



Lotus Symposium 2003

IBM portálové řešení

„on-Demand Workplaces“ - Lotus Collaboration

A02



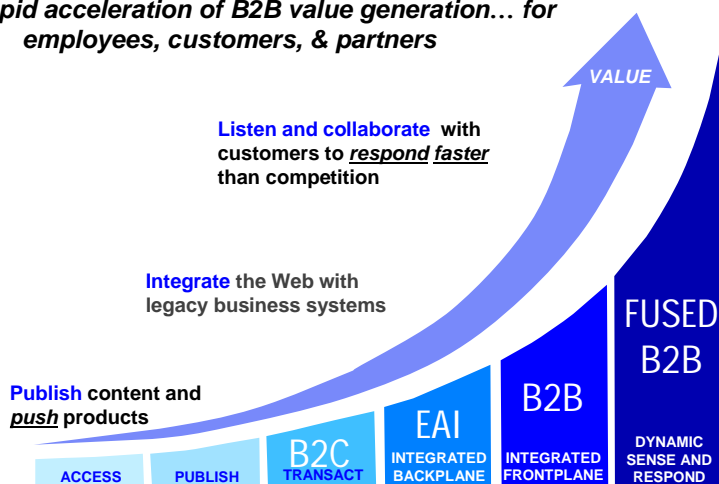
David Enc  
Lotus Sales Specialist

Lotus Symposium 2003

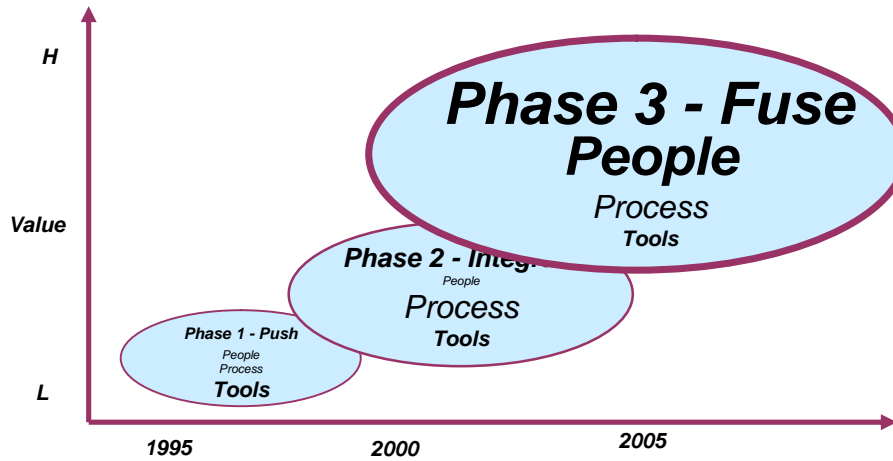


### on demand Workplaces:

... a rapid acceleration of B2B value generation... for employees, customers, & partners



Information systems enable people only when they align with the behavior of people.

