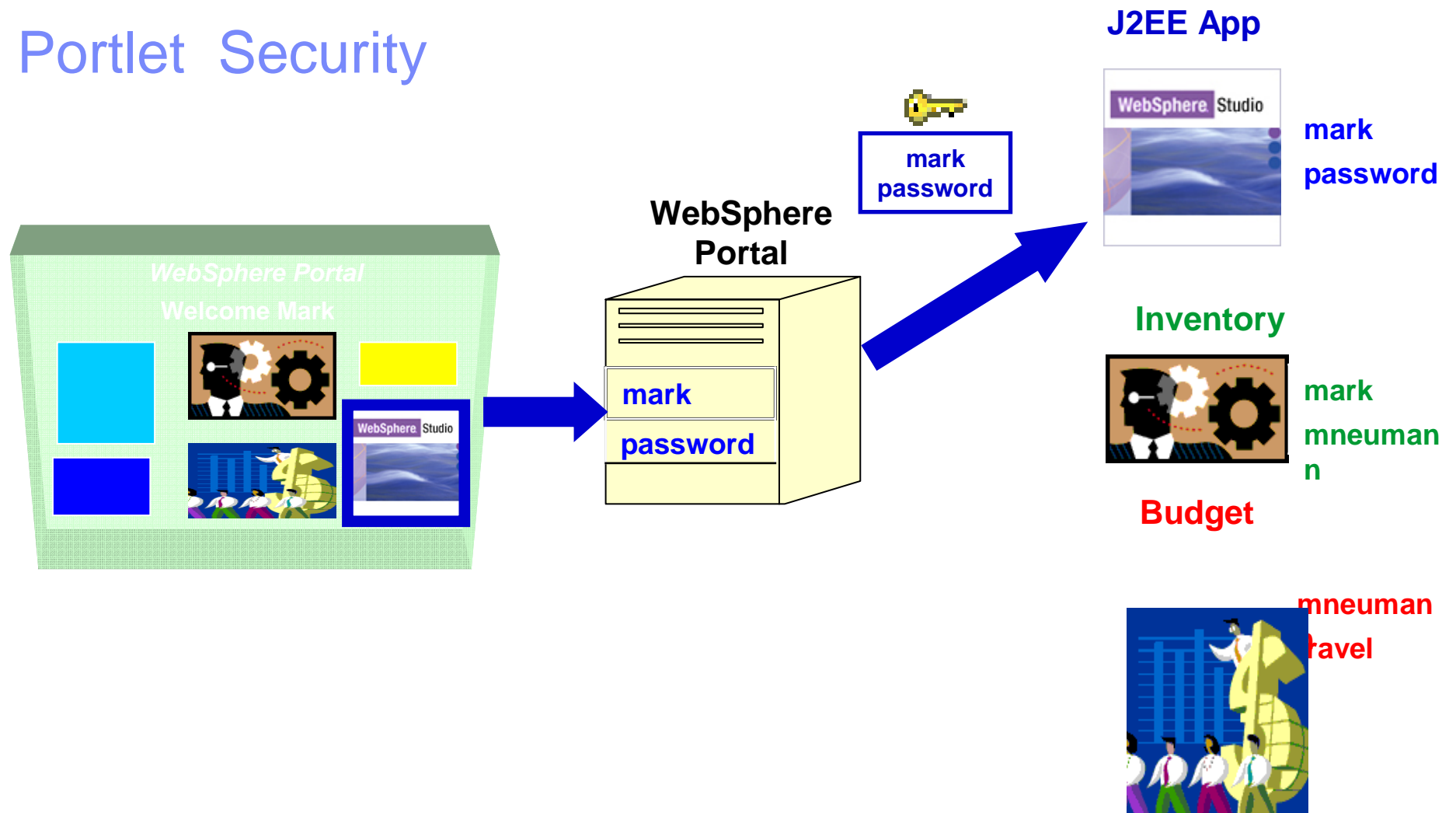


mneuman
travel

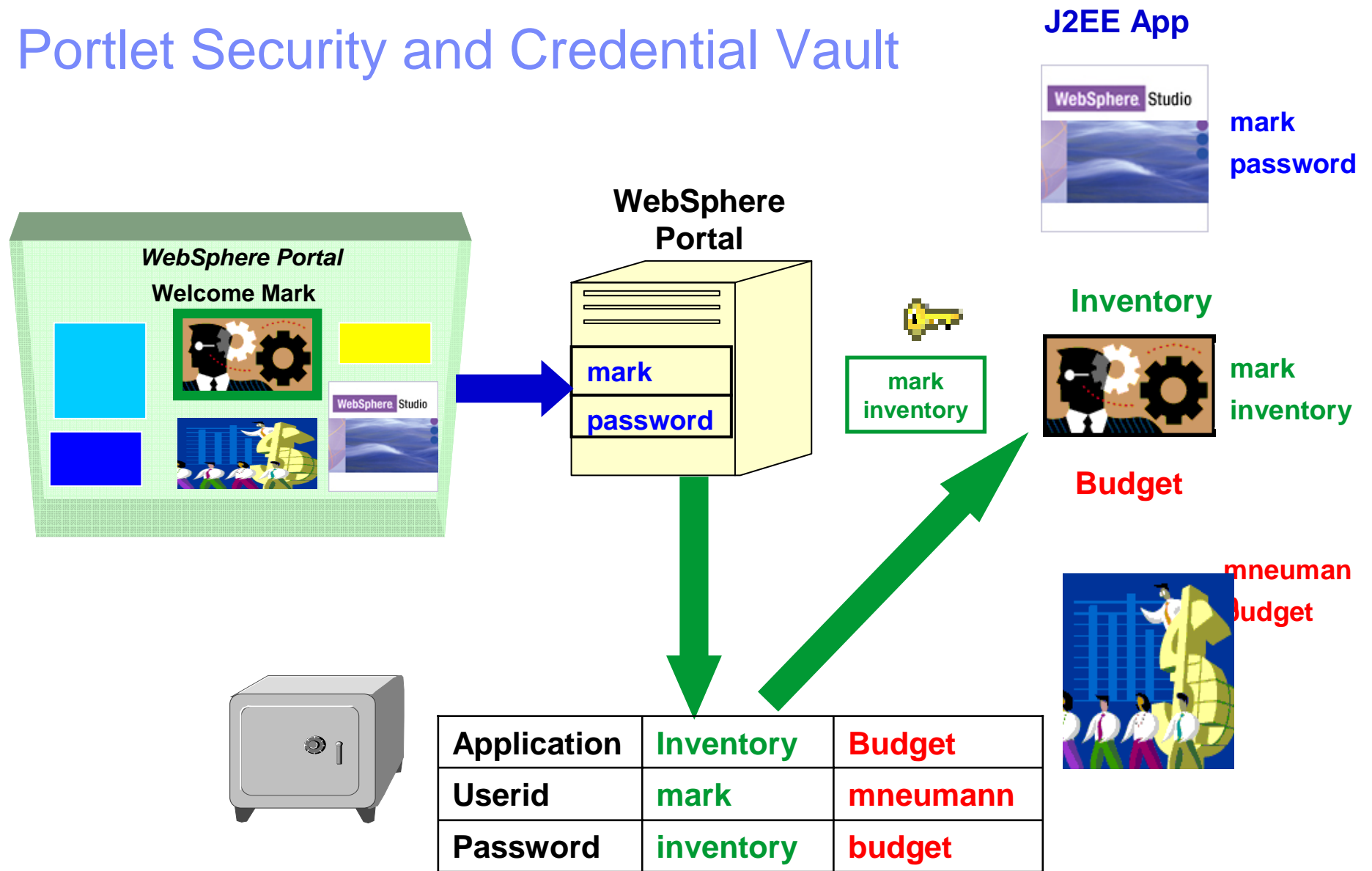
WebSphere Portal Security



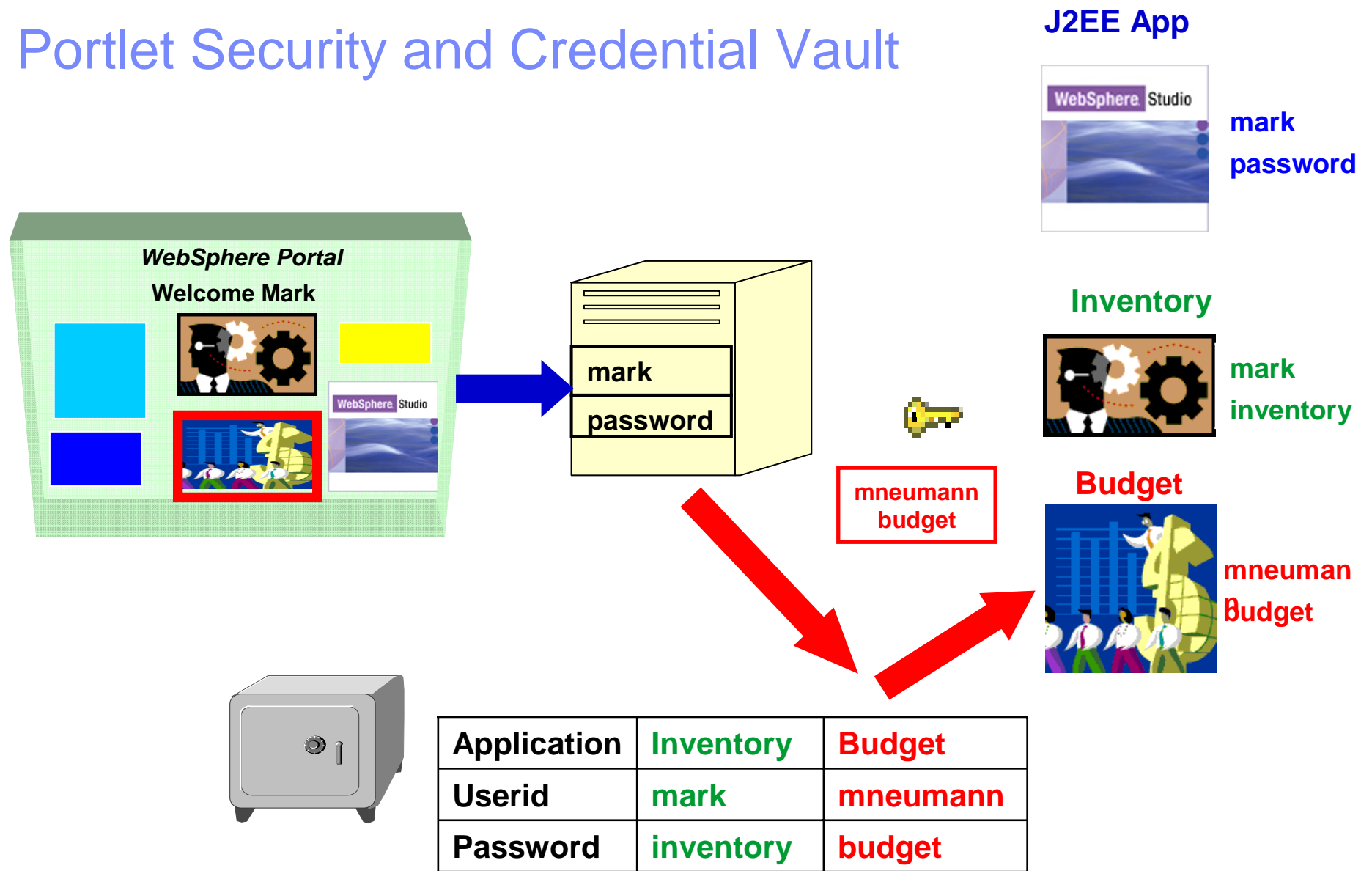
Portlet Security



Portlet Security and Credential Vault



Portlet Security and Credential Vault



HATS and Portal



Intro to WebSphere Host Access Transformation Services (HATS) V6

A screenshot of a Telnet session window titled "HodConn:localhost:localhost:server1:myhats3270.ear#1". The window displays a main menu for IBM HATS V6. At the top, there is a large graphic made of red and white characters. Below this, the text reads: "WELCOME TO IBM", "z/OS/VS/PROS", and "HELP DESK: 972-280-3966". Then, it shows "YOUR IP ADDRESS : 24.140.165.73" and "YOUR TELNET PORT: 01143". A dashed box contains the heading "APPLICATIONS AVAILABLE" followed by a table of application names. At the bottom, it says "SELECTION ==>" and shows a command prompt "HLS* ho" with the address "localhost:server1:myhats3270.ear#1" and the date "24/020".

