



IBM Systems and Technology Group University 2005

IBM Systems and Technology Group University 2005



2/10/2005

© 2005 IBM Corporation



IBM Systems and Technology Group University 2005

WebSphere Portal and Lotus Workplace collaboration on eServer i5

Course #:

Mike Gordon, Marcela Adan
iSeries Technology Center



2/10/2005

© 2005 IBM Corporation

Abstract

- **The latest technical update on Lotus Workplace and Websphere Portal collaboration solutions on eServer i5. WebSphere Portal provides an environment where users can collaborate using portlets that rely on Lotus servers. Lotus Workplace provides a new infrastructure, built on WebSphere, which enables an integrated collaborative environment.**
- **Objectives**
 - Describe the collaboration options available on eServer i5
 - Compare and position the options and articulate benefits of each
 - Be able to advise customers on the best alternative for their specific environment
 - Explain why eServer i5 may be the best platform to deploy a collaboration solution

Agenda

- The Business Needs
- The Solution: IBM Workplace Strategy
- Product Family Positioning
- IBM WebSphere Portal
 - What is New
- Lotus Workplace
 - Workplace Client Technology
- Quiz
- Lotus Workplace iSeries / eServer i5 Implementation
- Collaboration Scenarios

The Business Need



The Need for Productivity is Everywhere

The Business Need

All organizations must perpetually strive to maximize their productivity, lower their costs, and be responsive to the needs of their customers and the marketplace. At the present stage of evolution in information technology, IT infrastructures aligned with these goals are moving towards creation of online work environments where:

- 1. People can communicate and collaborate from anywhere, at any time, across geographic and organizational divides**
- 2. Information relevant to the business at hand is immediately accessible**
- 3. Business processes are linked to reduce redundancies and improve business efficiencies.**



Agenda

- The Business Needs
- The Solution: IBM Workplace Strategy
- Product Family Positioning
- IBM WebSphere Portal
 - What is New
- Lotus Workplace
 - Workplace Client Technology
- Quiz
- Lotus Workplace iSeries / eServer i5 Implementation
- Collaboration Scenarios

IBM Workplace

Definition: The products and technologies from IBM that are focused on making people more productive.



Lotus Workplace

Family of collaborative, Web-based products providing a single, role-based interface to the collaboration tools a user needs



Lotus Notes/Domino

Family of market leading messaging, collaborative application development and collaboration products that can be integrated into your business environment



WebSphere Portal

Simplified, integrated access to information, applications and business processes from across the organization in a single role based interface

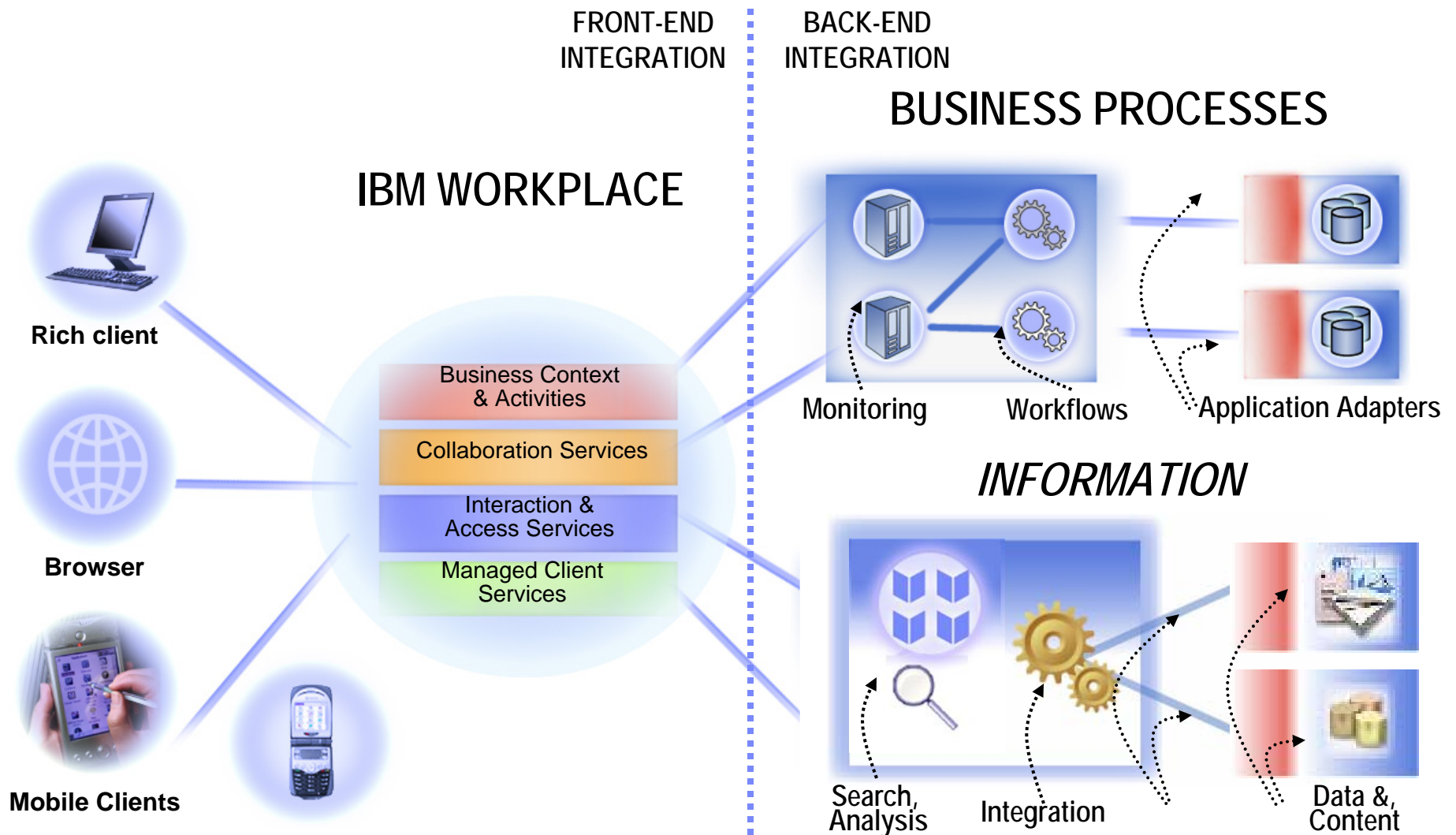


WebSphere Everyplace

Provides people mobile access to and from the applications, information and the people they need to connect with throughout their day

IBM Workplace

Making More People More Productive in the Context of the Business They Do Every Day



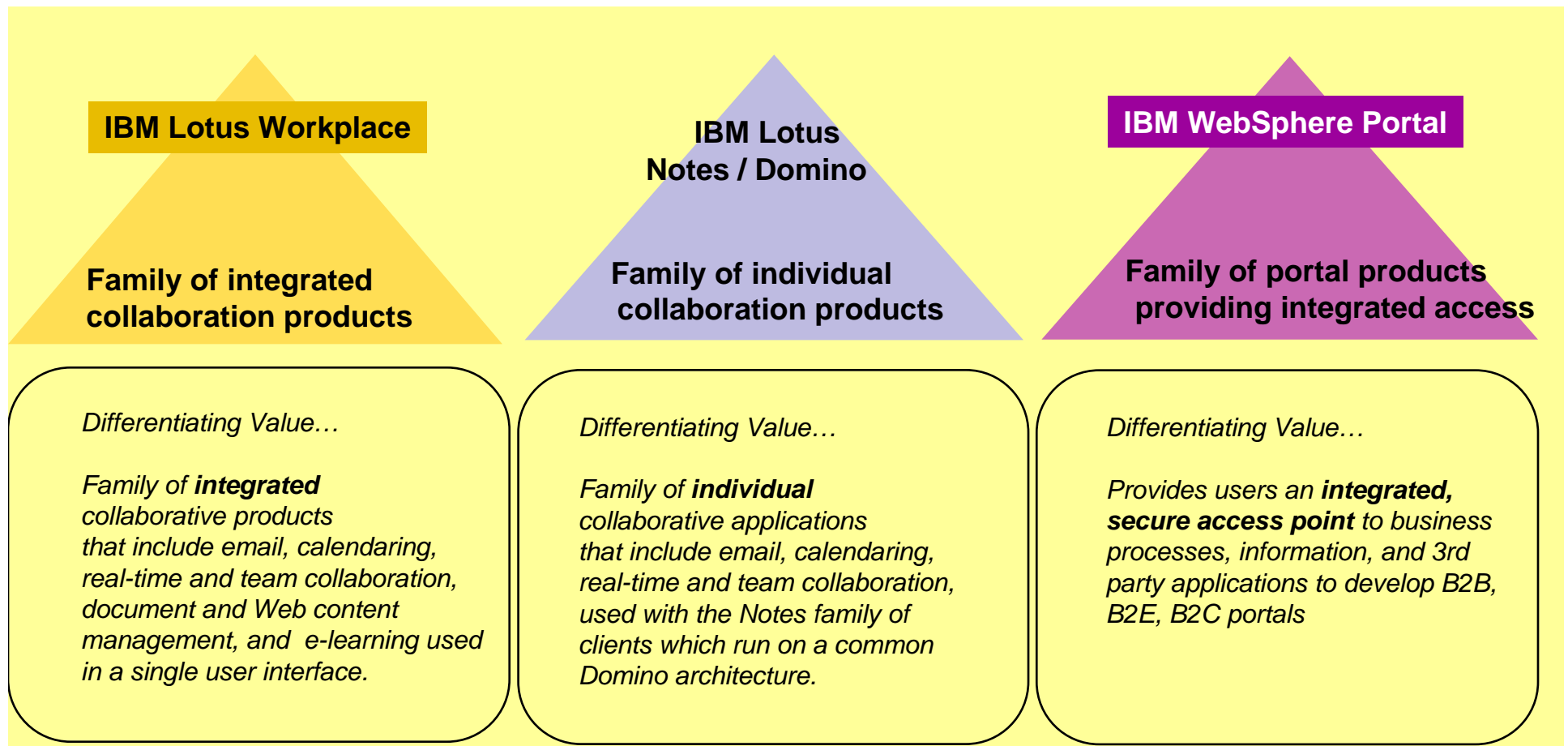
The power of one architectural model, one programming model, one consistent tool set

Agenda

- The Business Needs
- The Solution: IBM Workplace Strategy
- Product Family Positioning
- IBM WebSphere Portal
 - What is New
- Lotus Workplace
 - Workplace Client Technology
- Quiz
- Lotus Workplace iSeries / eServer i5 Implementation
- Collaboration Scenarios

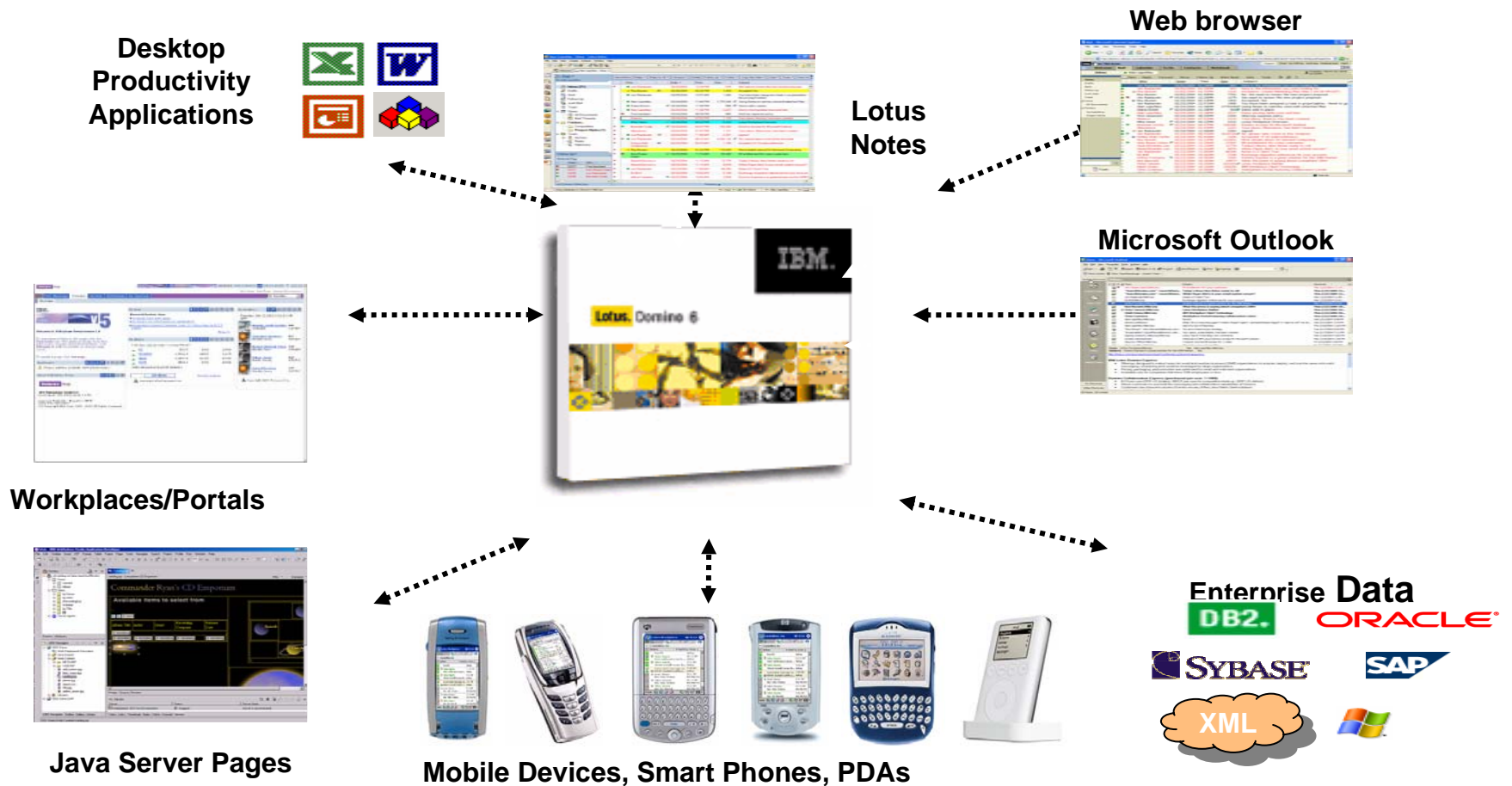
Lotus Product Families

Differentiating Roles between Lotus Workplace, Notes/Domino and WebSphere Portal



Traditional Lotus Notes / Domino Solutions

- Leader in integrated collaborative application
- 3.5 Million Users in 1995 grown to 110 Million in 2004
- Leader in business instant messaging
- 1500 customers migrating from competitive platforms in past 12 months



Value of Lotus Notes/Domino Solutions

Enterprise Strength

- ✓ Unsurpassed reliability, availability, scalability with clustering
- ✓ Consistent architecture
- ✓ Remote administration
- ✓ Autonomic capabilities

Security

- ✓ Server, DB, View, Field access controls
- ✓ Integrated encryption
- ✓ Local data protection
- ✓ Execution Control Lists
- ✓ Smartcard support

#1

Flexibility

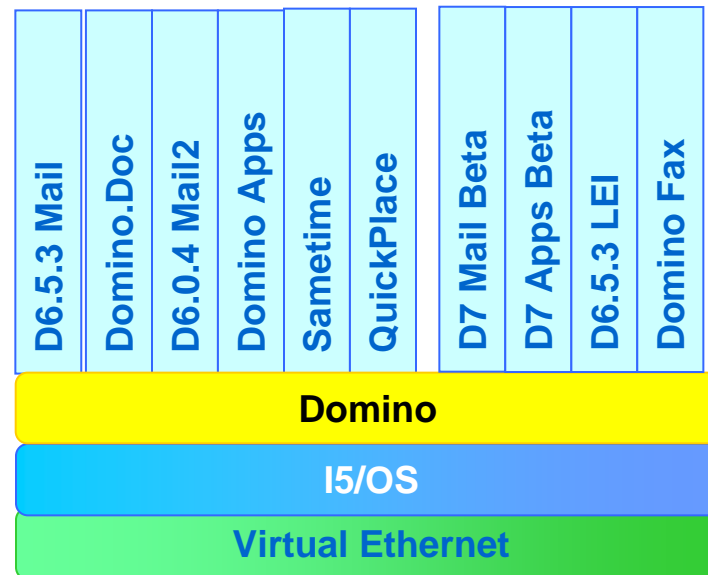
- ✓ Multiple client choices
- ✓ Multiple server platforms
- ✓ Mobility and off line
- ✓ Fully customizable, change any template

