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## WebSphere Portal Collaboration

*WebSphere Portal Server v5.1*

Lotus software



ON DEMAND BUSINESS™

## IBM Proof of Technology

IBM Product Introduction + Exploration

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## Session Objectives

- After completing this session, you should be able to:
  - ▶ Understand the Lotus Products that can be used with Portal
  - ▶ Understand the Lotus Collaborative Component
  - ▶ Understand the Lotus Collaboration Center
  - ▶ Use the Lotus Collaboration Center and Lotus Collaborative Portlets

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2

## Agenda

- Lotus Collaborative Products for Portal Server
- Collaborative Components
- Developing Collaborative Portlets
- Collaboration Center
- Directory Integration
- Summary and Questions

## Lotus Collaborative Products for Portal Server

Available with Portal Server Extend version

Lotus Domino

Lotus Instant Messaging

Lotus Team WorkPlace

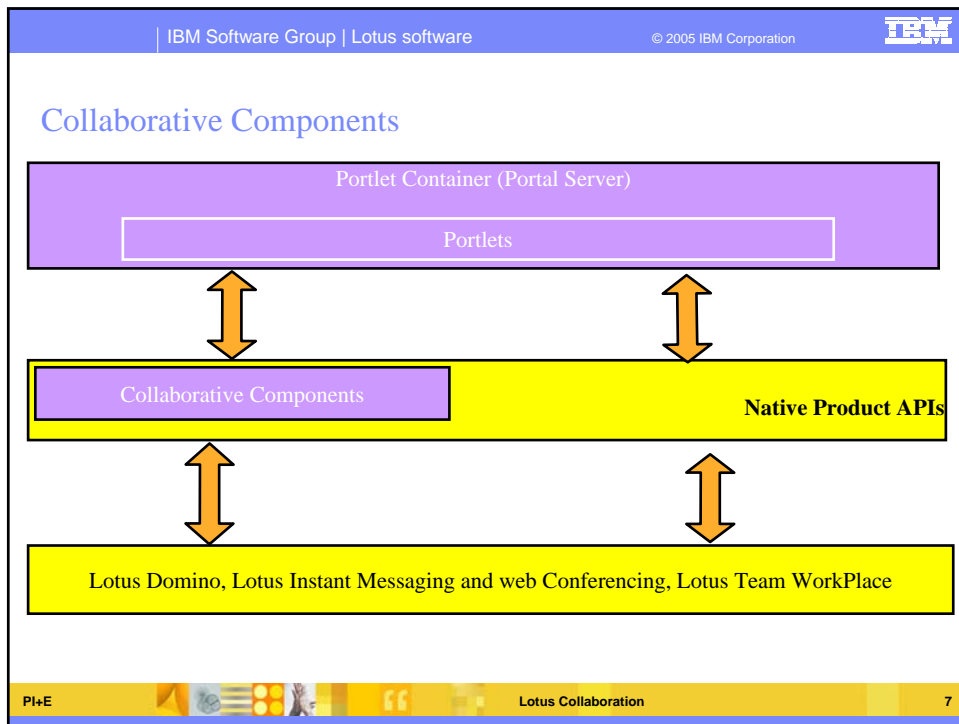
IBM Extended Search

## Lotus Collaborative Products for Portal Server

- Domino
  - Integrated messaging
  - Collaborative Web Application Server Software
- Lotus Instant Messaging ( Web Conferencing)
  - Secure Instant Messaging
  - Web Conferencing for Business
  - Application Sharing
  - People Awareness
- Lotus Team WorkPlace
  - Instant team workplace software for the web
  - Enabling collaboration within and beyond the enterprise
- IBM Lotus Extended Search
  - New links to Portal Search Engine

## What are Collaborative Components?

- Building blocks
  - Java APIs
  - JSP tag libraries
- A set of methods that expose collaboration function to portlet developers
- Designed to integrate the functionality of Lotus Software products into Portal Server
  - Domino
  - Lotus Team WorkPlace
  - Lotus Instant Messaging and Team Conferencing
- LCC uses product APIs underneath, provide access to API objects
  - Not a replacement to individual product APIs
  - If you need fine-grained access to application data and functionality, use the core product APIs (Domino Java API, LDS API, etc.)