```

HodConn:localhost:localhost:server1:myhats3270.ear#1
      DDDDDDD EEEEEEE MMMM MMMM 00000000
      DD  DD EE  MM MM MM MM 00  00
      DD  DD EE  MM M M MM 00  00  MMMM EEEE  TT
      DD  DD EEEEEEE MM MM MM 00  00  MM MM EE EE TTTTTT
      DD  DD EE  MM M MM 00  00  MM MM EEEEE  TT
      DD  DD EE  MM MM 00  00  MM MM EE  TT
      DDDDDDD EEEEEEE MM MM 00000000  MM MM EEEE  TT

      WELCOME TO IBM
      z/OS/VS/PROS
      HELP DESK: 972-280-3966

      YOUR IP ADDRESS : 24.140.165.73
      YOUR TELNET PORT: 01143

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

      SELECTION ==>
HLS*  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

On-Demand Client Mainframe - Tab - A

PROGRAM: PA05PID
TRANSID: PA05STAR AGENCY
MAIN MENU04/18/2003 13:47:08
TOAID: WG3DSDSOPTION 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

Instructions

Step-by-step:

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

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 100; 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).

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!



Policy Holder Lookup

Please enter the following information:

Policy Number *

Contract Number *

Account Number *

Search

Policy Holder Information

Policy Detail Page

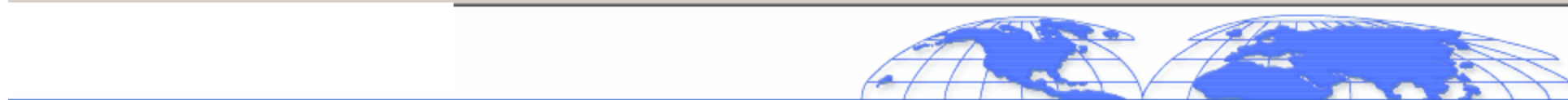
Policy Type	Effective Date	Total Value
-------------	----------------	-------------

Agency Lookup

Agent 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 * 34

Agent Number * 132

Account Number * 0

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 Value
	2003-01-01 00:00:00.0	

Agency Lookup

Agent 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