Collaboration

- ✓ Rapid development/deployment
- ✓ Open and integratable
- ✓ Evolving with, and leading the market in new technologies
- ✓ 1000s of partner solutions
- ✓ Packaged templates

Domino iSeries Architecture Delivers Additional Value

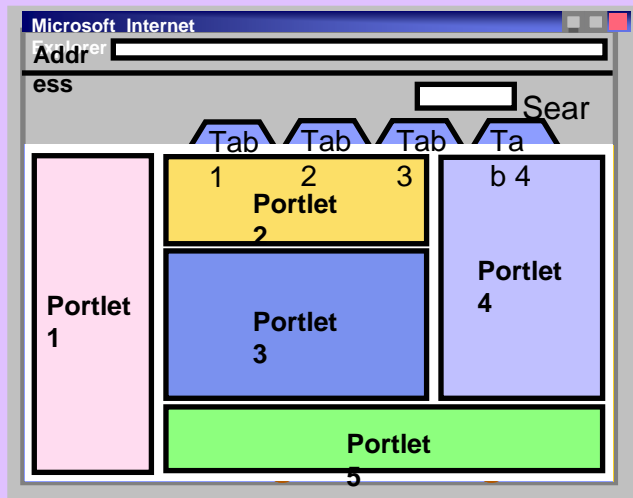
- Shared virtual resources
 - **Automatic reallocation as needed**
 - **Non-disruptive growth**
- Availability
 - **Subsystem isolation**
 - **Automatic Domino recovery**
- Ease of use / administration
 - **iSeries Navigator**
 - **Domino multi-versioning support**



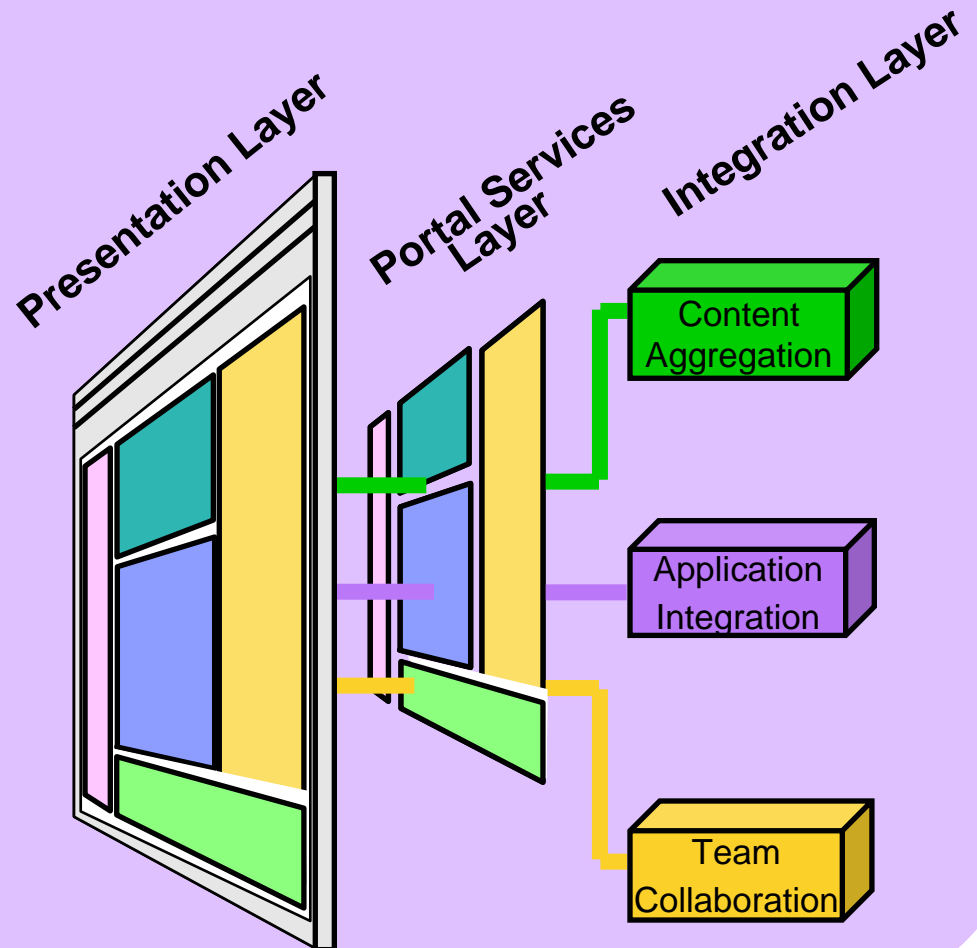
The Definition is Clear: Portal is...

A User interface...

- Primarily a UI framework for integrating "other" applications, content and processes.
- Includes several additional features which add value to this integrated environment, like search, Single Sign-on, etc.



...and Integration

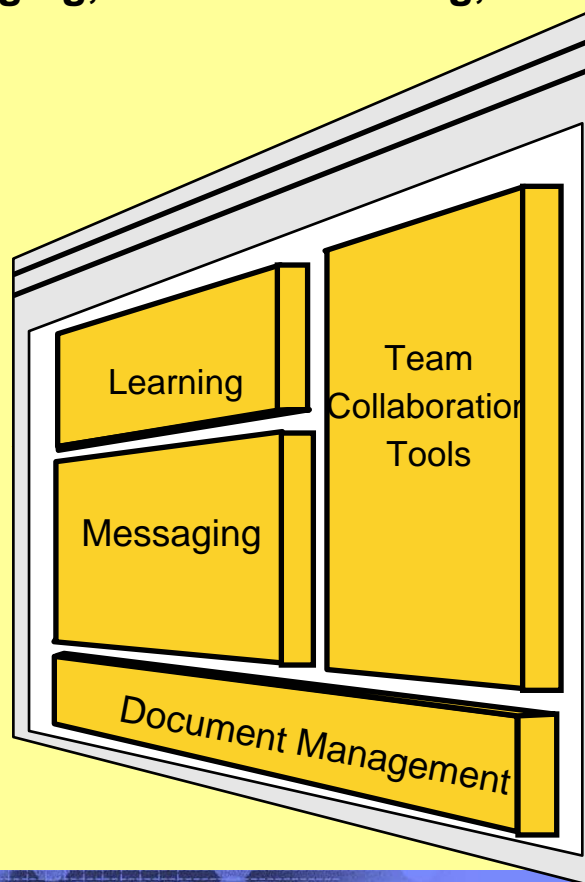


The Definition is Clear: Lotus Workplace is ...

Primarily a family of integrated collaboration products which help people do their jobs more productively. Includes capabilities like e-mail, instant messaging, web conferencing, elearning etc.

Four categories of workplace capabilities

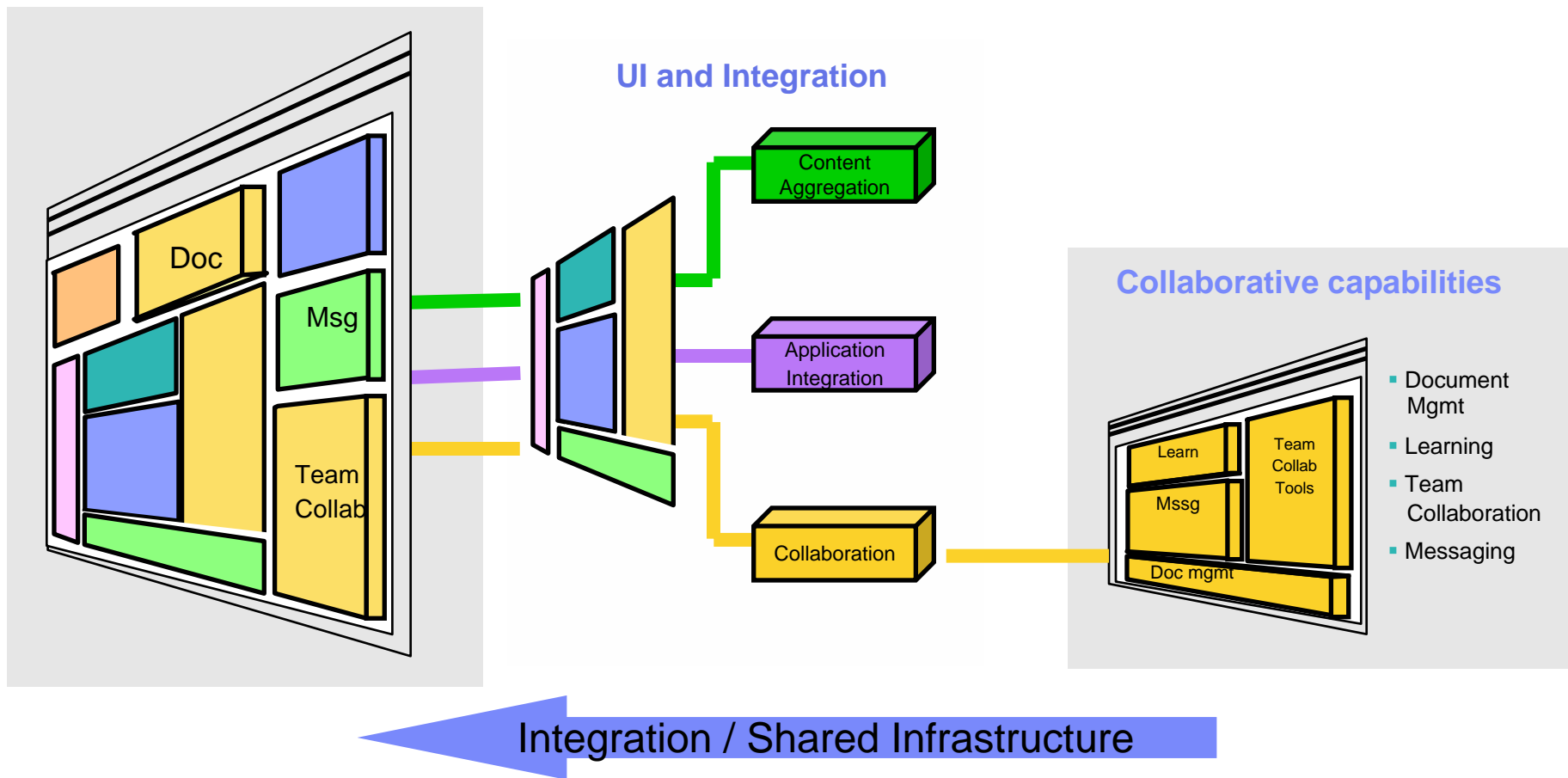
- **Document Management**
 - Web Content Mgmt
 - Enterprise Document Mgmt.
- **Learning**
 - Training development
 - On-line training delivery
 - Training Mgmt
- **Team Collaboration**
 - Instant Messaging and presence awareness
 - Web conferencing
 - Team spaces
- **Messaging**
 - E-Mail
 - Calendar
 - Personal/Public address book



...and extending beyond the browser to a rich client experience in the 2.0 release

...and combining Portal and Lotus Workplace

they make up the software foundation of an On Demand Workplace



Agenda

- **The Business Needs**
- **The Solution: IBM Workplace Strategy**
- **Product Family Positioning**
- **IBM WebSphere Portal**
 - **What is New**
- **Lotus Workplace**
 - **Workplace Client Technology**
- **Quiz**
- **Lotus Workplace iSeries / eServer i5 Implementation**
- **Collaboration Scenarios**

WebSphere Portal

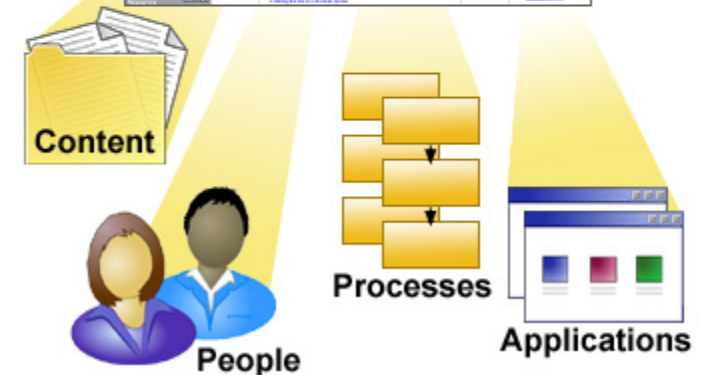
Single Point of Personalized Interaction with Applications, Content, Processes and People

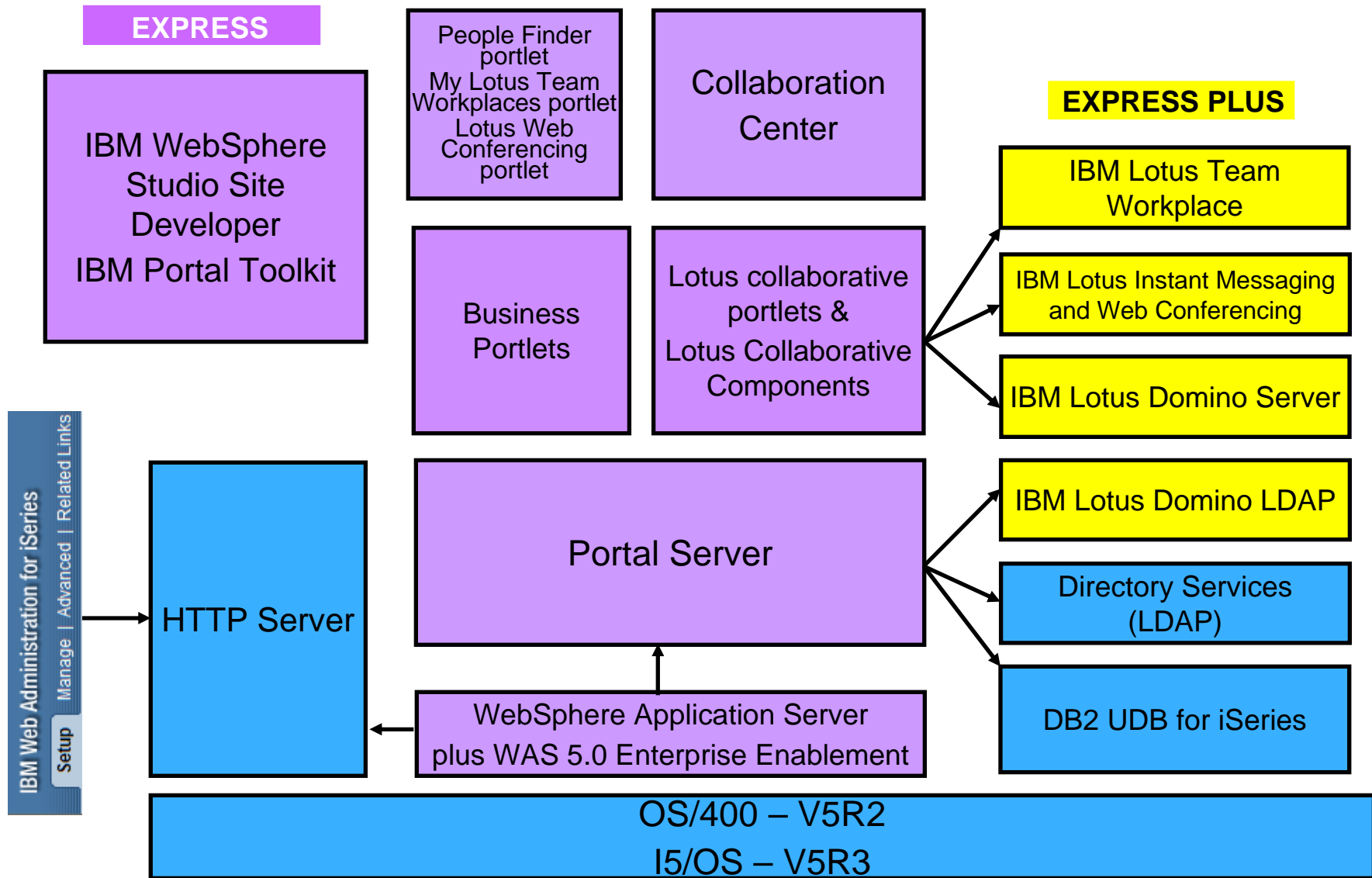
■ By definition, a portal should provide

