

IBM SOA Technology Summit

Front End to SOA Collaboration & Interaction Services

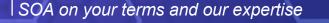
SOA on your terms and our expertise



© 2005 IBM Corporation



- SOA and User Experience
- Portal to deliver an Adaptive User Experience
- and to integrate with Processes
- Tools to create reusable Components for Composite Applications
- Workplace Services to provide advanced Productivity and Collaboration services
- Leveraging Domino Collaboration Infrastructure





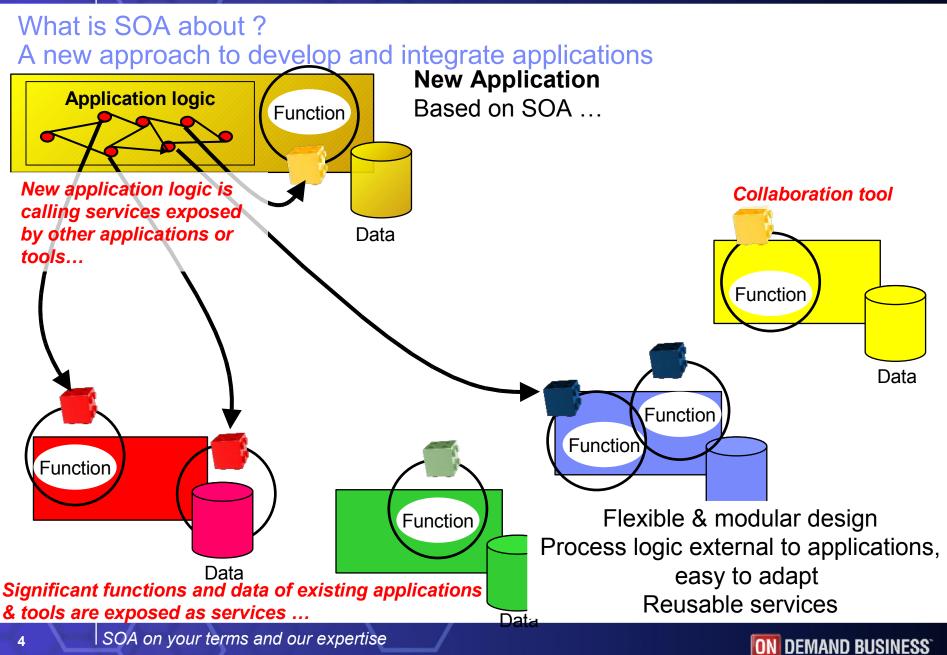


SOA and User Experience

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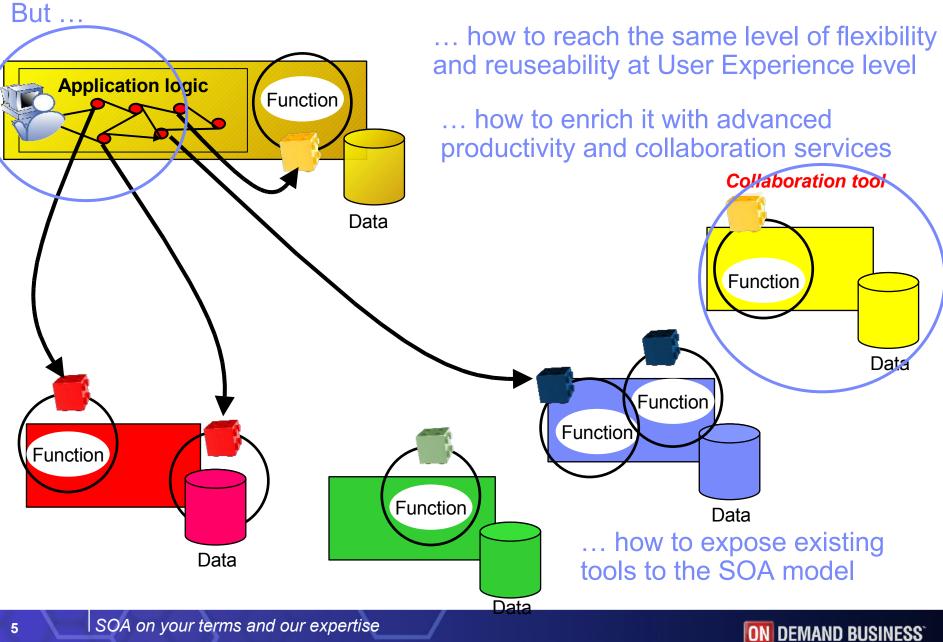






IBM SOA Technology Summit







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SOA and User Experience

Portal to deliver an Adaptive User Experience

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IBM Workplace Offerings for an SOA

Solutions IBM Workplace for....