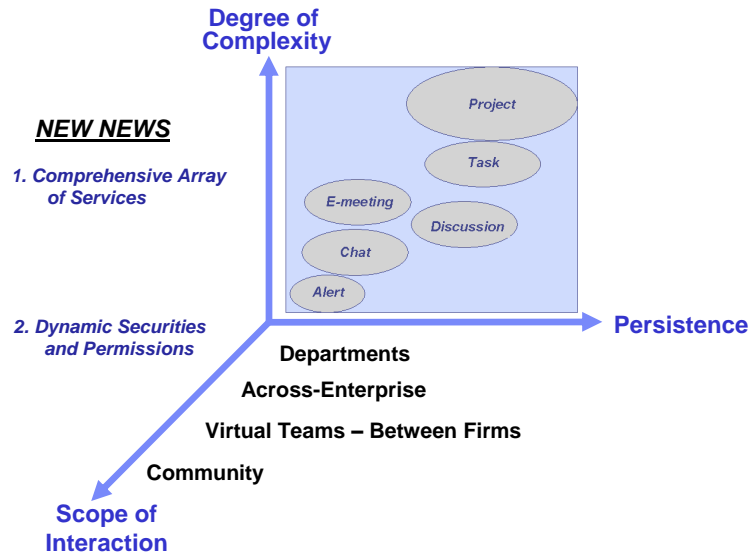


Tools to Support

Rapid Response to Market Impulse

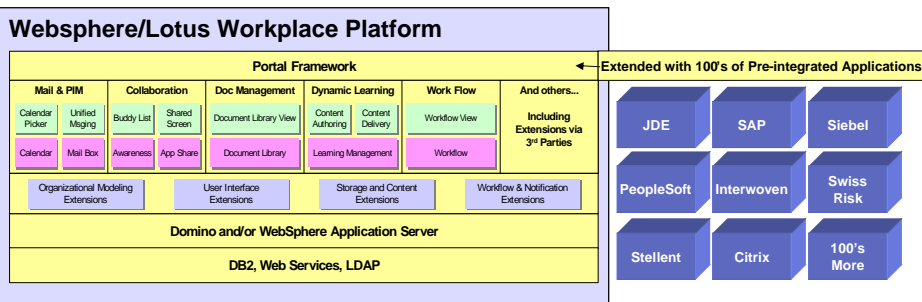


## Virtual workplaces must adapt to the nature of the work.



## Workplaces

Tools for end users and developers to easily integrate collaborative components into business process solutions.



## Levels of Portal Collaboration

### § Collaboration

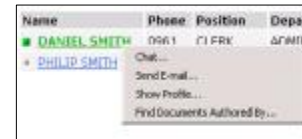
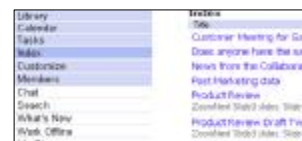
- 4 Access e-mail
- 4 Discussion threads

### § Advanced Collaboration

- 4 People awareness
- 4 Instant message
- 4 eMeetings
- 4 Team WorkSpaces – Projects

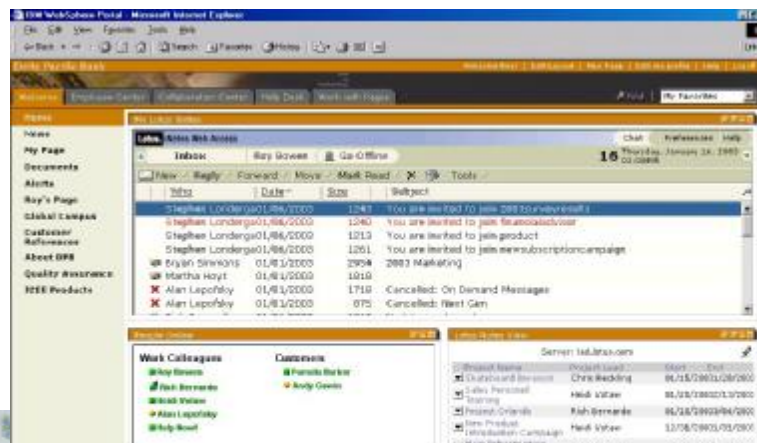
### § Contextual Collaboration

- 4 Weaving collaboration into the fabric of the portal
- 4 Can't tell where one starts and the other finishes
- 4 Lotus Collaborative Components & Click 2 Action
- 4 **NEW! Collaboration Center features**



## Lotus Collaboration and Messaging

- Access e-mail (iNotes Web Access)
- Discussion threads, TeamRooms
- Access to Domino Apps !!!