- Single sign-on
- Common presentation
- Application and information integration
 - iSeries Access for Web Portlets
 - WebFacing Portlet
 - HATS Portlet
 - myQuery reports portlet
- Collaborative capabilities
- Personalization and customization
 - Themes, skins, aggregation
 - Role Based customization
 - Anonymous and authenticated users
 - In-line customizer
- A framework for Web Services
- Extension to pervasive devices

Gartner Group

"Portal, the most overused word in IT" Gene Phifer - Gartner





Collaboration and Single Sign On (SSO)

Out of the box collaboration portlets

Lotus Domino Web Access

Mail, Calendar, To Do List, Contacts, and Notebook functions

■ Lotus Notes and Domino

My Lotus Notes Mail

My Lotus Notes Calendar

My Lotus Notes To Do

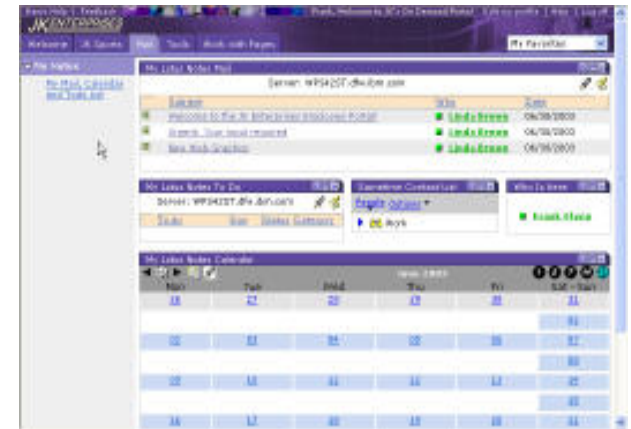
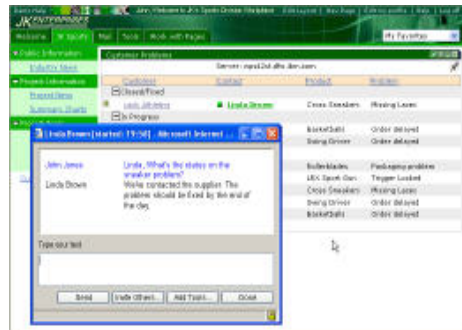
Lotus Notes Discussion

Lotus Teamroom

Lotus Instant Messaging

Lotus Team Workplace

More....



■ Collaboration portlets available with WebSphere Portal - Express

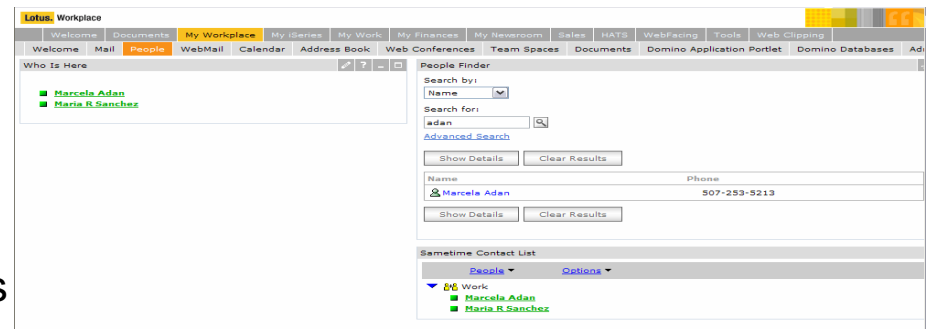
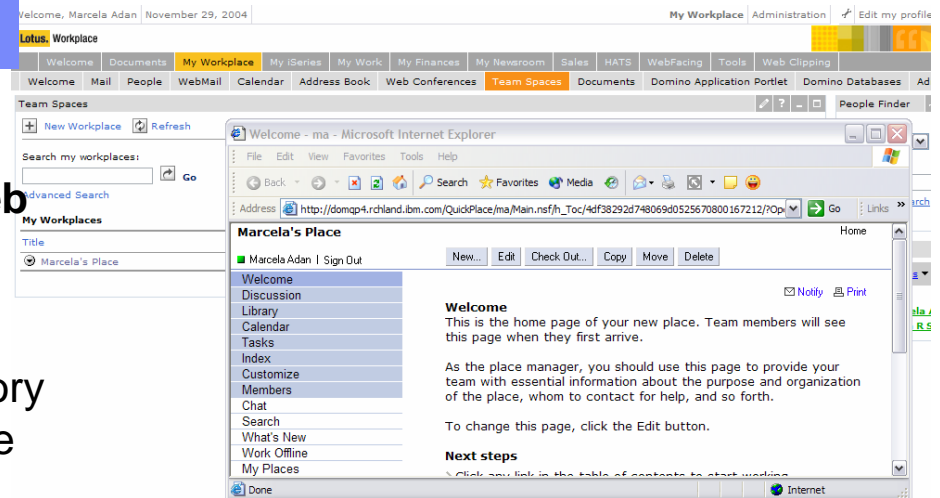
Lotus Domino, Lotus Instance Messaging, Lotus Team Workplace servers are required

■ WebSphere Portal – Express and Lotus Domino SSO

Advanced collaboration

Collaboration Center


- For enterprises that seek to extend web portal infrastructure with a pre-built collaboration solution.
- **People Finder** - On-line company directory with built-in instant messaging and people awareness
- **My eMeetings** - View, schedule and attend Sametime e-meetings
- **My Quickplaces** - Display, search and launch QuickPlace project team rooms
- **Who is here** - displays an inline list of people in the page with whom the user is able to chat




Adding Workplace principles to Domino and WebSphere Portal Product Line

- Domino and extended products are synchronized starting with 6.5.1
- WebSphere Portal 5.0.2.2 makes Collaboration Center available for all versions of Portal
- Lotus Notes Portlets and Extended Products 6.5.1 can be downloaded from the Portal catalog
- Demonstrates the continuing value and investment in Notes/Domino and the extended products
- Appearance of portlets and default Collaboration Center environment consistent with Lotus Workplace

Welcome, Mike D Gordon | October 13, 2004


My Workplace Administration  Edit my profile ? Log ou

Lotus Workplace 

Welcome Documents **My Workplace** My iSeries My Work My Finances My Newsroom Sales HATS WebFacing Tools Web Clipping

Welcome Mail People WebMail Calendar Address Book Web Conferences Team Spaces Documents Domino Application Portlet Domino Databases Administration

Domino Extended Products Welcome

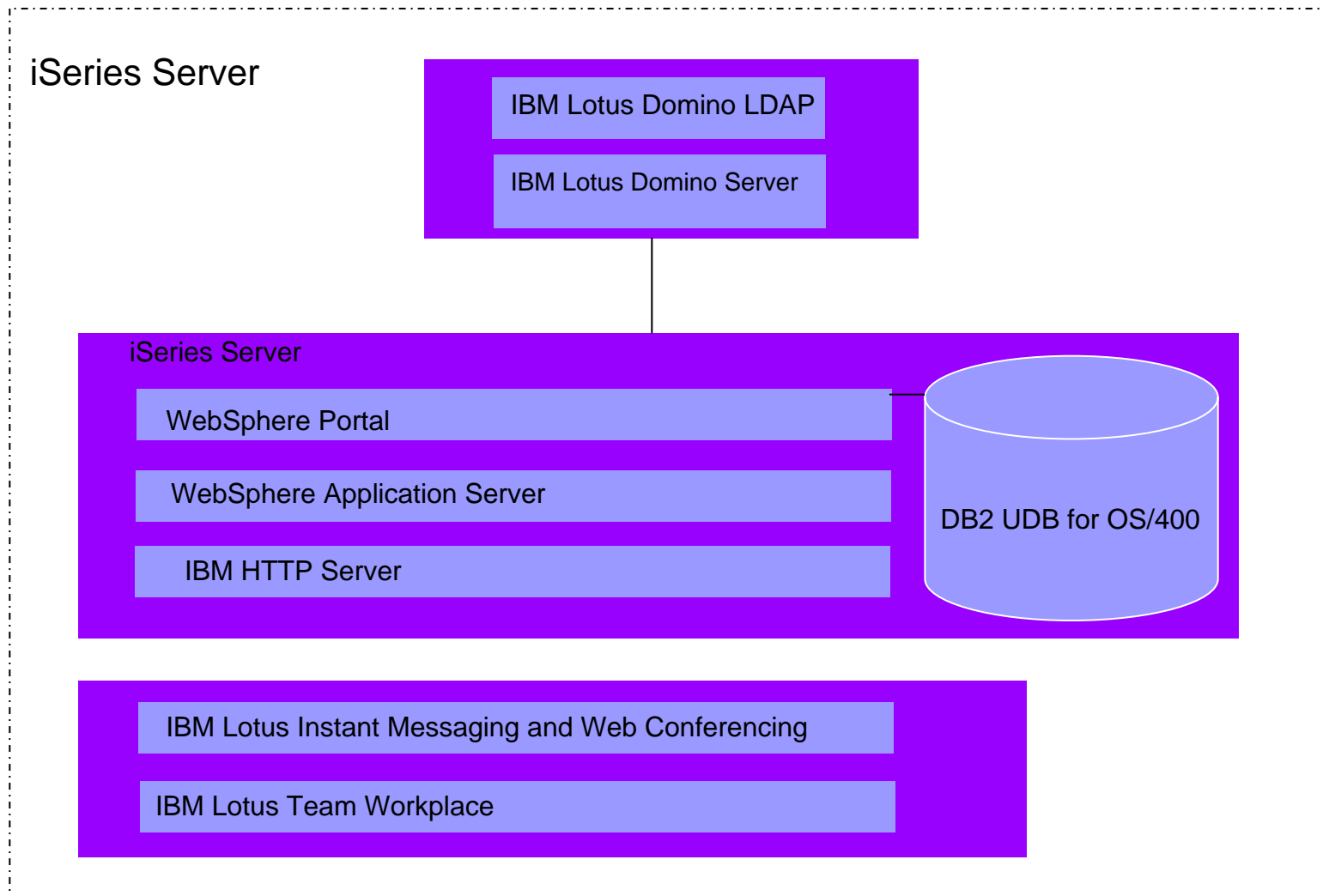


With this sample portal of Notes/Domino and Extended Products 6.5.1.1, we are presenting users with a Lotus Workplace-like experience by integrating all core messaging and collaborative applications into a portal user interface (UI). The sample portal shows how users in a portal environment can collaborate using portlets that rely on Lotus server products like Domino, Lotus Team Workplace (formerly QuickPlace), Lotus Instant Messaging and Web Conferencing (formerly Sametime), Domino Document Manager (formerly Domino.doc) and Lotus Workflow. The new release of Notes/Domino 6.5.1 is a bridge to the world of J2EE and open standards, extending Domino's capabilities by providing the means to connect different sources of data, regardless of vendor.

Both new and updated portlets are provided. These include standard Notes and Domino features such as e-mail, calendar and scheduling, discussion, teamrooms, and to-dos, as well as the Notes View capability that lets you work with the documents from any view of any Notes database. Portlets based on extended products let you conduct Web conferences, manage documents, see a list of your team workplaces, find people in your company directory, use other Domino applications as portlets, and more.

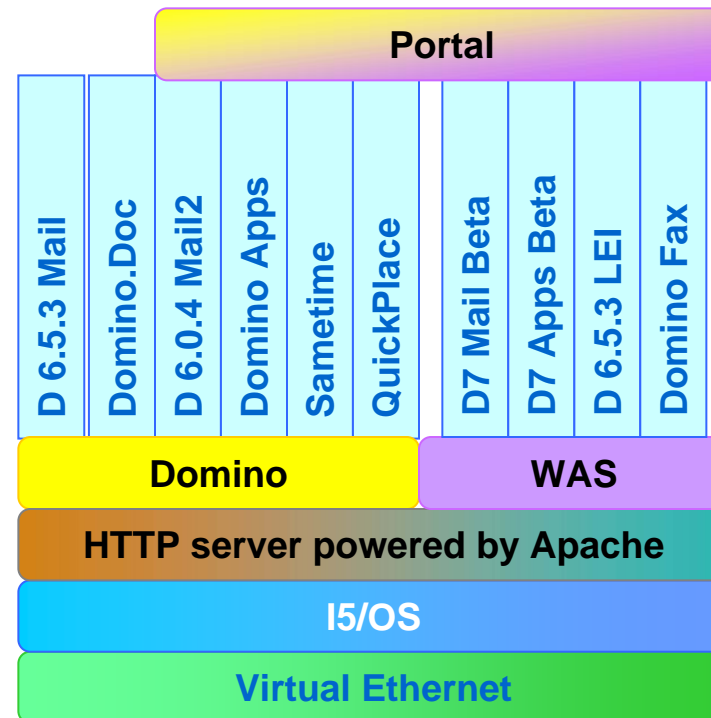
WebSphere Portal Configuration Wizard

■ WebSphere Portal – Express with Lotus Collaboration Options



WebSphere Portal Collaboration on iSeries Architecture

- Integration
 - **DB2**
 - **LDAP**
 - **HTTP server**
 - **WAS**
- Shared virtual resources
 - **Automatic reallocation as needed**
 - **Non-disruptive growth**
- Availability
 - **Subsystem isolation**
 - **Automatic Domino recovery**
- Ease of use / administration
 - **iSeries Navigator**
 - **Portal wizards**
 - **Domino multi-versioning support**



Agenda

- The business needs
- The solution: IBM Workplace strategy
- Product Family Positioning
- IBM WebSphere Portal
 - What is New
- Lotus Workplace
- What is new
- What every customer should know
- Call to action

WebSphere Portal 5.1 Release Themes

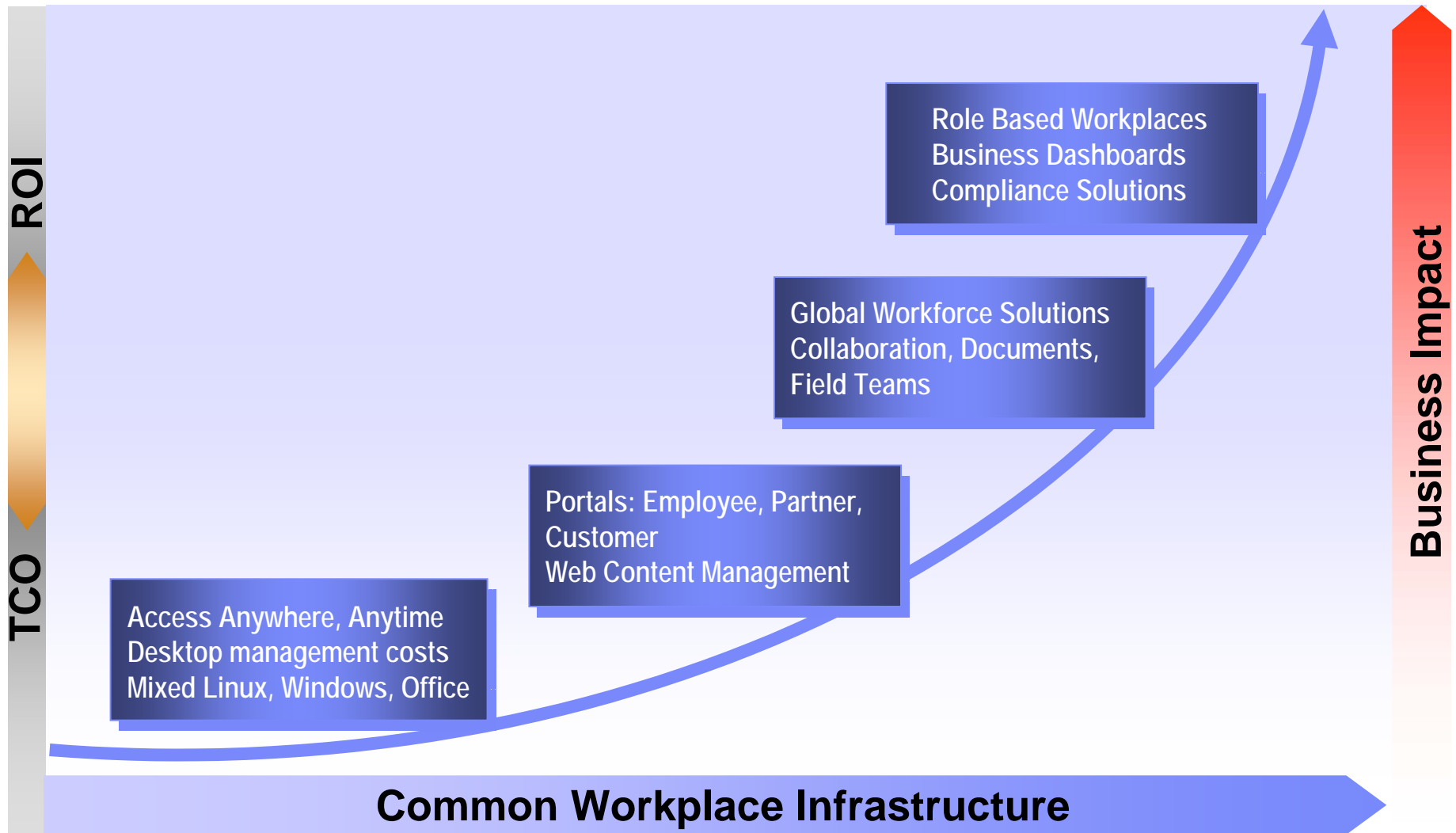
- **On Demand (Time to Value)**
 - Speed of deployment to production
 - Virtual Portals
 - Enterprise app integration
 - Security integration
- **Mission Critical**
 - Platform for building/running mission critical applications
 - Modular deployment
 - Reliability
 - Change control/deployment
 - Off-line content enablement
 - z/OS platform support
- **Ease of Use**
 - Portal administration
- **Ease of Installation and Configuration**
 - Installation in less than one hour
 - Addition of post-install configuration GUI
 - Improved performance in moving from Cloudscape to another DB
- **Total Cost of Ownership**
 - Support of sub-capacity and on demand pricing supported by ITLM
 - Support of lower cost DB – Microsoft SQL Server Standard
- **Improved Performance**
 - Addition of a new high performing skin and theme
- **Improved Key Function**
 - Business Process Integration leverages workflow for business activities
 - Fully integrated web content management