SAP, Business Controls & Reporting, Procurement, HR Mgrs, Branch Bank, etc.

Products for Small Business and Departments

IBM Workplace Services Express

Lotus Domino Express

WebSphere Portal Express IBM Workplace Offerings

Tools & Technology Workplace Templates, Workplace Designer Workplace Client Technology

Lotus Domino Designer

Products for Enterprise

IBM Workplace Collaboration Services

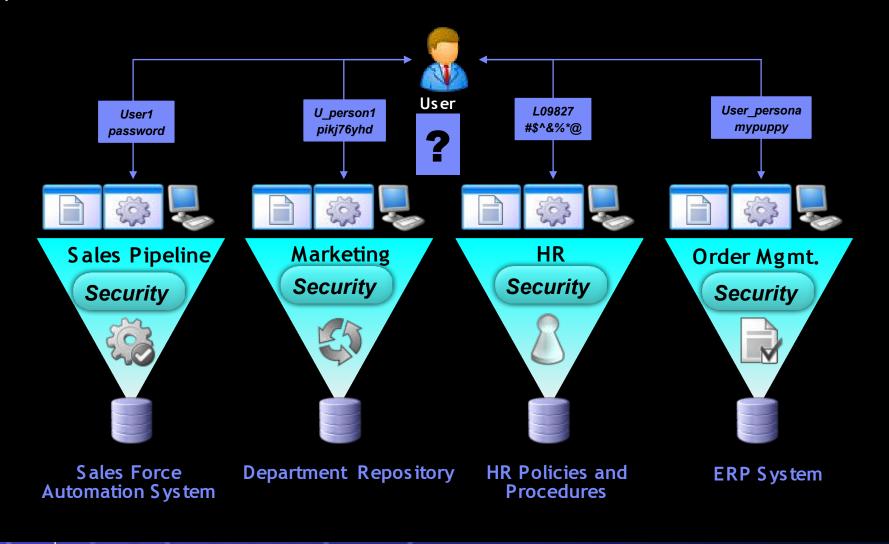
Lotus Notes & Domino

WebSphere Portal





The Usability Challenge Applications and information are delivered in silos



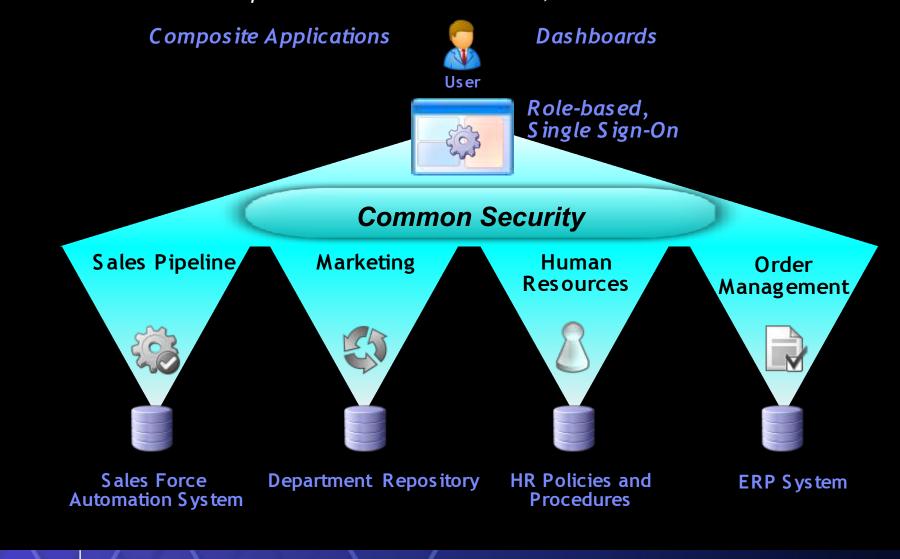


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The Answer to the Problem An environment that adapts to the needs of each user, in their role