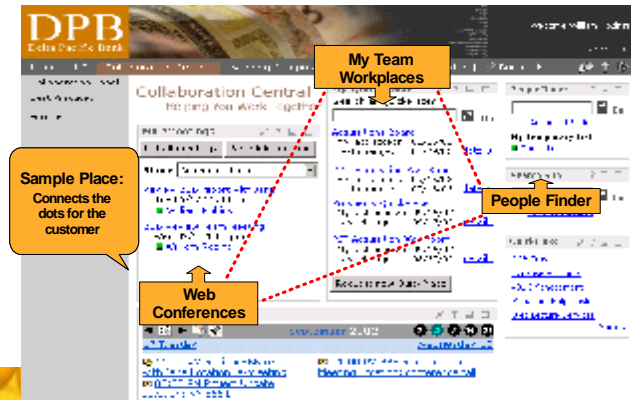
## Lotus Advanced Collaboration (Sametime)

- § Based Concepts:
  - 4 **Awareness**  
People to People / App to People / App to App
  - 4 **Instant Messaging**  
From Contact List, Web Page, App, or Event
  - 4 **Web Conferences**  
eMeetings / Whiteboarding / Application Share



## Contextual Collaboration = Lotus Collaboration Center

- People Finder portlets
- + Lotus Web Conferencing (Sametime) portlets
- + My Lotus Team Workplaces (QuickPlace) portlets
- + Information sharing between portlets and Sample user interface
- = Collaboration Center features



## IBM licensing

- § WebSphere Portal Server Enable
- § WebSphere Portal Server Extend
  - 4 Sametime, QuickPlace (restricted for IBM WSP)
  - 4 Collaboration Center Portlets
  - 4 ...
- § WebSphere Portal Server Experience
  
- § WebSphere Portal Server Express SMB offerings
- § WebSphere Portal Server Express Plus
  - 4 Sametime, QuickPlace (restricted for IBM WSP)
  - 4 Collaboration Center Portlets
  - 4 .

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**Collaboration  
and  
Human Interaction**



## Portlets for Domino Developers

Lotus software

 business on demand software

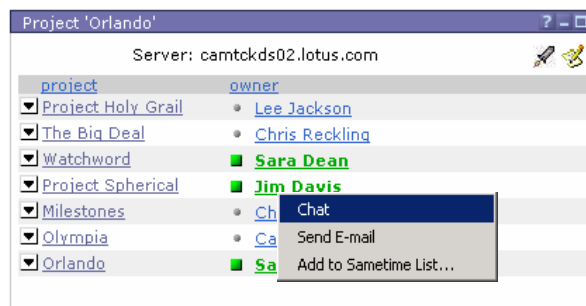
## Methods to Access Domino Data



- § Choice 1: Use out of the box portlets
- § Choice 2: Modify your Domino application
- § Choice 3: Use Lotus Collaborative Components
- § Choice 4: Use Java Server Pages
- § Choice 5: Use Domino Java classes

## Choice 1: Out of the Box Portlet Capabilities

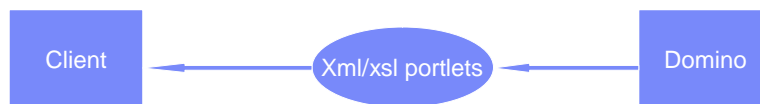
- § Display user's Mail, Calendar, To Do
- § Display any view in any database
- § Wizard-like Edit mode helps users define the portlet
- § Can launch Notes client instead of browser
- § Built-in People Awareness
- § Sorting





## Choice 2: Modify Your Domino Application

- § If you want to make your own portlet, but don't have all the java skills yet:
  - 4 Can use some of the portlet helpers
  - 4 XML, JSP, FileServer, Web Page
- § For example, use Domino's native XML generation and XSL
- § Plus: Gives you more control over the output
- § Minus: No automatic people awareness



## Serve up RSS from Domino

- § Build a View or Agent that outputs XML in RSS format
  - 4 Rich Site Summary
- § Use the RSS Portlet to display it
- § Easy to do
- § Low touch approach

```

    <!-- RSS -->
    <?xml version="1.0" encoding="UTF-8" ?>
    <rss version="2.0" ?>
      <channel ?>
        <title>Domino News in RSS Format</title>
        <description>Domino News in RSS Format</description>
        <link>http://www.ibm.com/press/us/03/030101.shtml</link>
        <pubDate>2003-01-01 12:00:00</pubDate>
        <generator>IBM Lotus Notes</generator>
        <item ?>
          <title>Domino News in RSS Format</title>
          <description>Domino News in RSS Format</description>
          <link>http://www.ibm.com/press/us/03/030101.shtml</link>
          <pubDate>2003-01-01 12:00:00</pubDate>
          <generator>IBM Lotus Notes</generator>
        </item>
      </channel>
    </rss>
  