**** iSeries SoD: WebSphere Portal Enable 5.1 support**

Agenda

- The business needs
- The solution: IBM Workplace strategy
- Product Family Positioning
- IBM WebSphere Portal
 - What is New
- Lotus Workplace
 - IBM Workplace Client Technology
- What is new
- What every customer should know
- Call to action

Value of Workplace



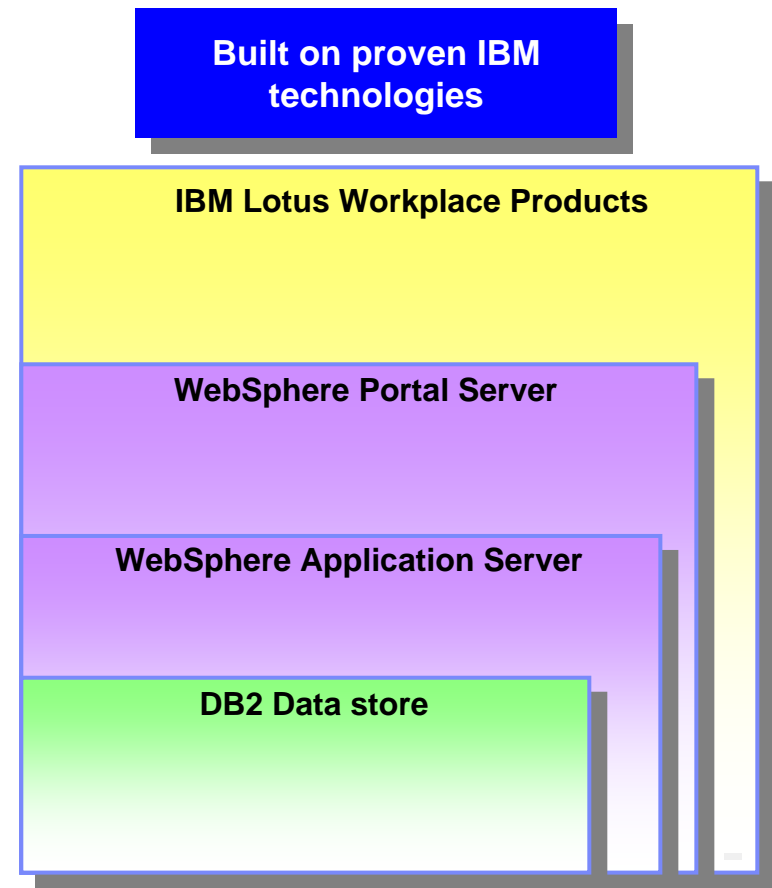
What's the Value of Lotus Workplace?

- **Increase productivity**
 - Putting collaboration tools in the context of business process increases organizational productivity
- **Increase access to information**
 - Allow information sharing and reduce the amount of time employees spend looking for important documents
- **Lower cost, simplified administration**
 - A common platform for all collaborative capabilities reduces TCO
- **Easier to integrate, broader application development capability**
 - A standards based platform ensures flexibility and ease of integration

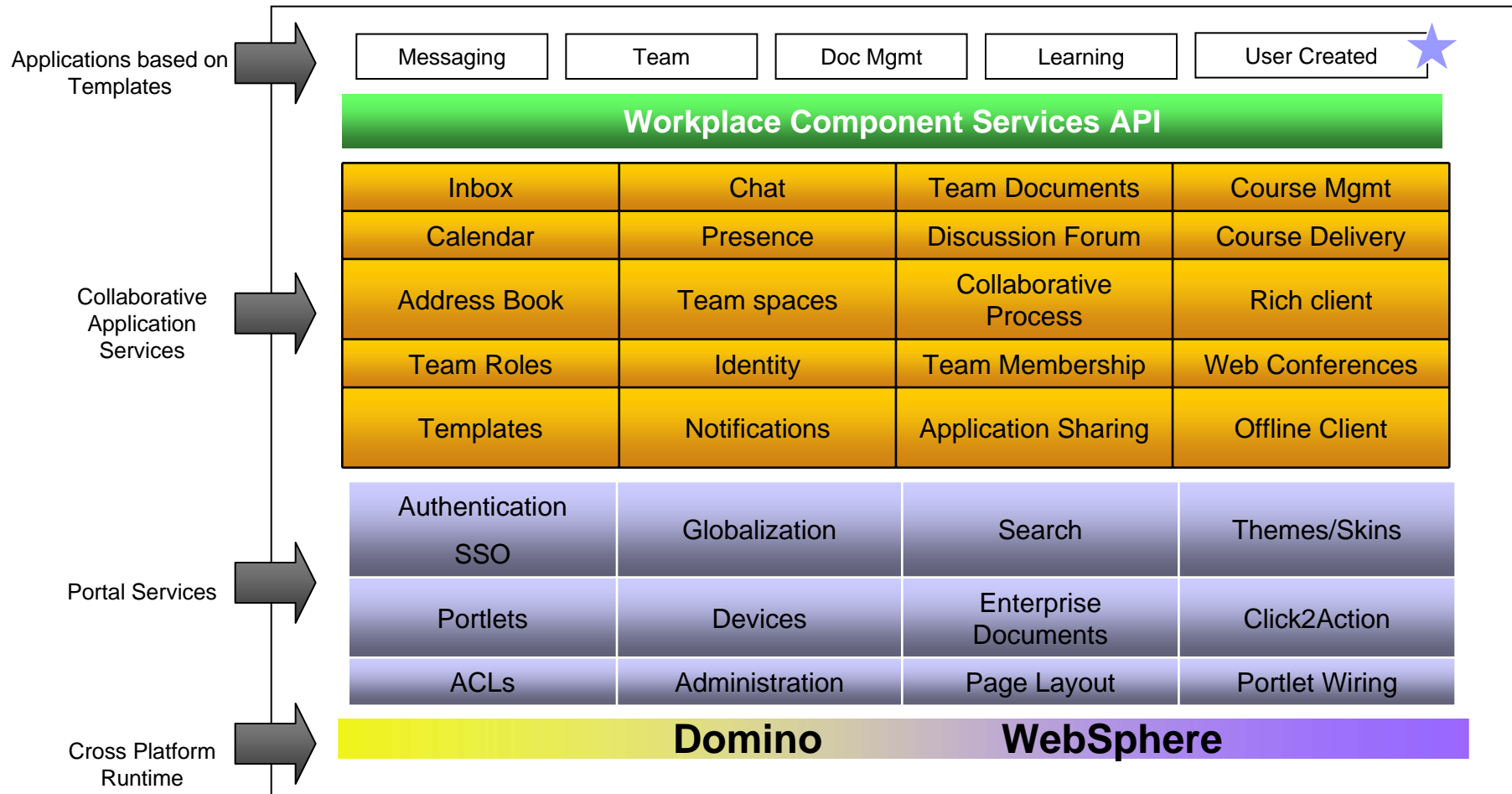


The Software Stack

- Infrastructure Services across Lotus Workplace products
 - J2EE App Server
 - Common data store
 - Common Language support
 - Common client support
 - Shared Administration
 - Single Sign On / Authentication / LDAP
 - Allows single sign on across products
 - Search
 - Universal Search - Learning, Team Spaces



Lotus Workplace Platform Architecture



Lotus Workplace Products

- Lotus Workplace Messaging
- Lotus Workplace Team Collaboration
- Lotus Workplace Documents
- Lotus Workplace Collaborative Learning
- Lotus Workplace Web Content Publishing
- Lotus Workplace for Business Controls and Reporting

Not supported on
eServer i5

Lotus Workplace Messaging

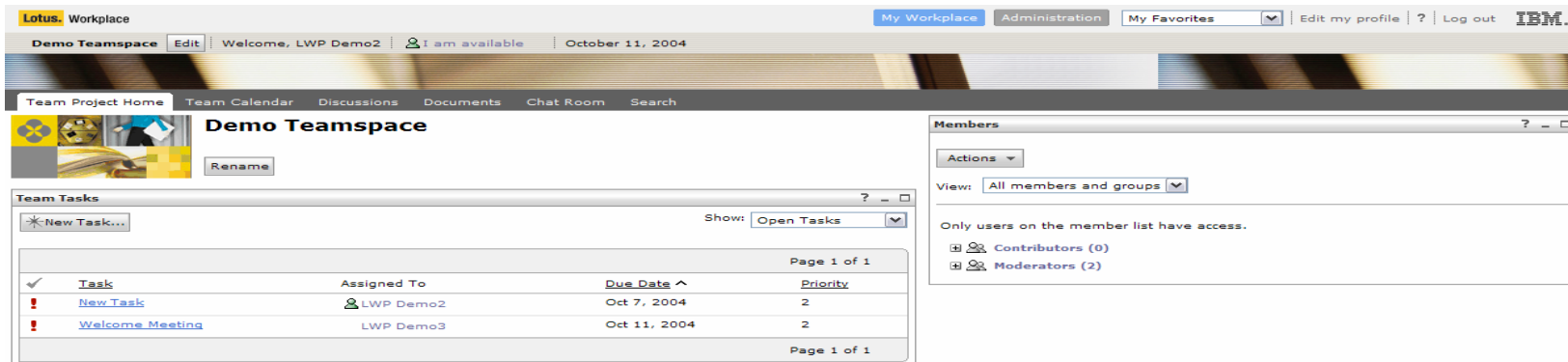
- Client options
 - Browser access to web portlets
 - POP3/IMAP clients
 - Rich Client
- By definition integrated
 - with other Workplace collaborative apps
- Reduced Administration
 - through unified management framework
- Account Auto-Provisioning
 - No more need for directory synchronization
- Key Enhancements
 - Group calendaring & scheduling
 - End User Productivity Tools
 - Nested folders

The screenshot displays the Lotus Workplace Messaging web interface. At the top, there is a navigation bar with links for 'Workplace Builder', 'Administration', and 'My Favorites'. Below this, a user status bar shows 'Welcome, Accept1 Tester', 'I am available', and the date 'April 28, 2004'. A secondary navigation bar includes 'My Workplace', 'Documents', 'My Stuff', 'My Mail', and 'My Docs'. The main interface is divided into several sections:

- Mail:** A central pane showing an email inbox with columns for 'From', 'Subject', 'Date', and 'Size'. The inbox contains several messages, including invitations and meeting notices.
- People Finder:** A sidebar on the right with a search box and a 'Search' button.
- Instant Contacts:** A sidebar on the right showing a list of contacts, including 'Accept5 Tester' and 'Accept1 Tester'.
- Navigation:** A top-left pane with a tree view of folders such as 'Inbox', 'Drafts', 'Sent', 'All Documents', 'Trash [Empty]', 'Reports', 'monthly', 'quarterly', 'Staff members', 'Brendan', 'Messaging', 'Heidi', and 'Jeff'.

Lotus Workplace Team Collaboration Team Space – Task List / Members

- Out-of-the-box collaborative applications, built from templates
- Fully customizable collections of portal pages and portlets, pre-wired to solve a particular business problem. For example:
 - meeting management, sales team, marketing activities, customer issues
- Includes tools like document libraries, chat rooms, lists
- Membership model of participation, with role-based security



The screenshot displays the Lotus Workplace interface for a 'Demo Teamspace'. At the top, there is a navigation bar with 'My Workplace', 'Administration', and 'My Favorites'. Below this is a secondary bar with 'Welcome, LWP Demo2' and the date 'October 11, 2004'. The main content area is divided into two sections: 'Team Tasks' and 'Members'.

Team Tasks

Buttons: *New Task... | Show: Open Tasks

Task	Assigned To	Due Date ^	Priority
✓ New Task	LWP Demo2	Oct 7, 2004	2
! Welcome Meeting	LWP Demo3	Oct 11, 2004	2

Page 1 of 1

Members

Actions

View: All members and groups

Only users on the member list have access.

- Contributors (0)
- Moderators (2)

Lotus Workplace Team Collaboration: Instant Messaging

<input type="checkbox"/> LWP Demo1	LWP Demo1	Invitation: Team lead meeting	10/4/04	2K
<input type="checkbox"/> LWP Demo2	I am available to chat.	Invitation: Demo Meeting	10/4/04	2K
<input type="checkbox"/> lwpdemo1@rch	Start Chat...	Invitation: My Web Conference October 4, 2004 7:30:09 AM CDT	10/4/04	1K
<input type="checkbox"/> LWP Demo1	Send E-mail...	First email	10/1/04	1K
<input type="checkbox"/> IBM	Show Person Record...	IBM Lotus Workplace Messaging (TM)	10/1/04	38K
	Add to Instant Contacts...			
	Edit Contact Information...			

- **Instant Messaging is based on SIP/SIMPLE**
 - New standard aimed at interoperability among IM servers
- **Web Conferences**
 - Lightweight presentation-style meetings
 - Screen sharing

LWP Demo1, started at 00:10 - Microsoft Internet Explorer

To: LWP Demo1

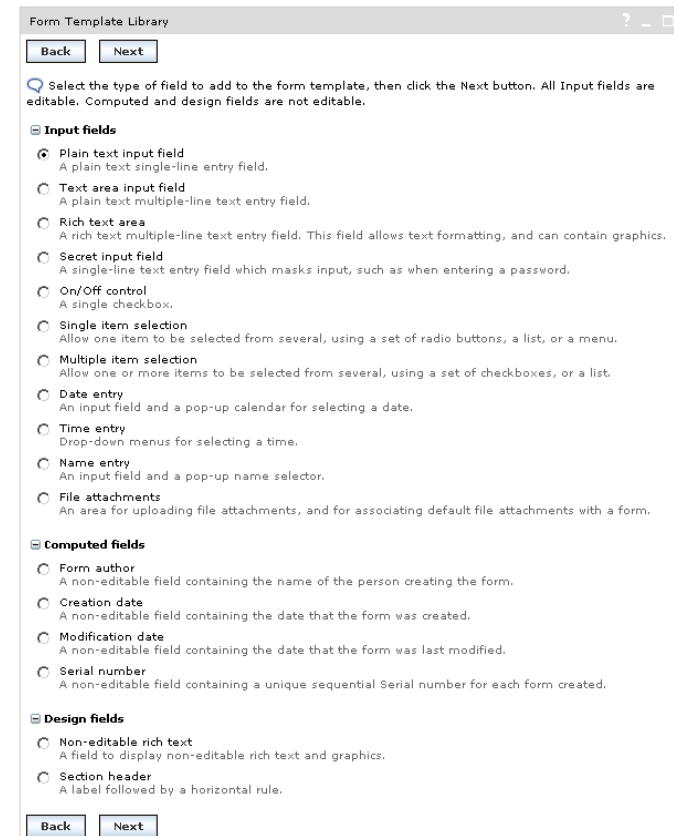
LWP Demo2: Hey Demo1
 LWP Demo2: are you there?
 LWP Demo1: yeah, how's it going?
 LWP Demo1: gotta go!
 :: LWP Demo1 left this chat ::

Type your message here:

Last message received at 00:11

Lotus Workplace Team Collaboration: Workplace Builder

- **Self-service tool designed for business users to easily work with the Workplace templates included with a specific product,**
 - Create an application from a template without coding
 - Customize workplace applications
 - Create and modify templates
- **Benefits**
 - Reduce costs for developing collaborative applications - can be built by business users with a browser
 - Reduce time to value – templates may be reused and modified
 - Lower IT Costs - self-service administration by the business owner for creation and access control
 - Ease the learning curve - uses familiar portal tools by sharing a common layout with WebSphere Portal



Form Template Library

Back Next

Select the type of field to add to the form template, then click the Next button. All Input fields are editable. Computed and design fields are not editable.

