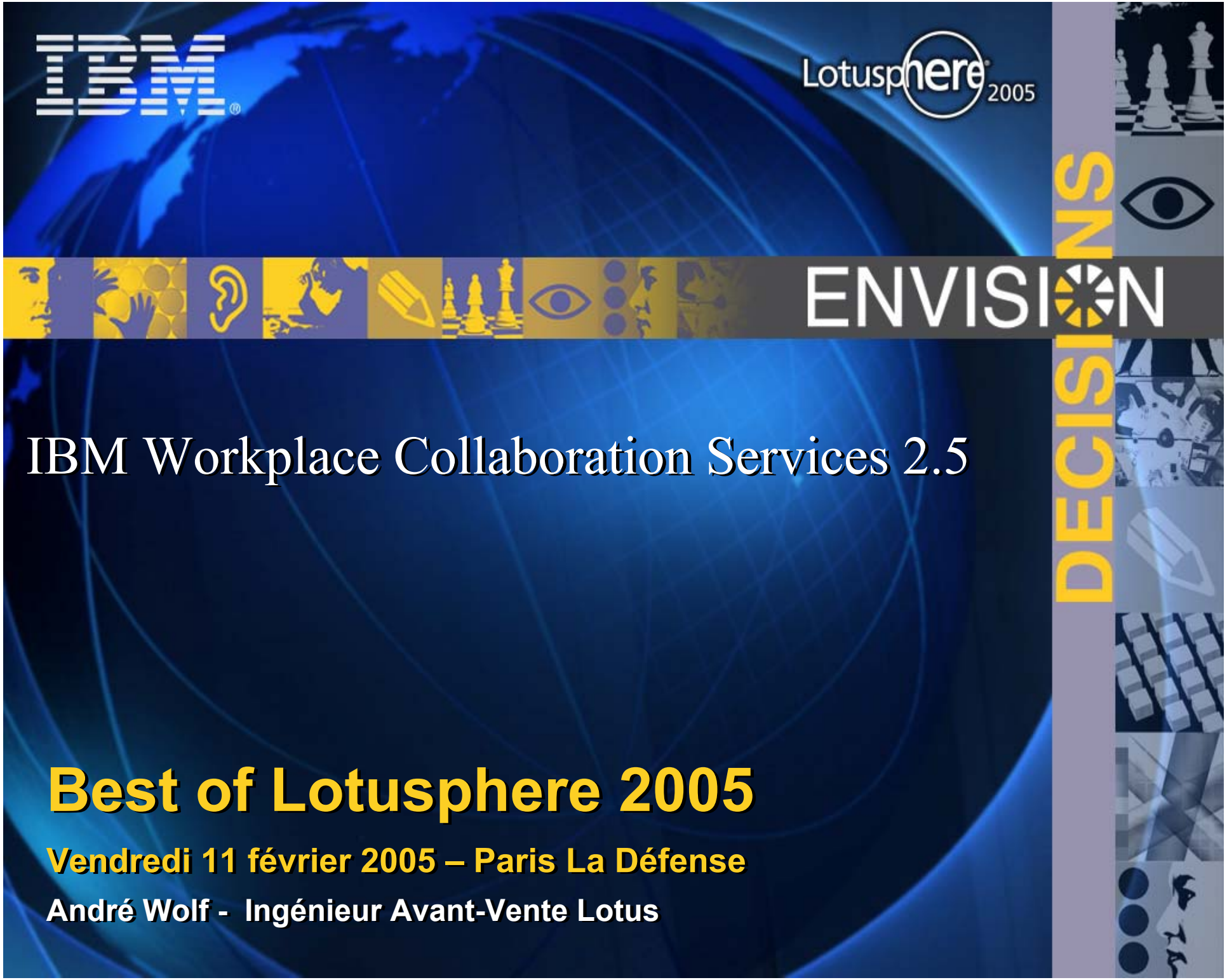
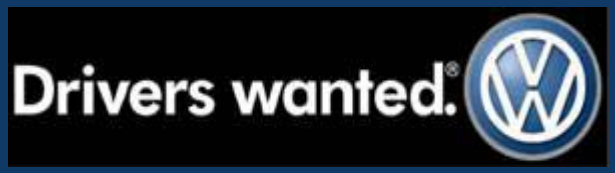

IBM
Lotusphere 2005
ENVISION
DECISIONS
IBM Workplace Collaboration Services 2.5
Best of Lotusphere 2005
Vendredi 11 février 2005 – Paris La Défense
André Wolf - Ingénieur Avant-Vente Lotus

Agenda

ENVISION DECISIONS

- Why IBM Workplace
- IBM Workplace Collaboration Services:
  - Capabilities
  - Deployment
- Conclusion