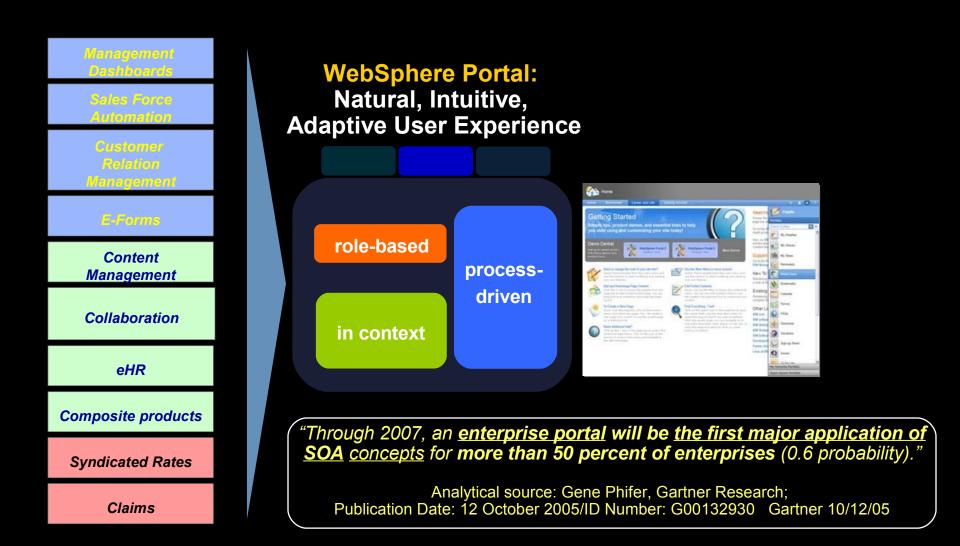
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🖃 Today Tuesday, February 22 (1 New)	Contact Info Recent Communication	Microsoft Powerpoint Pres 1,704 KB
6 Out of the office 3:43P Sean Ferrell	Image: Details Date Time Activity Bridgewater, NJ 08807 Image: Details Date Time Activity Image: Details Date Time Activity	Technical Taskorce Report Adobe Acrobat Document
If anybody else 2:50P Jacob Longfell		Adobe Acrobat Document
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ON DEMAND BUSINESS

Portal is a way to aggregate dynamic Workplaces





WebSphere Portal 6.0

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Welcome Getting Started Having Fun			
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Extend Portal to the Desktop Websphere Everyplace Deployment 6.1

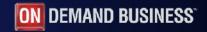
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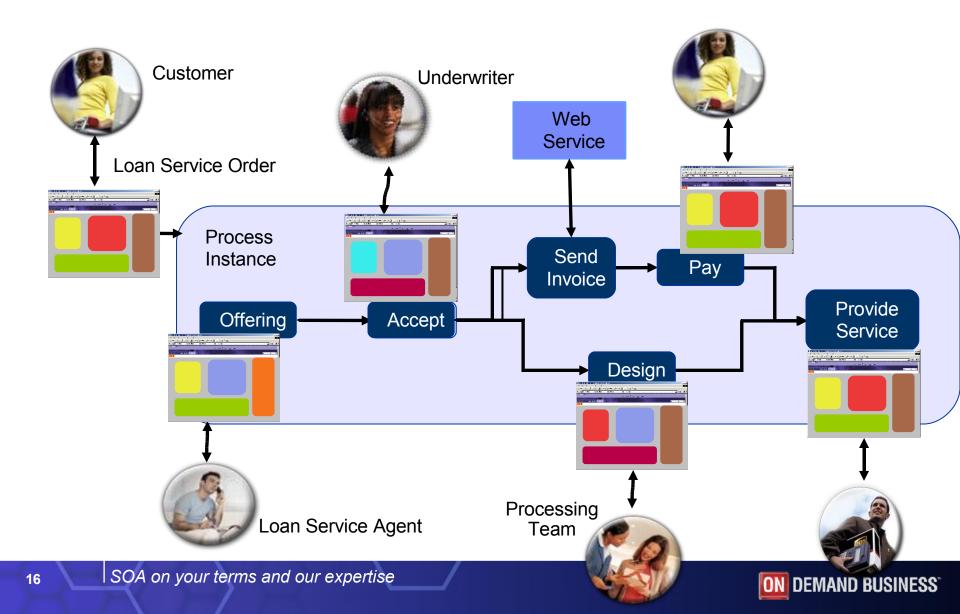