Input fields

- Plain text input field**
A plain text single-line entry field.
- Text area input field**
A plain text multiple-line text entry field.
- Rich text area**
A rich text multiple-line text entry field. This field allows text formatting, and can contain graphics.
- Secret input field**
A single-line text entry field which masks input, such as when entering a password.
- On/Off control**
A single checkbox.
- Single item selection**
Allow one item to be selected from several, using a set of radio buttons, a list, or a menu.
- Multiple item selection**
Allow one or more items to be selected from several, using a set of checkboxes, or a list.
- Date entry**
An input field and a pop-up calendar for selecting a date.
- Time entry**
Drop-down menus for selecting a time.
- Name entry**
An input field and a pop-up name selector.
- File attachments**
An area for uploading file attachments, and for associating default file attachments with a form.

Computed fields

- Form author**
A non-editable field containing the name of the person creating the form.
- Creation date**
A non-editable field containing the date that the form was created.
- Modification date**
A non-editable field containing the date that the form was last modified.
- Serial number**
A non-editable field containing a unique sequential Serial number for each form created.

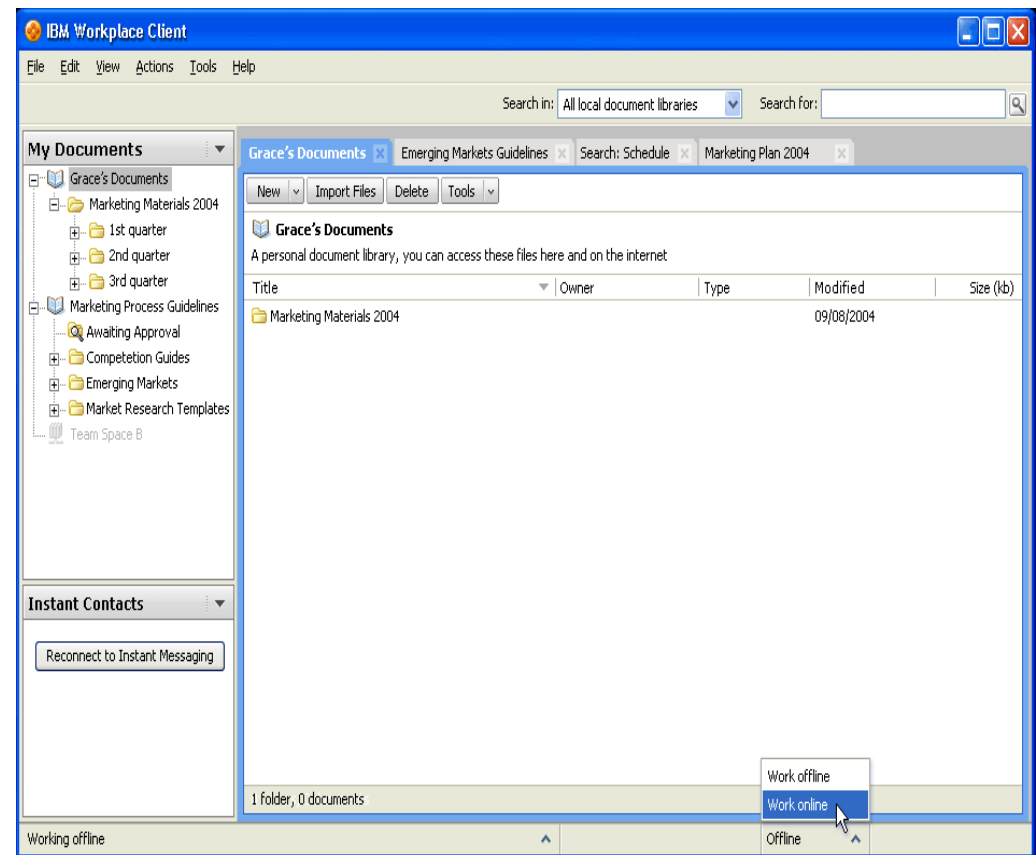
Design fields

- Non-editable rich text**
A field to display non-editable rich text and graphics.
- Section header**
A label followed by a horizontal rule.

Back Next

Lotus Workplace Documents

- Rich client experience includes:
 - Rich document editors (for word processing, spreadsheets, presentations)
 - Encrypted store and secure connection for offline use
- Browser experience includes:
 - Document management capability with access to Portal document libraries
 - Lightweight document editors
 - Integrated instant messaging and presence awareness with ability to save conversation
- Other unique features:
 - Personal document library; Check in / checkout / document locking / versioning; Document views, search and sorting; and more ...



Lotus Workplace Collaborative Learning

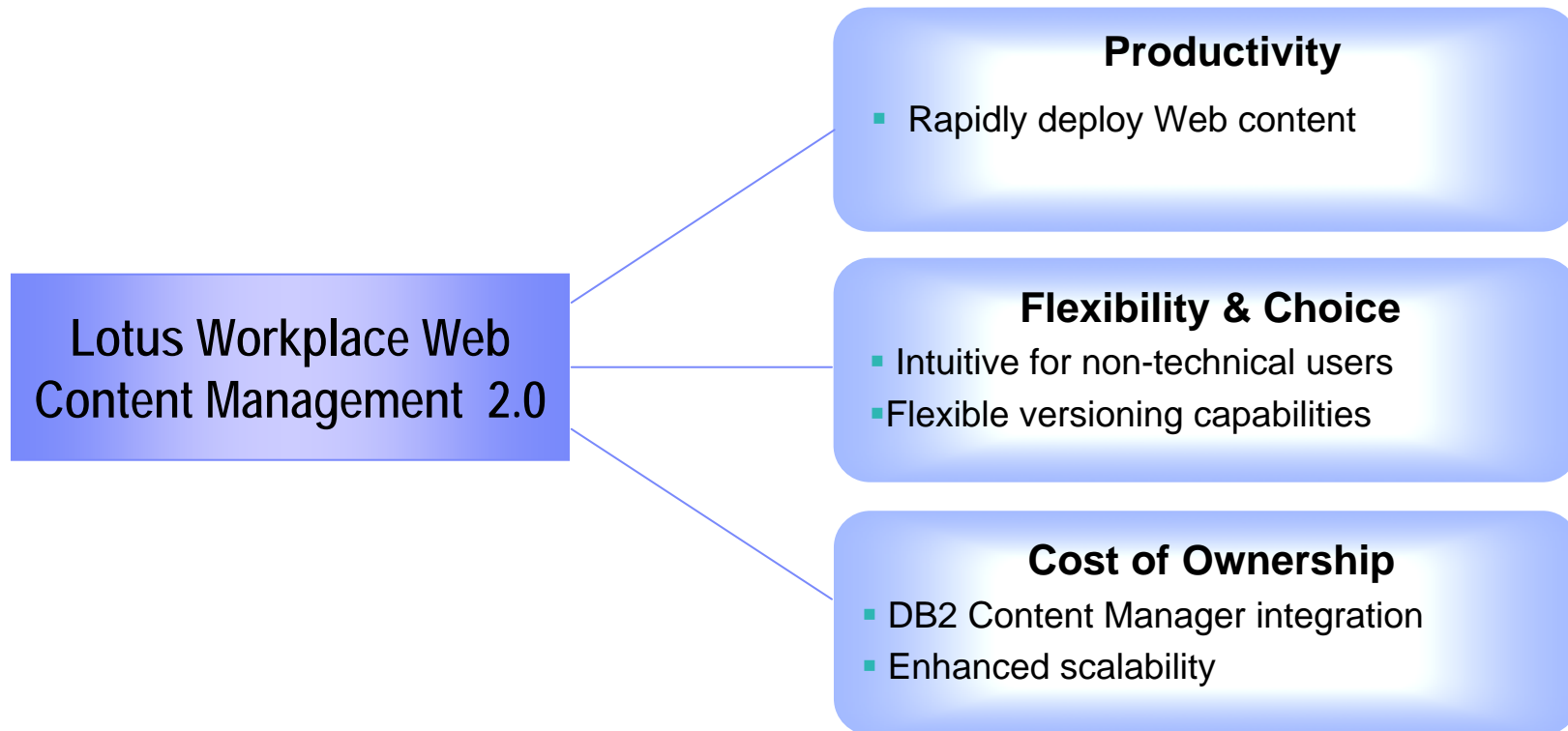
- Integrated skills management tools
 - Managers can identify skills gaps and create individualized training programs to meet employees' needs
 - Mapping skills & Jobs to users and courses
 - Individual Development Plan
- Tighter integration with Lotus Workplace Messaging, Calendaring and Collaboration
 - Use of Team Spaces for discussion threads
 - Send notifications to Lotus Workplace Messaging
 - Calendar integration with Lotus Workplace Messaging
 - Instant messaging and presence awareness within the context of online courses

The screenshot displays the Lotus Workplace Learning interface. At the top, the user is identified as Marc J. Pagnier, who is disconnected, with a date of March 22, 2004. The interface is divided into several sections:

- Announcements:** A section titled "Welcome to the LWP 2.0 Demo!"
- My Learning:** A section for "Enrolled Courses" with a search catalog and a view dropdown set to "Enrolled Courses". Below this is a table with columns: Name, Number, Type, Status, Discussion, and Action. The table is currently empty, displaying "There are no entries to display."
- Skills Management:** A section for "Skills Dictionary" with a "Courses" tab. It includes instructions: "You can add existing skills or create new skills to add to a list of skills to work on. Once you have built the list, then you can either select a set of skills and add a proficiency set or a list of jobs to the set, or edit each skill individually." Below this are buttons for "Find Existing Skills...", "New Rating Scale...", "New Skill...", and "Clear List". A table with columns: Name, ID, Vendor ID, Description, Rating Scale, Associated Jobs, Remove Skill from List, and Delete Skill from Dictionary is shown, also displaying "There are no entries to display."
- People Finder:** A sidebar tool for searching users, with a search by name dropdown and a search input field.
- Instant Contacts:** A sidebar tool for viewing contacts.

Lotus Workplace Web Content Management 2.0

Business value summary

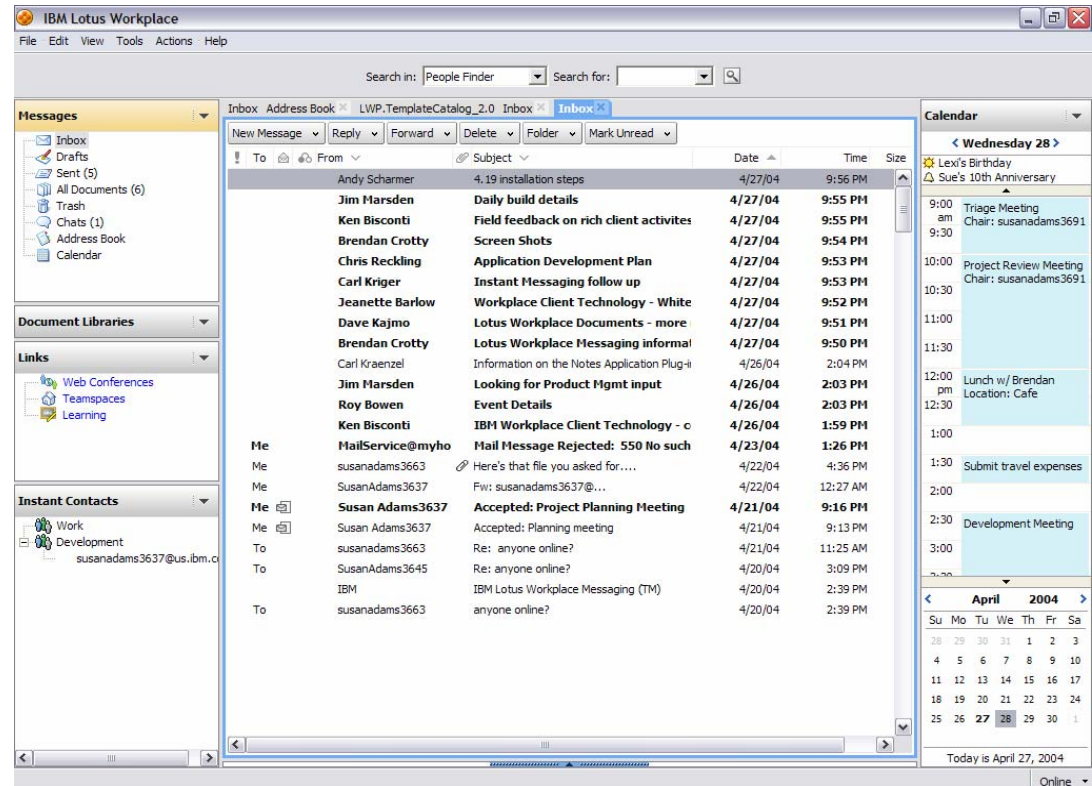


Agenda

- The business needs
- The solution: IBM Workplace strategy
- Product Family Positioning
- IBM WebSphere Portal
 - What is New
- Lotus Workplace
 - IBM Workplace Client Technology
- What is new
- What every customer should know
- Call to action

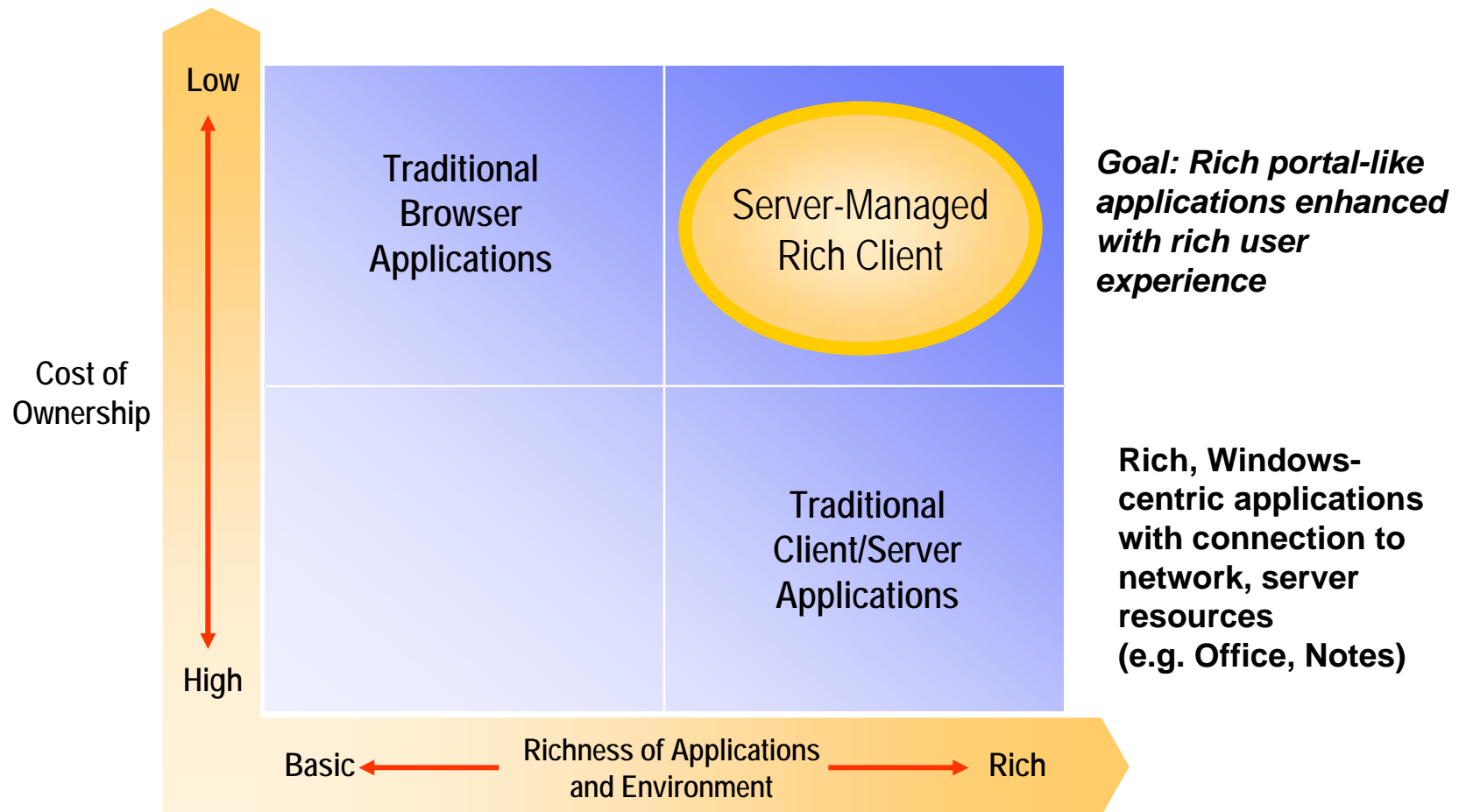
Workplace Client Technology, Rich Edition

- Dynamic Rich Client Experience to Work Online or Offline
 - managed from the server with the TCO of a Browser
- Centralized administration, setup and client updates
 - With robust policy managed access and control
- Linux, Windows and MacOS (future) desktops



Goal ...