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### Overview: Collaborative Components

- 3 "infrastructure" Objects
  - CSEnvironment
  - CSCredentials
  - CSFactory
- 4 top Level Service Objects, all extend our **CSBaseService** interface:
  - DominoService
  - QPService
  - PeopleService
  - SametimeService

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## Tag language descriptors for custom tags

- PeopleService tags: Generate context sensitive menus and Sametime awareness for names found in the LDAP directory
  - person
  - peopleinit
  - peopleend
- Menu tags: Allow developers to add pop-up menus to their Collaborative Components applications.
  - menuinit
  - menucontext
  - menu
  - menuitem
  - menudisplay

## People Service

- Use to add online awareness to a person's name
- Easy to use JSP tag library
- Uses STlinks toolkit
- Uses the Menu service to create menu items for chat, e-mail, search, profiles
- 2 tags:
  - <sametime:init/>
    - used to log the user into Sametime server and set up the connection
  - <sametime:person>Name</sametime:person>
    - used to create the awareness link on the name

## Portlet Example - How to add awareness to any portlet

Include in your JSP:

```
<%@ page language="java" import="com.lotus.cs.*,java.util.*"%>
<%@ taglib uri="/WEB-INF/tld/people.tld" prefix="sametime" %>
```

then use the <person> tag as in the example:

```
<sametime:peopleInit/>
<% for(int i = 0; i < numNames; i++){%>
<sametime:person><%=names[i]%></sametime:person>
<%}%>
```

ID	DATE_CREATED	CREATEDBY	PROBLEM	ASSIGNED TO	STATUS
101001	2004-11-01	Portal Trans09	can not enable Portal Security	Portal Trans01	Closed
101002	2004-06-01	Portal Trans15	World Clock portlet not via WebCenter Page	Portal Trans02	Open
101003	2005-01-01	Portal Trans26	Employee do not have Edit Access to Stocks Portlet	IT Archiback	Open
101004	2005-01-15	Portal Trans01	IT groups can not view IT Label	555 0876	Open
101005	2004-12-12	Portal Trans25	PMR portlet not returning correct results	I am Active	Open
101006	2004-01-28	Portal Trans35	can not login to Portal Server	Start Chat...	Open
101007	2004-12-16	Portal Trans40	Incorrect content in PGM Portal Portal	Send E-mail...	Open
101008	2004-09-01	Portal Trans19	People Awareness not working in Portal	Add to Instant Contacts...	Open
101009	2004-10-30	Portal Trans05	News Portlet not showing correct days news	Show Person Record...	Open
101010	2003-07-19	Portal Trans16	Themes are not correct in Portal	Show in Organization View	Open

## What is Collaboration Center?

- A collaborative portal application that provides
  - on-line company directory with awareness and instant messaging built-in
  - integrated collaboration tools for managing on-line meetings and instant team workplaces.
- WebSphere Portal v5.1 Extend
  - + People Finder portlet application
  - + Web Conferencing productivity portlet
  - + My Team Workplaces productivity portlet
  - + Integration via Click to Action

## Collaboration Center

**Welcome to the Lotus Collaboration Center**

The Lotus Collaboration Center 5.1 provides a model for collaboration using portlet applications for Domino, Lotus Team Workplaces (formerly QuickPlace), Lotus Instant Messaging and Web Conferencing (formerly Sametime), Domino Document Manager (formerly Domino.Doc) and Lotus Workflow. The Lotus Collaboration Center offers a bridge between J2EE and open standards and Domino by providing the means to connect to your Domino infrastructure using a web browser and the WebSphere Portal server.

Both new and updated applications are provided. These applications include standard Notes and Domino features such as e-mail, calendar and scheduling, discussion, teamrooms, and to-dos, as well as the Notes View (Notes and Domino) application, that lets you work with the documents from any view of any Domino database. As with all portal solutions, the Collaboration Center is easily customizable.

The applications, based on the Domino Extended products for 6.5.x, let you conduct Web conferences, manage documents, see a list of your Team Workplaces, and find people in your company directory. All versions of our Domino and Extended Products are now synchronized -- meaning, starting with 6.5.1, all version 6.5.x products support each other -- helping to streamline your upgrade strategy. Both the IBM and Lotus Web sites provide documentation that helps you plan for a portal-Domino environment and gets you started learning how to install and configure all the components, using simplified procedures tailored to a pilot situation. In addition to the WebSphere Portal 5.1 Information center, look for the [Lotus Domino and Extended Products 6.5.1 Integration Guide](#) at the [IBM Lotus Documentation Library](#). Also see the [WebSphere Portal Zone](#).