```

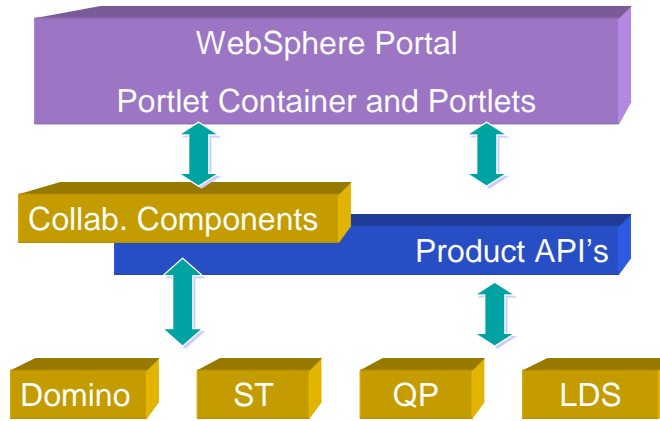
### Choice 3: Lotus Collaborative Components

- § A set of methods that expose collaboration function to portlet developers
- § JavaBeans
- § Designed to access Lotus Software products - Domino, QuickPlace, Sametime, Discovery Server
  - 4 Not a replacement to individual product APIs
- § Useful for building custom portlets or adding functionality to portlets, such as menus or online awareness
- § Sample code included in portal install

### What Are the Components?

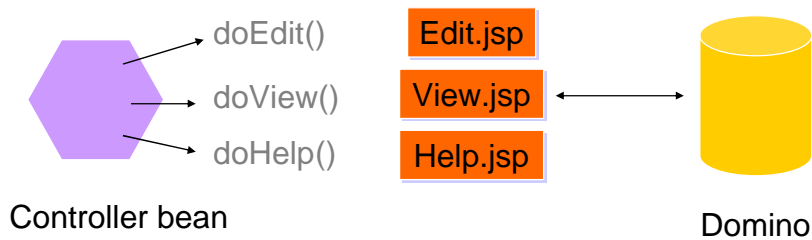
- § Domino Data Service
  - 4 Directory, View, and Document related
- § QuickPlace Service
  - 4 create new QuickPlaces method
- § People Service
  - 4 add people awareness and menus
- § Menu Service
  - 4 add menus to anything, anywhere
- § Discovery Server
  - 4 find documents and people

### LCC Architecture



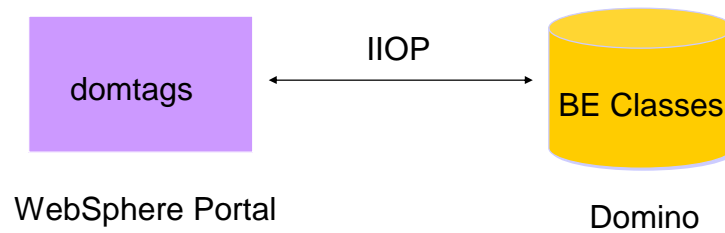
### Choice 4: Use Java Server Pages

- § Easy to use presentation layer technology
- § Full access to all Java and JSP facilities
- § Can use Domino JSP tag libraries
- § Good for simple presentation of information



## Domino JSP Tag Libraries

- § Provide easy access to the Domino backend from JSP
- § Include domtags.tld and domutil.tld
- § Use IIOp to remote to Domino



## Choice 5: Use Domino Java Classes

- § Domino Java Classes provide full access to Domino backend
- § Use NCSOW.jar in R5 or NCSO.jar in Domino 6
  - 4 Package with the portlet war
- § Import the lotus.domino package
  - 4 `<%@ page import="lotus.domino.*" %>`