Achieve rich client functionality at low total cost of ownership

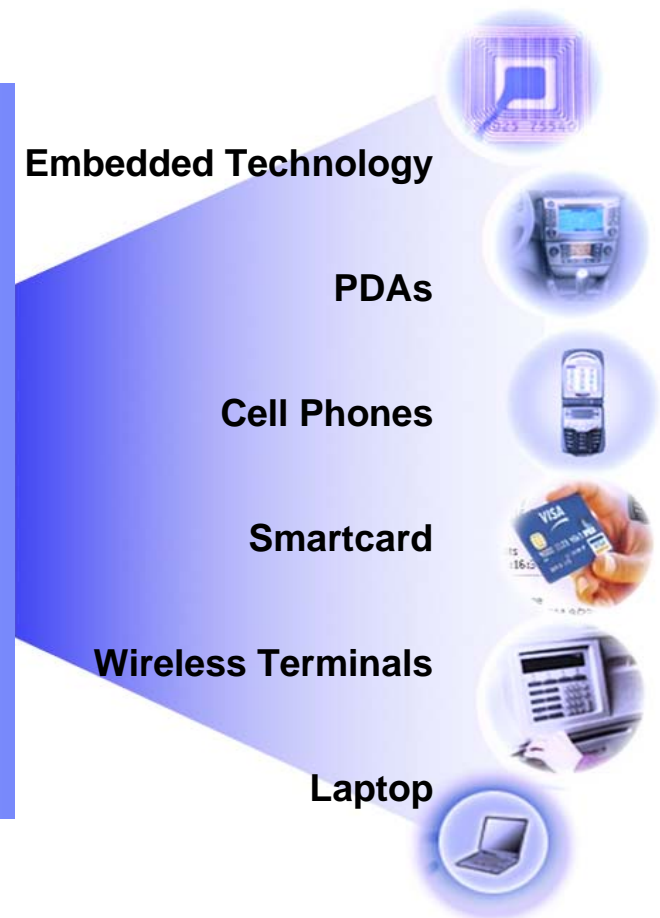


Expediting Information to and from a Wide Variety of Devices

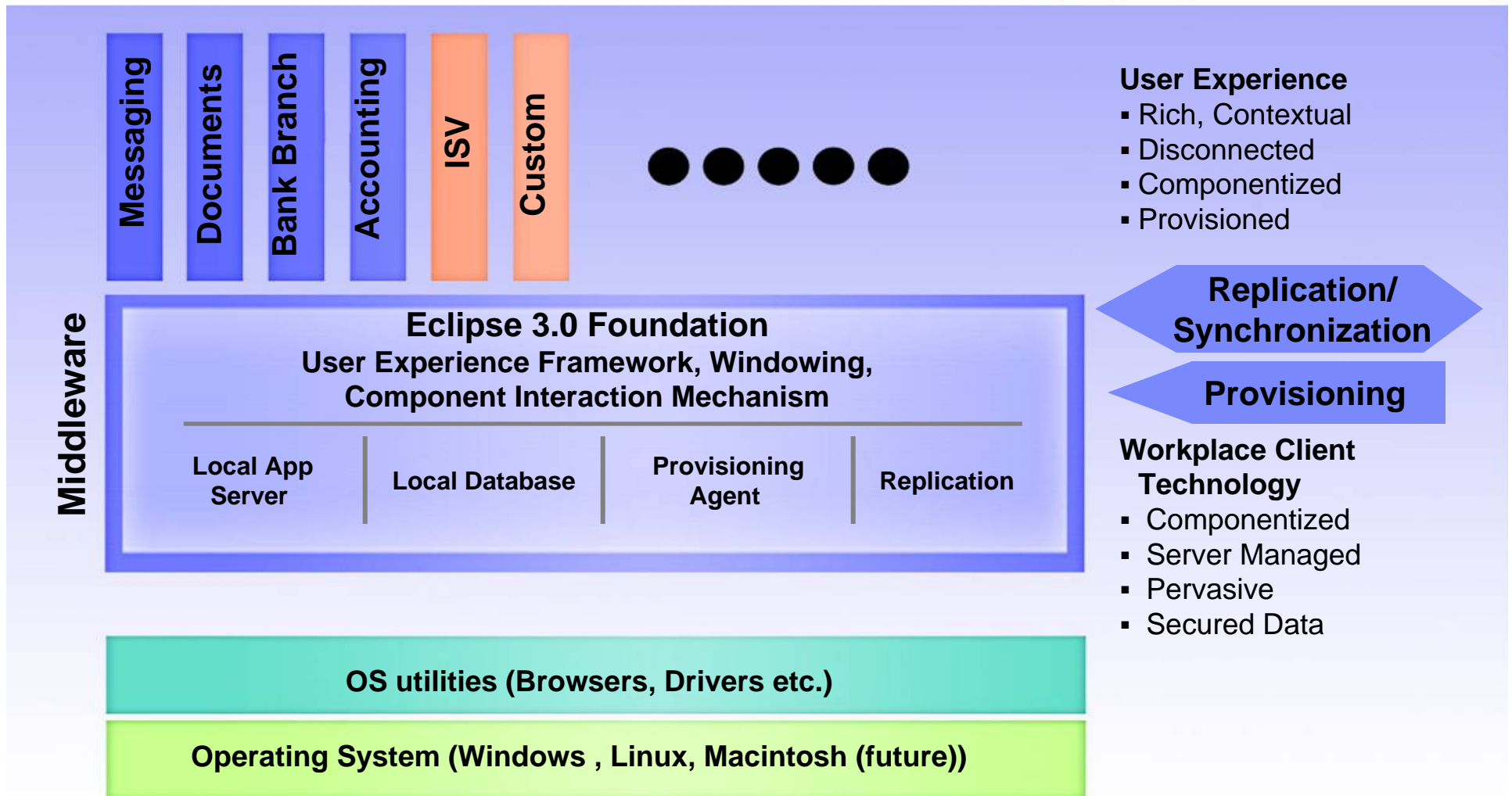
A client middleware framework which enables ISVs , device manufacturers, service providers and enterprises to develop, deploy and manage applications and services for a wide spectrum of devices.

IBM Workplace Client Technology, Micro Edition

- Standards-based middleware can help ensure interoperability
- Can help leverage and extend many existing applications
- Bridge mismatch of application and device lifecycle
- Adapt to network conditions
- Extreme portability and configurability



IBM Workplace Client Technology, Rich Edition

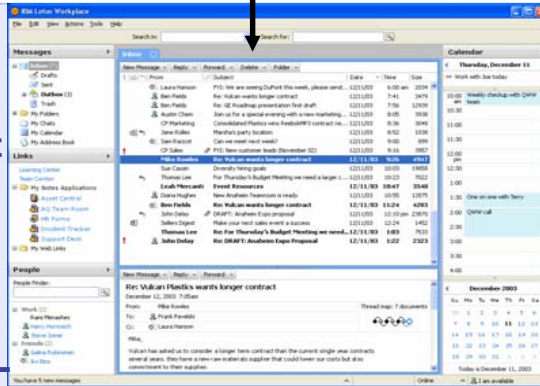


Workplace Client flow

4. The XML stream is sent to the rich client platform for dynamic assembly of the client UI

Client

5. Client is built according to the model by assembling components from a client-side library



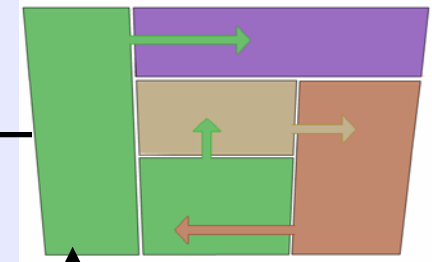
Component Library

Workplace Client
Data store

Server

3. An XML markup of the *model* is created

<xml>
<....>



2. Model is created

Portal

Server Data Store

1. User logs on to the portal

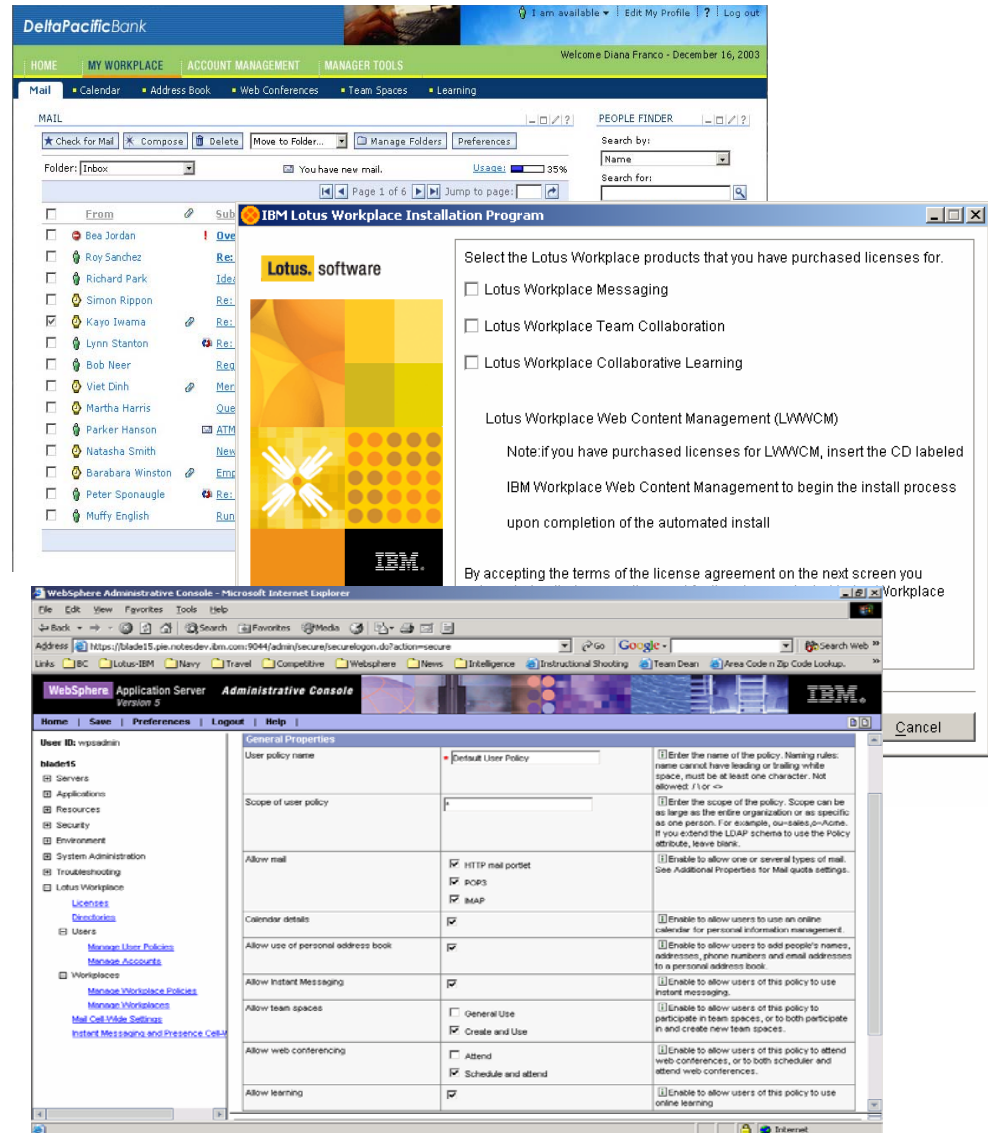
4a. Data for components is replicated to client-side data store using SyncML

The Result is Simplification for Users and IT Management

Easier to use:
One interface for dynamic capabilities that all work together
 ...and now offering the choice of a rich client experience

Easier to buy:
License and deploy capabilities - on demand

Easier to deploy:
Common administration for faster deployments – on demand



Agenda

- The Business Needs
- The Solution: IBM Workplace Strategy
- Product Family Positioning
- IBM WebSphere Portal
 - What is New
- Lotus Workplace
 - Workplace Client Technology
- Quiz
- Lotus Workplace iSeries / eServer i5 Implementation
- Collaboration Scenarios

True or False #1

- Lotus Workplace is the latest product from Lotus Software
- False
- Lotus Workplace refers to both a family of products and the technical framework that is common across the products
 - The actual products are:
 - Lotus Workplace Messaging
 - Lotus Workplace Team Collaboration
 - Lotus Workplace Documents
 - Lotus Workplace Collaborative Learning
 - Lotus Workplace Web Content Publishing
 - Lotus Workplace for Business Controls and Reporting

True or False #2

- Lotus Workplace is a series of new portlets for Websphere Portal
- False
- Lotus Workplace is an application that builds upon Websphere Application Server and Websphere Portal
- Lotus Workplace utilizes WAS applications and Portal, along with Business Components, to build and deliver applications to end users
- Websphere Portal will continue to be packaged and sold as it is today. As with Notes/Domino there is some overlap in function but there are clear differences in the product.

True or False #3

- Lotus Workplace is the “NextGen” Lotus Notes and Domino
- False, sort of
- Many of the concepts around advanced collaboration are being delivered in the latest releases of both Lotus Notes/Domino and Lotus Workplace
- The complexities of implementing many of the concepts in the mature Notes/Domino code base constrains how some things can be done
- Starting from a fresh code base, and structured around industry standards, Lotus Workplace provides a more flexible framework for the implementation of new concepts

True or False #4

- Lotus Workplace and IBM Workplace are the same thing?
- False
- Lotus Workplace is one suite of products in the IBM Workplace family
- The IBM Workplace name is used to connect products that convey a common user experience across products and platforms

True or False #5

- Lotus Workplace, Lotus Notes/Domino, and Websphere Portal are standalone environments that are independent of one another
- True, however...
- All three products can be tightly integrated, and the real strength of the product portfolio is the ability to mix user experiences as required by the user population and applications
- All IBM products that have a user interface are being moved to Websphere and Portal for web based applications and IBM Rich Client technology for client based applications
- Lotus Workplace installs Websphere Portal as part of the underlying infrastructure

Agenda

- **The Business Needs**
- **The Solution: IBM Workplace Strategy**
- **Product Family Positioning**
- **IBM WebSphere Portal**
 - **What is New**
- **Lotus Workplace**
 - **Workplace Client Technology**
- **Quiz**
- **Lotus Workplace iSeries / eServer i5 Implementation**
- **Collaboration Scenarios**

Hardware Requirements

- Not yet determined for Workplace
- Since Workplace runs on a Websphere Portal 5.0.2.2 instance, here are the requirements for that product. Workplace will probably require more memory and may require more powerful processor to achieve adequate response times.
- WebSphere Portal - Express for iSeries 5.0.2.2 Hardware requirements
 - Minimum hardware requirements:
 - iSeries Model 810 with processor feature 2465
 - 2 GB of memory
 - 1.5 GB of disk space for installation of WebSphere Portal and WebSphere Application Server V5.0 Enterprise Enablement
 - 2.5 GB of disk space for each WebSphere Application Server instance configured for use with WebSphere Portal
 - **Notes:**
 - These minimum requirements are based on a non-cluster environment running a single WebSphere Application Server instance. To run multiple WebSphere Application Server instances at the same time, additional system resources are required.
 - These requirements represent the recommended minimum requirements. Deployments which must support many users or require shorter response times might require additional resources.