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Portal and Human Interaction in an orchestrated workflow



IBM

WebSphere Portal Workflow Builder

- Business User tool for simple workflows
 - Many processes handled via email today
 - Automate best practices or infrequent tasks
 - Example: Bringing new employee on board
- Workflow definition
 - Roles
 - Tasks
 - Actions
- Workflow Binder includes all related documents for a given workflow
- Utilizes BPEL engine
- Integrated into Portal Composite Application template model
- Business Value
 - Reduction of errors
 - Consistently better decisions

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IBM WebSphere Port...

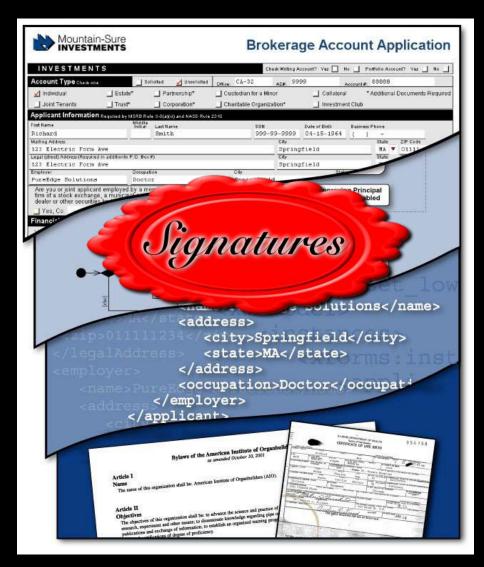
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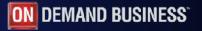
IBM Workplace Forms : an alternative to interact with processes



Treating forms as XML objects allows us to:

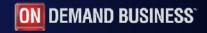
- Maintain presentation and logic with data
- Save a form and work offline
- *Route* a form using any available transport mechanism (e.g. workflow, web, email, FTP, etc.)
- Archive a form into a database or content management system
- Pre-fill a form with data and extract data from a form
- Sign and make a form tamperproof
- Integrate a form with other technologies (Notes/Domino, Portal, workflow, EAI, document/content management, etc.)

Parse the XML data at any appropriate time in the form's lifecycle





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1.30%

0.82%

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52 Week Range

Fundamentals

Open

Thursday, August 26, 2004 3:25:00 AM EST International Business Ma

One New Orchard Road Armonk, NY 10504 Phone:(914) 499-1900

Industry information

Industry	Computer Hardware
Sector:	Technology
Employees:	319,273
Market Cap (Mi):	142,508.41
Updated:	20040730

Business description

IBM provides customer solutions through the use of advanced information technology. These solutions include technologies, systems, products, services, software and financing. For the G months ended 6/30/04, revenues rose 5% to \$45,48. Net income from cont. ops. rose 15% to \$3,598. Results reflect higher revenues from all industry sectors except Global Financing across all geographies due to the growth in demand and new applications.

Key ratios			
	Indust.	Induist.	Sector
P/E Ratio(TTM)	18.28	24.99	29.11
P/E High - Last 5 Yrs	33.50	54,33	63.08
P/E Low - Lest 5 Yrs	16.23	17.36	18.51

Officers & inquiries

Officers: Samuel J. Palmisano, Chron./Pres./CEO, John R. Joyce. OFO/Sr. VP, Daniel E. O'Donnell, VP/Secy., Jesse J. Greene Jr., VP/Treas.

Transfer Agent: First Chicago Trust Company of NY. Company incorporated 1911 in NY. Direct inquiries to: Stockholder Relations.