The Lotus Team

## Collaboration Center (Cntd...)

## Collaboration Center (Cntd...)

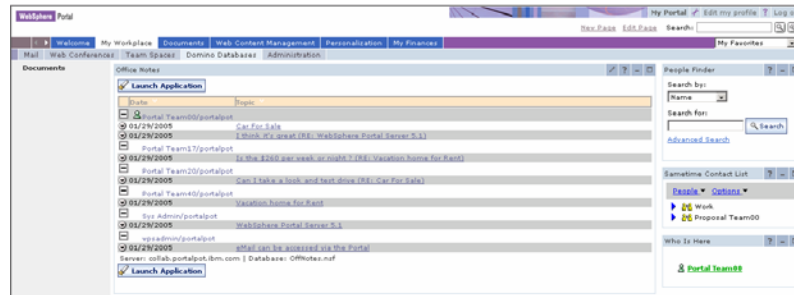
The screenshot shows the 'New Meeting' page in the Lotus Collaboration Center. The page has a top navigation bar with links like 'Welcome', 'My Workplace', 'Documents', 'Web Content Management', 'Personalization', and 'My Favorites'. Below this is a sub-navigation bar with 'Mail', 'Web Conferencing', 'Team Spaces', 'Domino Databases', and 'Administration'. The main content area is titled 'Lotus Web Conferencing' and contains a 'New Meeting' section. This section has a 'Find a meeting that is:' dropdown menu with options 'In Progress' and 'Show All'. Below this is a 'Search by meeting name or moderator:' field with a 'Go' button. A note states: 'For an unlisted meeting, enter the entire meeting name.' On the right side, there is a 'People Finder' section with a 'Search by:' dropdown (set to 'Name') and a 'Search for:' input field. Below this is an 'Advanced Search' link. Further down is a 'Someone Contact List' section with a 'Details' dropdown and a list of contacts including 'Work' and 'Proposal Team00'. At the bottom right is a 'Who Is Here' section showing 'Portal Team00'.

## Collaboration Center (Cntd...)

The screenshot shows the 'My Workplace' page in the Lotus Collaboration Center. The page has the same top navigation bar as the previous slide. The sub-navigation bar is the same. The main content area is titled 'My Workplace' and contains a 'Refresh' button. Below this is a 'Search my workplaces:' field with a 'Go' button. Below the search field is an 'Advanced Search' link. Below this is a table titled 'My Workplaces' with columns 'Title' and 'Last Modified'. The table contains one entry: 'Portal Team Workplace' with a last modified date of '04/26/2005'. On the right side, there is a 'People Finder' section with a 'Search by:' dropdown (set to 'Name') and a 'Search for:' input field. Below this is an 'Advanced Search' link. Further down is a 'Someone Contact List' section with a 'Details' dropdown and a list of contacts including 'Work' and 'Proposal Team00'. At the bottom right is a 'Who Is Here' section showing 'Portal Team00'.

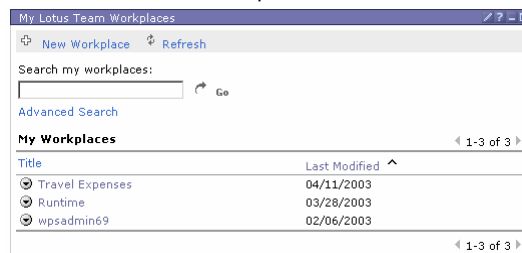


## Collaboration Center (Cntd...)



## My Team Workplaces Portlet

- Goal: Integrate Lotus Team WorkPlace into the portal in a seamless manner
- Displays a list of Team Workplaces the user is a member of
- Shows detailed views about specific Team Workplaces
- Allows cross-Team Workplace Search
- Integrated People Awareness
- Create new Team WorkPlace from portal



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## My Team Workplaces and Portal Views

**Lotus QuickPlace...**

■ wpsadmin | Sign Out

Welcome

My Places

Create a Place:

PlaceTypes

Server...

**My Places**

Title	Last Modified	Size
Travel Expenses	04/11/03	3MB
Runtime	03/28/03	7MB
wpsadmin69	02/06/03	3MB

**My Lotus Team Workplaces**

[New Workplace](#) [Refresh](#)

Search my workplaces:  [Go](#)

[Advanced Search](#)

**My Workplaces** 1-3 of 3

Title	Last Modified
Travel Expenses	04/11/2003
Runtime	03/28/2003
wpsadmin69	02/06/2003

1-3 of 3

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19

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## My Team Workplaces and Portal Views

**Market Metrics Team**

Roy Bowen | Sign Out

Welcome

Discussion

Library

Calendar

Tasks

Index

Members

Search

What's New

Work Offline

My Places

Help

**What's New** [Notify](#) [Print](#)

**Weekly News - Wednesday, 01/08/2003** | Daily News

Last updated: 01/08/2003 01:00 AM | [Update Now](#) [QuickBrowse](#)

**New pages in Home room:**

- **Due 01/03/2003: New products need the new logos** (New task by Heidi Votaw, 01/03/2003, 07:31 PM)
- **Due 01/03/2003: Post data by Product** (New task by Heidi Votaw, 01/03/2003, 07:30 PM)

**Tasks Due**

- **New products need the new logos** (Unassigned, due 01/03/2003)
- **Post data by Product** (Unassigned, due 01/03/2003)

**My QuickPlaces**

View | [Advanced Search](#) | [New](#)

Search This QuickPlace  [Go](#)

team1 > Details > [What's New - Weekly](#) [Close Details](#)