Software Requirements

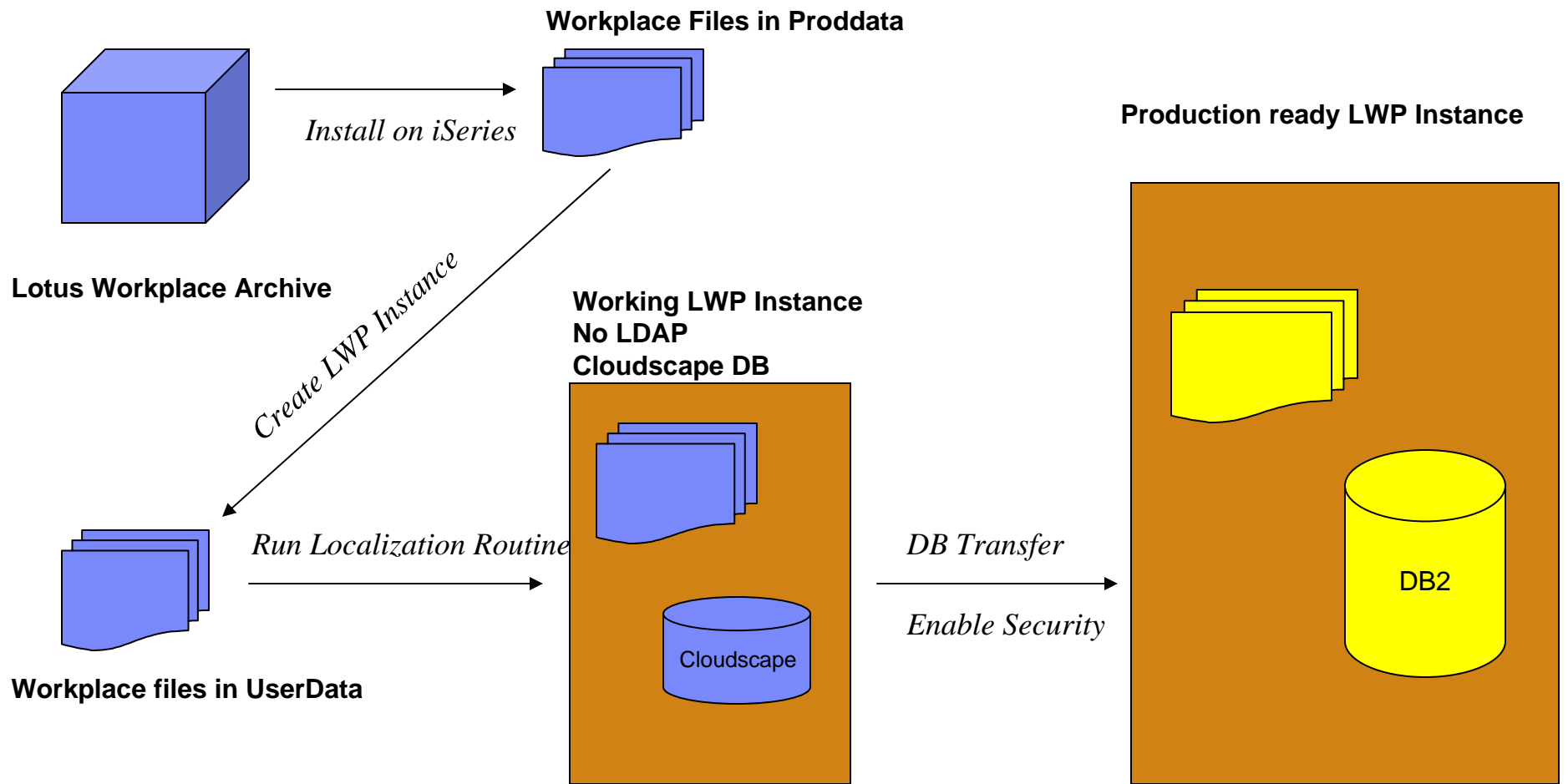
- 5722SS1 OS/400 V5R3
- 5722SS1 opt 12 Host Servers
- 5722SS1 opt 30 QSHELL Interpreter
- 5722SS1 opt 33 PASE
- 5733WS5 *BASE Websphere Application Server V5
- 5733WS5 opt 1 WAS V5 Client Development and Runtime
- 5733WS5 opt 2 WAS V5 Application Server Runtime
- 5733WS5 opt 10 WAS Enterprise Enablement
- 5722JV1 *BASE IBM Developer Kit for Java
- 5722JV1 opt 5 Dev Toolkit for Java (Version 1.3)
- 5722JV1 opt 6 Dev Toolkit for Java (Version 1.4)
- 5722AC3 Crypto Access Provider 128-bit
- 5722TC1 TCP/IP Utilities
- 5722DG1 IBM HTTP Server for iSeries
- 5799PTL iSeries Tools for Developers PRPQ

(requirements for released product may be different)

Recommend the latest group PTFs

Group Number	Description	Minimum Level
SF99530	Cumulative PTF package	4153
SF99287	WEBSPHERE APP SERVER V5.0 (BASE EDITION)	3
SF99503	DB2 UDB FOR ISERIES	1
SF99269	JAVA	2
SF99099	IBM HTTP SERVER FOR ISERIES	1
SF99282	WEBSPHERE PORTAL EXPRESS/EXPRESS PLUS SERVICE PACK	2

Archive Install



Tips for a clean creation of a Workplace Instance

- Make sure the user profile used to setup Lotus Workplace has *ALLOBJ, *IOSYSCFG, and *JOBCTL
- Have a user profile with at least *USER authority that can be the owner of the workplace databases. If you have *SECADM special authority you can create the profile using the LWP HTTP Configuration Wizard
- Use a static IP address for the LWP server. Make sure the fully qualified hostname is listed in the DNS.
- Make sure the system time, date, and QUTCOFFSET are correct.

Lotus Workplace Configuration Wizard

- Simplifies Deployment of creating LWP instance

IBM Web Administration for iSeries

Setup | Manage | Advanced | Related Links

WebSphere. IBM

Create Lotus Workplace

Welcome to the Create New Lotus Workplace wizard. IBM Lotus Workplace employs a standard-based platform delivered on top of the WebSphere and J2EE™ infrastructure taking advantage of Portal technology. Lotus Workplace offers flexible server-managed client choices to deliver the right capability to different types of users in a secure, dynamic work environment. Collaborative capabilities such as sending e-mail, scheduling calendar events, taking training courses, exchanging instant messages with subject matter experts, creating and managing shared documents or discussions, holding Web conferences, and creating new workplace applications, are integrated into a single user experience. This wizard will help you create and configure the following elements that make up Lotus Workplace.

- Lotus Workplace** - Deploy and configure the collaborative products including: Team Spaces, Web Conferencing, on-line courses, Mail, Calendar, Personal Address book, Document library, Content authoring and Management.
- HTTP Server** - The HTTP server routes the incoming URL requests to the proper locations. All dynamic requests will be routed by the HTTP server to the application server, which will then display the required portlets.
- WebSphere Application Server** - The WebSphere Application Server is the engine that drives the WebSphere Portal and Lotus Workplace. This is the Web server that provides J2EE services for the Workplace environment.
- WebSphere Portal - Express** - WebSphere Portal consists of the middleware and portlets which provide the infrastructure that Workplace is built upon. A portal is a Web site that provides end users with a single point of access to Web-based resources.
- Database** - Create DB2 databases that WebSphere Portal and Lotus Workplace use as a repository for user customized pages, portal and Workplace configuration information.

Back Next Finish Cancel

Directory Consideration

- Supported LDAP Directories
 - IBM Directory Server
 - Domino Directory
 - Microsoft Active Directory 2000
 - Novell eDirectory
 - Sun ONE Directory Server

Required Steps if using Domino LDAP directory

- WMM attribute extld maps needs to map to a LDAP attribute that meets certain criteria
 - Unique value in directory
 - Value never changes
 - If entry is deleted, id is never reused
 - Fewer than 128 characters
 - Value does not contain commas
 - Value is not a DN
- By default Domino doesn't have an attribute that meets these criteria in it's schema, you need to add one

Required Steps if using Domino LDAP directory

- Modify the Domino Directory's Schema
 - Edit a copy of PUBNAMES.NTF
 - Add dominoUNID to Person, Group, Server\Certifier forms
 - “computed” field, @Text(@DocumentUniqueID)
 - Replace design of Domino Directory
- Load the new schema
 - tell ldap reloadschema
- Update Existing entries in the Domino Directory
 - Create an agent to populate the new field for all existing docs
 - Run the agent

Workplace Messaging Environment

- Configuration Options
 - Auto Provisioned Mail Accounts
 - Based on local mail domain setting and users email address
 - Customized Welcome message
 - SPAM filtering
 - Security settings
 - Relay Server
 - DNS name for mail service
 - Max size of outbound messages
 - Delete Orphaned accounts
 - Account Sizes
 - Quota Manager
 - Automatically archive deleted and expired messages

Integrating LWP into an existing messaging environment

- Smart host routing
 - Used when:
 - The recipient's e-mail address is in the local domain.
 - The recipient cannot be found in the local directory.
 - The recipient cannot be found in any directory used by a mail cell registered with the cell.
- Mail cell routing
 - Used when:
 - When there are two or more Lotus Workplace Messaging mail cells in the same domain.
 - When there are two or more mail systems in the same domain as Lotus Workplace Messaging and you want Lotus Workplace Messaging to route mail to users on other mail systems.
 - When registering a mail cell, you define the mail cell name, SMTP server in the cell, and how to look up users in the cell.
- With multiple mail cells, possible configuration scenario:
 - One cell the smart host for all other cells
 - The smart host has all mail cells defined
 - If one cell didn't know where to deliver the message, it is sent to the smart host which then routes the mail to it's final destination
 - This minimizes configuration setup and ensures local delivery in 2 hops from any of the mail cells.

User Policy Configuration

- Policies can be scoped by
 - Policy Attribute
 - Distinguished Name (DN)
- Policy Attribute offers much more flexibility
 - Could be any WMM attribute
 - Users can be moved from one policy to another by changing this attribute (like a “Suspended Mail” policy)
- Distinguished Name scoping
 - Each policy must have a unique scope that defines the set of users to which it applies
 - Wild cards are not supported except in the special case of a default user policy

Policy settings

- General options
 - Allowed Clients (browser, WCT)
 - Allow Mail
 - Allowed alternate mail clients
 - Allow Calendar
 - Allow personal address book
 - Max entries in personal address book
 - Allow document libraries
 - Allow IBM document editors
 - External Tools
 - Allow import of files
 - Allow export of files
 - Allow Workplace applications
Allow team spaces
 - Allow users to create and edit Workplace templates
 - Allow users to set Workplace template usage to all authenticated users
 - Allow instant messaging
 - Allow Web conferencing
 - Allow learning

Policy Settings

▪ Mail Options

- Send a Welcome message
- Maximum mail storage per user (MB)
- Percentage of disk space before warning
- When over quota, messages expire (days)
- Archive mail
- Automatically create mailboxes
- Allow users to create and send attachments
- Allow users to view and save attachments
- Allow users to save messages to the file system or document manager
- Allow the Chats folder (rich client)

▪ Mail Export Options

- Allow export of mail files
- Send notification to
- Number of exports to keep
- Location of export files
- Export schedule to use

▪ Rich client security options

- Signing options
- Signing options default
- Encryption options
- Encryption option default
- Options for credential creation
- Create separate signing and encryption credentials
- Submit credentials to a certificate authority
- Use self-signed credentials

Recommended way to setup policies

- Create a policy with no access
- Create your new policy
- Assign user to this new policy
- Get things working the way you want them with this policy
- Make the no access policy the default policy, and make sure your user is still working properly.
 - This makes sure the user is actually using the new policy
- The policy should be ready to use
- NOTE:
 - Caching of policy information is turned on by default for performance reasons
 - When debugging problems and setting up policies it is nice to have changes go into effect right away
 - Create a file `workplace.properties` in the `/home` directory of `QEJBSVR` and add the following properties
 - `policy.cache.enable=false`
 - `workplace.softgroup.service.cache.enable=false`
 - Restart servers after making these changes
 - Do not leave caching turned off. Turn caching back on when you are done setting things up

Workplace Rich Client Installation and Setup

- System requirements (may change)
 - WinXP
 - Win 2K SP2
 - Red Hat Enterprise Linux WS v3.0 Update1 - Kernel: 2.4.21-9, Compiler: gcc 3.2, glibc: 2.3.2
- Server install
 - Server enterprise application
 - Client files on HTTP server
- Client install
 - Download from Workplace Rich Client tab
 - Downloads to client and runs client installer
 - Connects back to server to be provisioned based on user policy settings

Agenda

- The Business Needs
- The Solution: IBM Workplace Strategy
- Product Family Positioning
- IBM WebSphere Portal
 - What is New
- Lotus Workplace
 - Workplace Client Technology
- Quiz
- Lotus Workplace iSeries / eServer i5 Implementation
- Collaboration Scenarios

Target customers for Lotus Workplace Products 2.5

- New customers that haven't purchased Collaboration, Learning, Web Content Management or Email for all users !
 - New license sales to:
 - Customers committed to J2EE/open standards
 - WAS and/or Portal upsell
 - DB2 CM upsell (natural front end to CM)
 - Domino customers that haven't bought our advanced collaboration products
 - Microsoft customers disillusioned with vendor lock-in, hidden pricing and licensing costs
 - **2.5 products are NOT** targeted to migrate existing Notes, Sametime, Quickplace, Domino Document Manager etc customers
- **CIO** who has a vested interest in reducing costs across the multiple collaboration infrastructures in place today
 - Lotus Workplace **DRAMATICALLY** simplifies how IT organizations will manage collaboration in the future
 - Focus on integration and leverage of existing directories, databases, platforms, LDAP, Domino applications, WebSphere environment
 - **LOB** executive that wants to reduce the complexity and hassles users have to go through to get the job done

The Path to Workplace *You're Already On It!*

**Notes/Domino
6.5/1**

- Single platform of core & extended products
- New portlets & sample portal pages, incl. DAP portlet
- Better integration (& support) with WPS
- Integrated Sametime support
- Domino as Workplace directory support

**Notes/Domino
7.0**

- DB2 common data store
- Notes plug-in for Workplace rich client
- Support for end to end Linux environments
- Common mail & PIM portlet support
- Hosting of web services on Domino
- Interop with Workplace IM

**Notes/Domino
7.x**

- Workplace documents integration
- Linux & Mac client support for WCT
- Improved services interop (IM, C&S, Docs, admin)

**Notes/Domino
8.0**

- Notes client on WCT - Blended client
- Optional J2EE mail and C&S services on Domino
- Admin and install integration

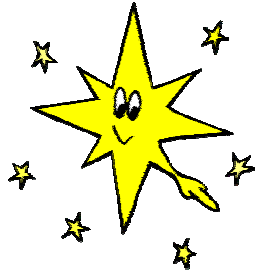
Future releases of Lotus Workplace and Notes/Domino continue

Portal is a key piece of this progression for every Notes/Domino customer

Recommend Domino Family Solutions For....