Competitors

- Sun Nicrosystema Inc.
- Hewlett-Packard Co.
- Dell Computer Corp.
- Oracle Corporation.
- Microsoft Corp

UN DEMAND BUSINESS

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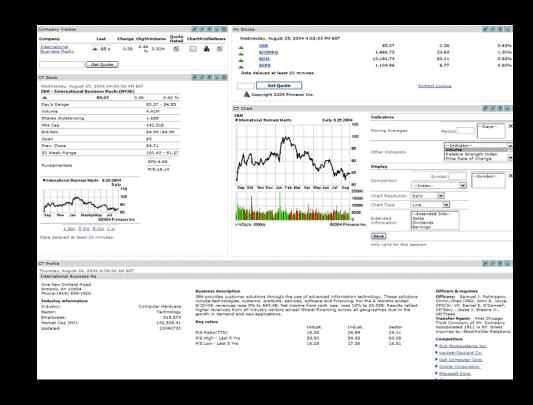
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Portal as platform for Composite Applications

Build and deploy composite applications using portal services

New Concepts: Portlet Factory Templates Application Context Membership / Community Application Roles



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Reusable Design Components

Reusable components (Builders) capture dashboard design patterns, speeding creation of custom portlets.

Status	Office	Office Manager	Actual	<u>Plan</u>	Difference	% of Plan
•	<u>Miami</u>	Marcus San Antonio	\$210,060	\$220,000	-\$9,940	95.48
0	<u>Dallas</u>	Jane Johannsen	\$269,522	\$354,000	-\$84,478	76.14
0	Atlanta	Helena Krack	\$133,773	\$177,000	-\$43,227	75.58
•	Houston	Robert Roland	\$211,939	\$129,000	\$217,061	19.1
= Exce	llent (Above 90.0	%) 💛 = On Track (Be	etween 70.0) - 90.0%)	= Warning ((Below 70.0%

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Boston Industries HR Connection	26,434	5	Y	40	221		
Corp Network Upgrades	30,000	5	N	49	149		
Intech PR Project	28,434	5	Y.	40	175		
MachineTec Install	18,300	5	Y	39	158		
MachineTec Upgrades	48,300	5	Y	39	158		
P.A. Network Center	43,000	5	Ν.	29	145		
T&T Server Upgrades	13,500	5	¥.	38	158		
Williams and Company HR Pliot	38,434	-5	Y	29	205		
9 Opportunities	273,702	-	7 of 9	37	170		
< Back to Chart			Red = opports	nties at stage o	ver 30 days		

Opportunity Name	Ren	Amount	Stage	Committed	Initiated	Forecast Date
T&T Support Contract	Fred Carrier	\$35,500	1	N	12/01/04	00/01/05
AlcaTec server upgrades	Fred Carrier	\$25,500	2	N	09/01/04	03/31/05
AlcaTec.com Next Rev	Fred Carrier	\$25,COO	1	N	10/01/04	05/31/05
AlcaTec services contract	Ered Carrier	\$19,COO	3	N	10/01/04	03/31/05
TOT New Architecture	Fred Carrier	\$15,000	2	N	10/01/04	00/01/05
T&T Server Upgrades	Fred Carrier	\$13,500	5	Y	09/01/04	12/01/04



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Region	Office		Rep	
Southeast US 🛛 🔽	Houston	~	Fred Carrier	~

	2003	2004	Change
YTD Operating Profit	32,202	31,942	-0,81%
YTD ROE	24,94%	23.97%	-3,89%
YTD Sales	1,120,783	1,220,060	8,86%
YTD Gross Margin	258,927	282,078	8.94%
YTD Loss Absorption	14.10%	20.40%	44.68%
Average Company Size	2,700	2,870	6,30%



Workplace Forms Designer

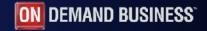
- Workplace Forms provides the forms front end to SOA-based component applications
- Dynamic, data-driven forms viewer provides a customized user interface
- Role-based forms integrate with workflows by maintaining persistent data, business rules and information within the form







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IBM SOA Technology Summit

Contextual Collaboration

Combine access to Application, Document and People

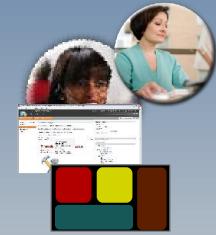
Scenario:

The interaction between Sue and Kate serves as the seed for a new product idea



Web Based Interaction
Responsiveness to customers

Kate shares the idea with Maria – the Director of R&D



Change role – change interface
Access applications and people in context

Maria launches processes and interactions using her role-based environment



- Initiate document-centric processes
- Collect and analyze information
- Use e-mail & call exploratory meetings
- Web conferences to share and communicate
- Access experts in real-time





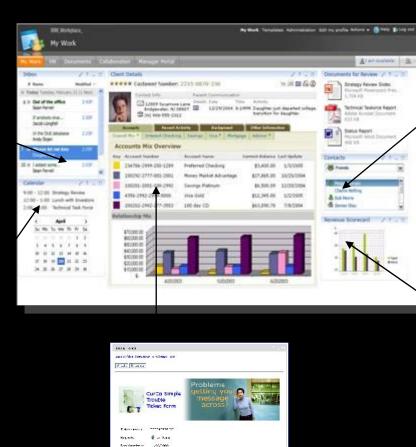
Collaboration Services

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Discussion Component



Lotus Domino app





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Enterprise Content



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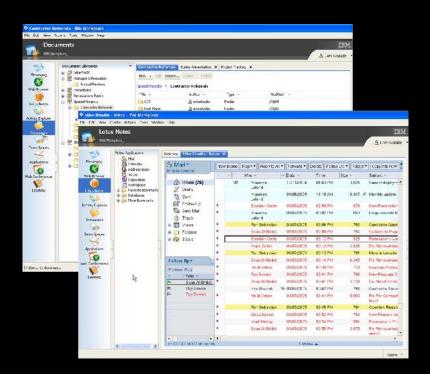
SOA on your terms and our expertise





Workplace Collaboration Services 2.6

- Single, consistent, unified interface
- Activity centric experience, based on role
- Activity Explorer New mode of collaboration
- Entirely managed at admin level
- Policy based provisioning
- Standards based







Workplace Designer

Building role-based composite views delivered for contextual collaboration

- Rapidly build, test and deploy open, security-rich components for IBM Workplace applications
- Provides platform flexibility using a service-oriented architecture with open standards, such as XML, J2EE and JavaScript

Intuitive tool

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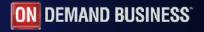


Workplace Managed Client 2.6

Rich client-based portal experience

- Comprehensive, approachable interface
- Built in rich document management
- Rich set of embedded productivity tools
- Interoperable with Lotus Notes/Domino application
- Centralized deployment no deskside visits
- Updates are automatic
- Entirely managed at admin level
- Policy based provisioning
- Standards based
- Choice of platforms and clients/devices





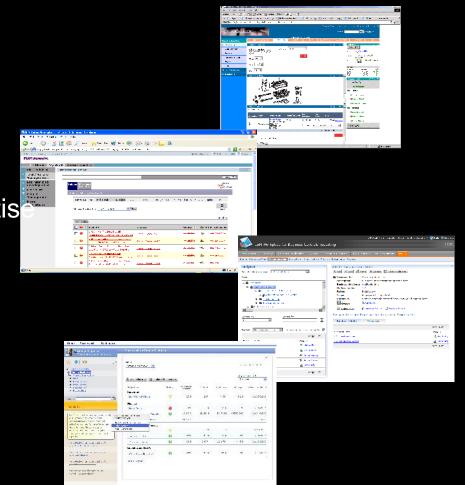


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Workplace Solutions

Simply a better way to experience the benefits of role-based work environments

- Integrate collaboration into business process
- Maintain user focus
- Expand peripheral vision
- Leverage industry and process expertis
- Built on IBM Workplace products
- Integrated with system management portfolio & tools
- Leverage WebSphere Portal portlets available from Portal catalog and partners



www.ibm.com/software//wo



- SOA and User Experience
- Portal to deliver an Adaptive User Experience
- ... and to integrate with Processes
- Tools to create reusable Components for Composite Applications
- Workplace Services to provide advanced Productivity and Collaboration services
- Contraction Collaboration Infrastructure