Last Updated: 12/03/2002  
Last Accessed: 12/08/2002

Title	Page Type	Author	Last Updated
New products need the new logos	Task	■ <b>Heidi Votaw</b>	01/03/2003
Post data by Product	Task	■ <b>Heidi Votaw</b>	01/03/2003
Marketing By Product	Page	■ <b>Heidi Votaw</b>	01/03/2003
By Product	Page	• Chris Crumme	01/03/2003
Re: Marketing Data	Page	• Chris Crumme	01/03/2003
These are the spreadsheets from New York	Page	• Chris Crumme	01/03/2003
Marketing Data	Page	• Rich Bernardo	01/03/2003
New Sales data	Page	• Rich Bernardo	01/03/2003

1-8 of 8 [Refresh](#)

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20

## Web Conferencing Portlet

- Goal: Integrate Lotus Instant Messaging and Web Conferencing e-Meetings capability into the portal in a seamless manner
- Displays list of scheduled or active meetings
- View meeting details in the portal
- Create new e-Meeting from portal
- Integrated People Awareness

## Lotus Web Conferencing and Portlet Relationship

**Lotus Sametime Meeting Center** Mon, 1/6/2003 9:45 AM [Log on to Sametime](#)

[New Meeting](#)

**Scheduled Meetings**

Date	Meeting	Moderator	Status
1/6/2003	12:00 PM Customer Meeting	Chris Crummey/lotus	Scheduled
	2:45 PM Sales Review	Chris Crummey/lotus	Scheduled

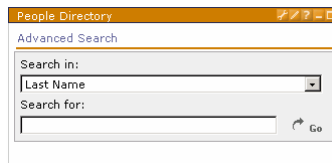
**Meetings in Progress** [Clear](#) < 6-10 of 13 >

Date/Time	Meeting Name	Moderator
01/27/03		
02:45 pm	Diversity Refresher	Barbara Davis
03:00 pm	CCard Check-in	John Waters
03:00 pm	Next Gen Mtg	Brenda Churchill
03:00 pm	QA Planning	Cathy Robins
03:15 pm	New Brunswick Team	Chris Dale

Times shown use your computer's settings. [Clear](#) < 6-10 of 13 >

## People Finder Portlet

- Goal: Provide “killer” directory search application for portal
- Search for users in corporate LDAP
- Facilitate finding people based on areas of expertise, background, etc.
- Multiple views of the information – more on this later ...
- Out of the box schema supported - inetOrgPerson
- Customizable queries and user interfaces
- Integrated People Awareness



## Multiple Views are Available – Out of the Box

- Quick search
- Quick search results
- Business card results
- Advanced Search
- Advanced Search results list
- Person Record View
- Organization View



## People Finder - Quick Search Views

**People Directory**

Advanced Search

Search in: Last Name

Search for: [Go]

**People Directory**

Advanced Search

Search in: Last Name

Search for: b\* [Go]

Hide Summaries | Clear

Name	Office Telephone
<b>Pamela Barker</b>	671-555-1212
Markets Cambridge, MA PamelaBarker@lotus.com	
<b>Roy Bowen</b>	617-555-1234
Market Guru Cambridge, MA RoyBowen@lotus.com	
<b>Rich Bernardo</b>	617-555-2212
Director Cambridge RichBernar	

**Business Card View**

People Directory

Advanced Search

Search in: Last Name

Search for: b\* [Go]

Hide Summaries | Clear

Chat  
Send E-mail  
Show Profile  
Find Documents Authored By  
Add to Sametime List...  
**Show Person Record**  
Show in Organization View

## For Portlet Developers

- Integration via Click-to-Action
  - ▶ People Finder “publishes” actions such as Display Profile, Display Query Results
  - ▶ Portlets can add actions to show relevant data in People Finder
  - ▶ Example: Workflow portlet can have action to show profile for a job or activity owner in the People Finder portlet on the same page
- JSP Tag Library
  - ▶ Allows further customization of each of the People Finder views

## References and More Information

- WebSphere Portal and Lotus Workplace Catalog
  - ▶ <http://catalog.lotus.com/wps/portal/portalworkplace>
- Portal Developer Zone
  - ▶ <http://www.ibm.com/websphere/portal/developer>
- WebSphere Portal Home
  - ▶ <http://www.ibm.com/websphere/portal>
- Lotus Developer Domain
  - ▶ <http://www.lotus.com/ldd>

## Summary and Final Questions

- Collaborative Components
  - People Service
  - Domino Service
  - Menu Services
  - Quick Place Services
- Collaboration Center
  - Team Workplaces
  - Web Conferencing
  - People Finder
- Programmatic customization available via APIs
- Adds the plug and play collaborative capabilities to WP
- Questions?

## Lab 2.1 - Collaboration Center Lab Overview



1. Construct a team using People Finder
  - Sales
  - HR
  - IT Specialist
2. Host a team meeting using Web Conferencing
3. Explore a Team Workplace