- Messaging Battles with competitors
 - ▶ Feature Domino Access for Microsoft Outlook as a way to move customers away from Exchange.
- Large Scale Deployments
 - ▶ Check product roadmaps to find out if customer deployment timeline maps to the product scalability roadmap
- Point Product Bids with Feature Checklist “Bake-Offs”
 - ▶ Sell the On Demand Workplace strategy and the IBM Workplace software story
 - ▶ Use Domino family solutions where feature checklists are the leading selection criteria.
- Customers of Notes Domino Product Family Seeking Deep Feature Parity
 - ▶ Sell more licenses of what they already like and use
 - ▶ Position On Demand strategy, IBM Workplace story for future growth
 - ▶ Sell Portal today
 - ▶ Don't set customer expectations to compare features.

Workplace Deployment Decision Tree

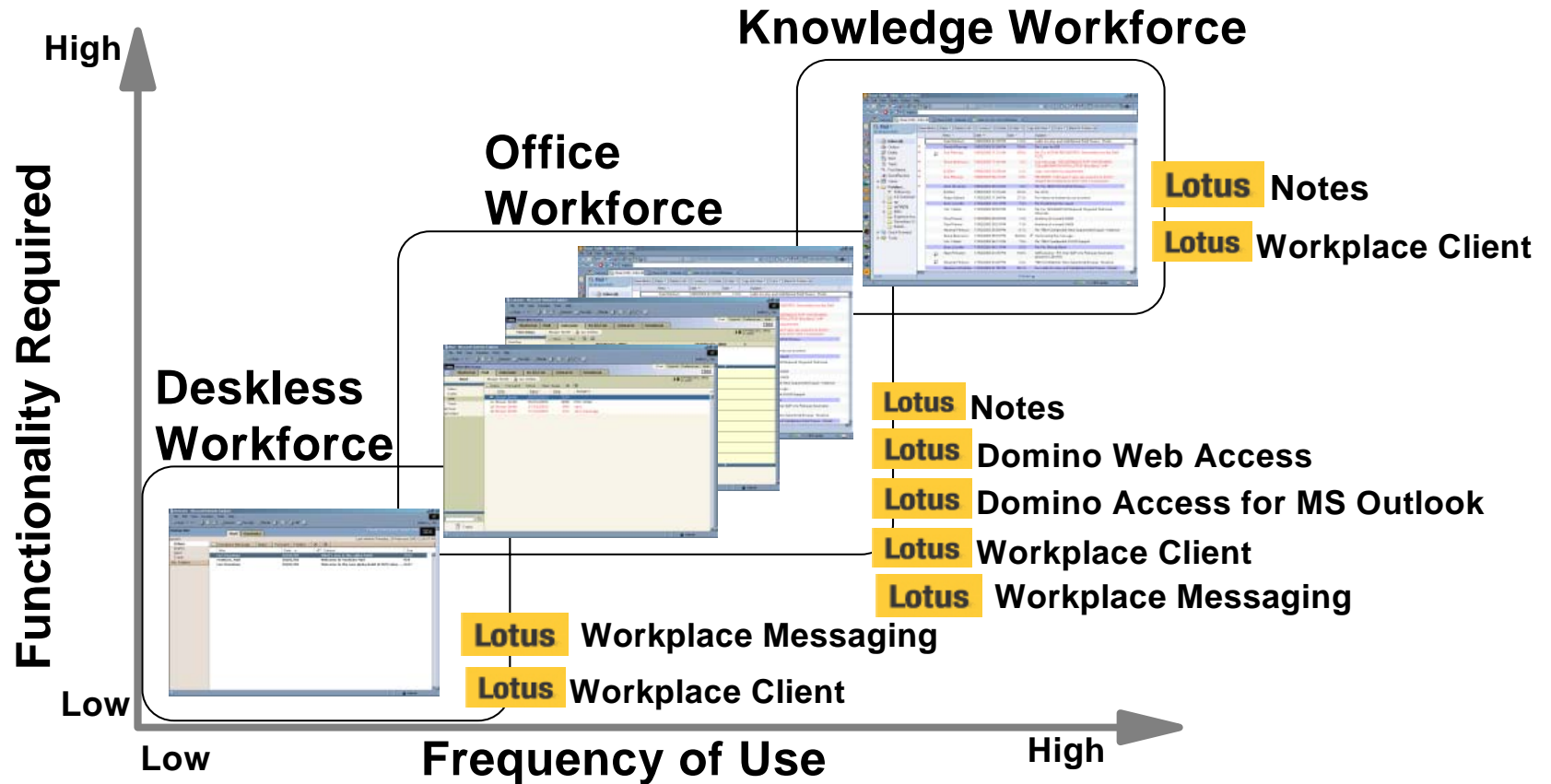


Determining Which Solution to Recommend

- **Identify Functional Needs of User Communities**
 - Examine product Roadmaps
 - Map to Workplace Deployment Roadmap or extend functionality through custom applications

- **Determine IT Priorities** for
 - Open Standards Protocols and J2EE Tooling
 - Relational Databases for Collaborative Content
 - Portal frameworks for Application aggregation, EIS integration and Web Services
 - Corporate LDAP directory
 - TCO Goals
 - Need to sustain Notes / Domino Applications

Messaging User Profiles



Recommendations for Notes IM Customers

- Continue with future releases of Notes/Domino
- Add Web Conferencing
 - ▶ Readily adds-on to existing Notes 6.5.1 IM / Presence Awareness deployments
- Add Portal into the organization for its integration benefits, and as path to Workplace
- Evaluate Workplace platform for advanced collaboration
 - ▶ Can coexist and interoperate with existing Notes / Domino based IMWC solution
- Consider Workplace for New Projects
 - ▶ Evaluate or retire underused Team Workplace
 - ▶ Replace with Lotus Workplace Team Collaboration

Recommendations for Existing Lotus Adv Collab Customers *Instant Messaging & Web Conferencing (ST) and Team Workplace*

- Continue with Existing Deployments
 - ▶ For robust advanced collaboration needs
 - ▶ For presence awareness integration in MS Office
 - ▶ Add WebSphere Portal to your environment

- Test Drive Lotus Workplace Team Collaboration
 - ▶ Use it to begin new projects
 - ▶ Prune and phase out underused Team Workplaces over time

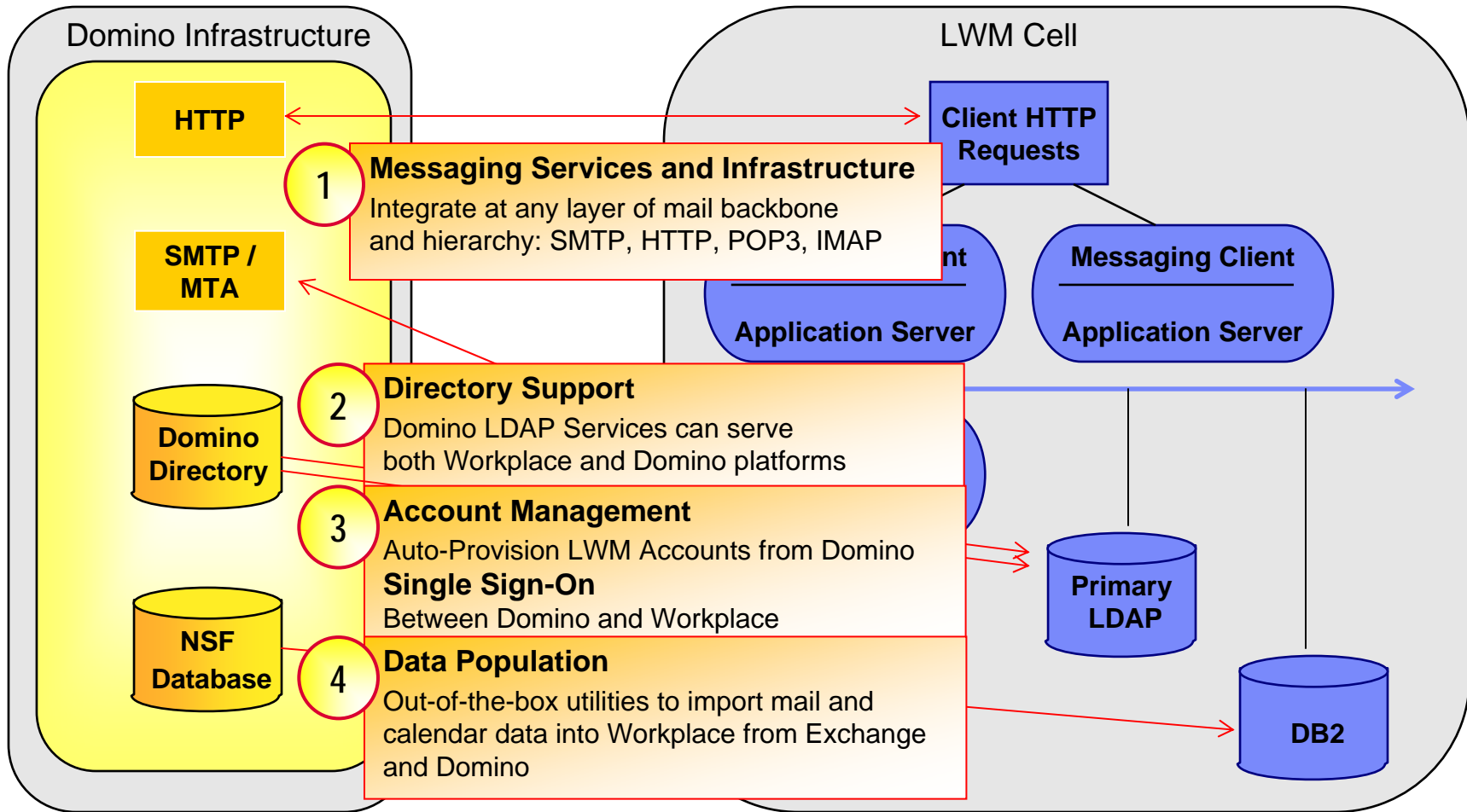
- Leverage System Coexistence and Interoperability
 - ▶ New IMA gateway lets Workplace Team Collaboration 2.0 interoperate with Domino based IM solution

Recommendations for Non-Lotus Adv Collaboration Customers

- For New, Initial Deployments
 - ▶ Start now with Lotus Workplace Team Collaboration 2.x
 - ▶ Provides customers with open standards-based solution for advanced collaboration
- For Large Scale Deployments
 - ▶ Deploy Lotus Instant Messaging and Web Conferencing 6.5.1 and Team Workplace 6.5.1
- For IM Integration with Microsoft Office Deployments
 - ▶ For presence awareness integration in Microsoft Office, continue to use Lotus Instant Messaging and Web Conferencing
- For Mixed Environments
 - ▶ Domino and Workplace Based Solutions can coexist
 - ▶ New IMA gateway lets Workplace Team Collaboration 2.0 interoperate with Domino based IM solution

Investment Protection

Domino and LWM Coexistence and Interoperability Scenarios



Recommendations for WebSphere Portal Users Requiring Team Collaboration

- Determine Feature Requirements
 - ▶ For Instant Messaging and Team Workspaces use WebSphere Portal Express Plus or Extend
 - ▶ For Web Conferencing: Use Domino or Workplace Collaboration
- For Immediate Large Deployments
 - ▶ Lotus Instant Messaging and Web Conferencing 6.5.1 and Team Workplace 6.5.1 for immediate collaboration needs
- For New Projects
 - ▶ Begin new projects in Lotus Workplace Team Collaboration
- For Compatibility with WebSphere Portal 5.1
 - ▶ Use Domino- based solution
 - ▶ Workplace 2.x pre-reqs WPS 5.0.2.1
- Test in Coexistence Environment
 - ▶ Domino and Lotus Workplace-based solutions can deploy in a coexistence environment
 - ▶ Leverage IMA Gateway for IM interoperability

Application & App Dev Skills Planning

- Do Now
 - ▶ Analyze current application environment, inventory applications.
 - ▶ Web enable key N/D applications in order to use Domino Application Portlet
 - ▶ Plan for N/D 7 deployment
 - ▶ Plan on piloting Notes client plug-in tech preview as part of N/D 7
 - ▶ Begin to develop technical expertise in portal, J2EE, WSAD and DB2

- Plan on doing shortly...
 - ▶ Notes client applications - use the Notes plug in (Windows(7.0) /Linux (7.01)/Mac(post 701)) for the Workplace Client.
 - ▶ In the 2.5 timeframe the plug in will help w/ apps but the mail component of the WP client will not meet the needs of today's Notes user.
 - ▶ In Notes 8 timeframe an option would be to have Notes mail UI and a Workplace Client mail UI
 - ▶ Consider the tools and developer skill level in your organization, along with the most appropriate platform choice for the application.

3 Corner Stones

- Each cornerstone Lotus product fulfills distinct customer needs
 - ▶ **Domino** - Established, well-known app development and messaging system
 - ▶ **Portal** - Innovative way to integrate apps running on a variety of systems
 - ▶ **Workplace** – Build vertically-integrated, collaborating apps on a portal base

- “Blended” Domino / Portal / Workplace apps will be very common
 - ▶ The appdev mix is based on a customer’s specific business needs
 - Varies from customer to customer
 - Will vary over time

- Domino plays a long-term role in IBM’s plans
 - ▶ Will be p enhancements, new tools, etc. for years and years to come
 - ▶ We are committed to preserving and enhancing your Domino investment

Lotus Workplace extends Notes/Domino investments

- Domino is a key **content and application provider** for Workplace
- Domino products **co-exist** and **interoperate** with Workplace
- Domino **skills sets** and **license investments** carry forward to Workplace
- Upcoming Domino product investments **evolve** customers to Workplace at their own pace

Additional Resources

■ **The Campus for more education:**

- **BPs:** <http://www.ibm.com/partnerworld/sales/systems/education>
 - Includes link to IBM PartnerWorld University (Web lectures for key topics)
 - <http://www.ibmweblectureservices.ihost.com/pwu>
- **IBMers:** w3.ibm.com/sales/systems/education
 - Includes links to the Online Universities for Cross-Brand and each Brand (Web lectures for key topics)
- **Customers:** www-1.ibm.com/servers/eserver/education

Trademarks

The following are trademarks of the International Business Machines Corporation in the United States and/or other countries. For a complete list of IBM Trademarks, see www.ibm.com/legal/copytrade.shtml: AS/400, DBE, e-business logo, ESCO, eServer, FICON, IBM, IBM Logo, iSeries, MVS, OS/390, pSeries, RS/6000, S/30, VM/ESA, VSE/ESA, Websphere, xSeries, z/OS, zSeries, z/VM

The following are trademarks or registered trademarks of other companies

Lotus, Notes, and Domino are trademarks or registered trademarks of Lotus Development Corporation
Java and all Java-related trademarks and logos are trademarks of Sun Microsystems, Inc., in the United States and other countries
LINUX is a registered trademark of Linux Torvalds
UNIX is a registered trademark of The Open Group in the United States and other countries.
Microsoft, Windows and Windows NT are registered trademarks of Microsoft Corporation.
SET and Secure Electronic Transaction are trademarks owned by SET Secure Electronic Transaction LLC.
Intel is a registered trademark of Intel Corporation
* All other products may be trademarks or registered trademarks of their respective companies.

NOTES:

Performance is in Internal Throughput Rate (ITR) ratio based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput improvements equivalent to the performance ratios stated here.

IBM hardware products are manufactured from new parts, or new and serviceable used parts. Regardless, our warranty terms apply.

All customer examples cited or described in this presentation are presented as illustrations of the manner in which some customers have used IBM products and the results they may have achieved. Actual environmental costs and performance characteristics will vary depending on individual customer configurations and conditions.

This publication was produced in the United States. IBM may not offer the products, services or features discussed in this document in other countries, and the information may be subject to change without notice. Consult your local IBM business contact for information on the product or services available in your area.

All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

Information about non-IBM products is obtained from the manufacturers of those products or their published announcements. IBM has not tested those products and cannot confirm the performance, compatibility, or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

Prices subject to change without notice. Contact your IBM representative or Business Partner for the most current pricing in your geography.

References in this document to IBM products or services do not imply that IBM intends to make them available in every country.

Any proposed use of claims in this presentation outside of the United States must be reviewed by local IBM country counsel prior to such use.

The information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.