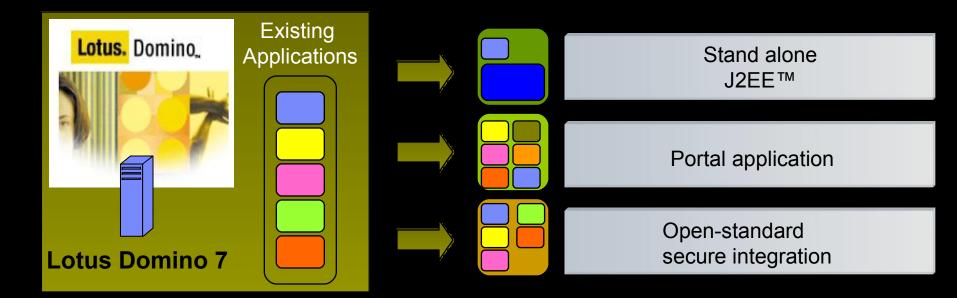




Role and Value of Lotus Notes and Domino

Web Services hosting of Lotus Domino applications

- Web services extend the reach of Lotus Domino applications by providing a standards based interface for external applications
- Leverage IBM Lotus Notes/Domino applications and build innovative applications using existing skills
- Extend IBM Lotus Notes/Domino applications into SOA initiatives





Role and Value of Lotus Notes and Domino

Lotus Domino Designer

- New NSF design element supports Web Service
 - Extends Web Agent behavior
 - LotusScript or Java
 - WSDL Import & Export

Portlet Builder for Lotus Domino

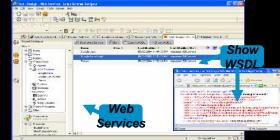
A porlet to build Lotus Domino porlets

Simple Web interface to create portlets that

access / manipulate data in Lotus Domino

- No end user programming required
- Views and documents
- Basic create, edit, delete operations

Lotus Domino Designer



ortlet Builder for Domino

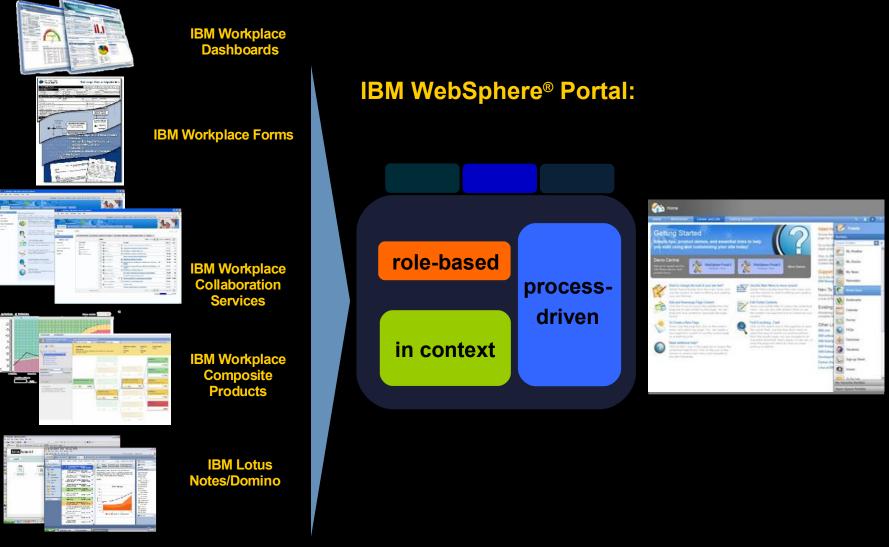


Welcome to the Portlet Builder for Domino

This portlet enables you to create portlets that work with business objects from enterprise application systems contain numerous business objects and data. This portlet will assist you in creating portlet users with tools to work with and manipulate the data contained within your enterprise system. Busine enterprise system include data such as employee information, employee records, employee perform personal information. You may use this portlet to quickly and easily create applications within portlet these business objects. Each business object contains multiple levels of information. You must first business object, then choose the information you want contained by the portlet you are creating, and layout for your portlet. To get started, click the configure icon above. Then, you can begin creating p

Getting started: 1. Click the configure icon 2. Create a portlet

Bringing Together Key Elements to the Front-End



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