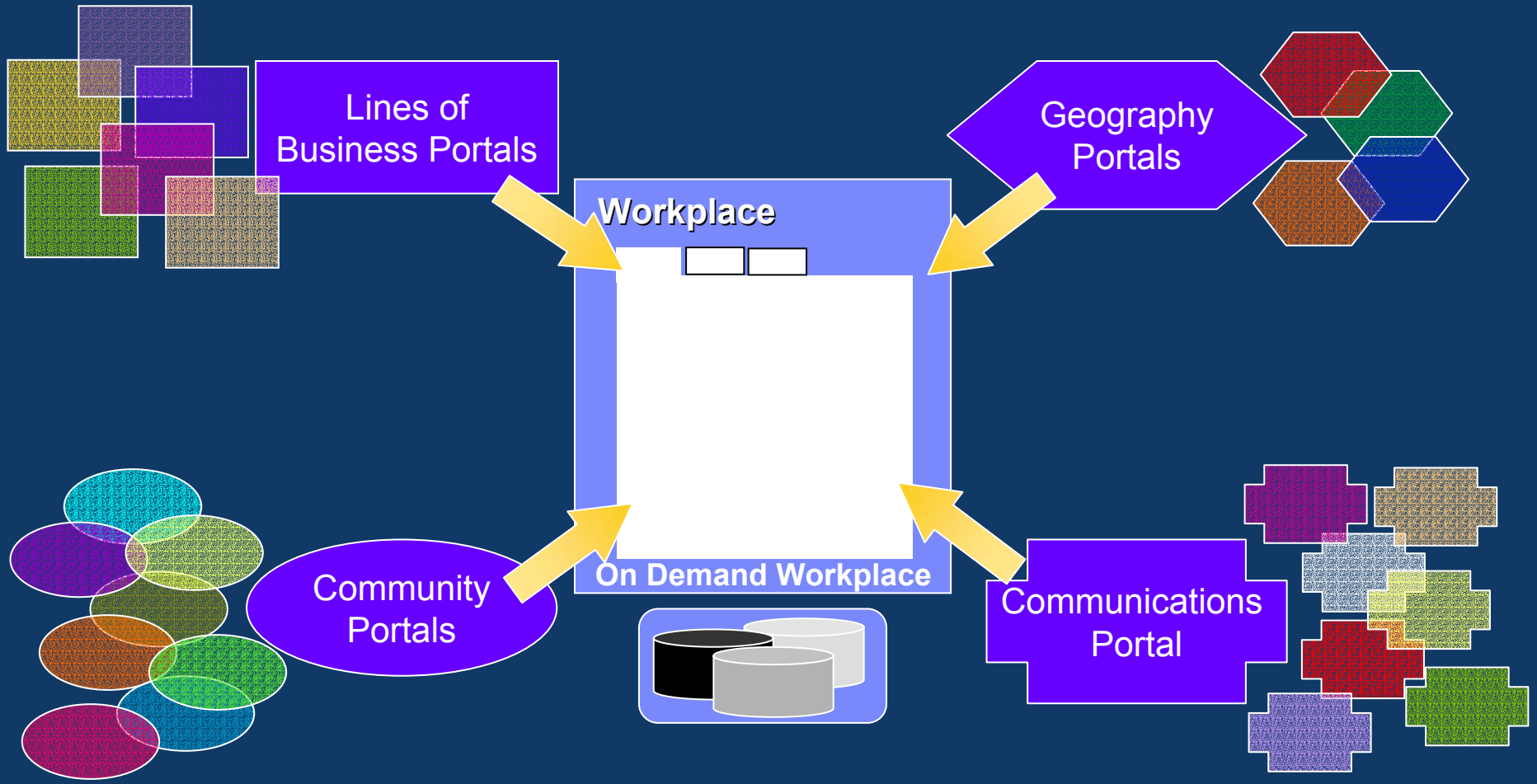
Volkswagen



"Today, 70% of the time of our people is spent by analyzing, searching information and only 30% by making intelligent decisions. We want to flip the ratio 70/30, by providing 70% of intelligent and analytical time decision making and only 30% of administrative work."

— Dr. Martin Hofmann
Exec. Director, Group Supply Strategy
Volkswagen AG

The IBM vision is to move from unit portals & standalone applications to a single workplace



Introducing IBM Workplace Collaboration Services

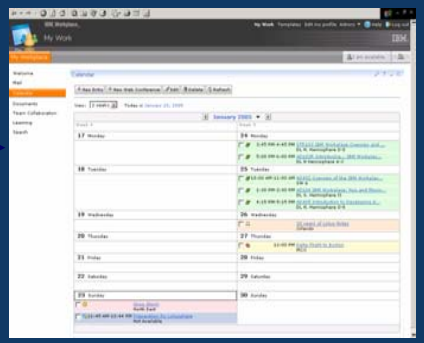
The Product for Everyday Collaboration

ENVISION DECISIONS

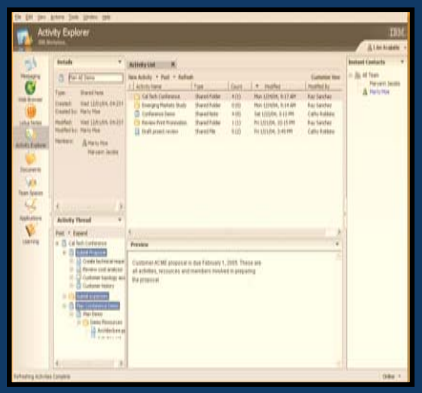
A single product providing a range of fully integrated ready-to-use communication and collaboration tools that enable people to do their jobs more effectively – anytime, anywhere.

Workplace Collaboration Services

Mail/Calendar
Instant Messaging
Presence awareness
Team spaces
Web conferencing
Learning
Web content management
Document management
Document editors
Workplace APIs
Templates
Forms
Activity explorer
Etc…….



Access via Web browser



Access via Workplace Rich Client

Pre-reqs
Workplace Client Technology

Access via Workplace Mobile Client

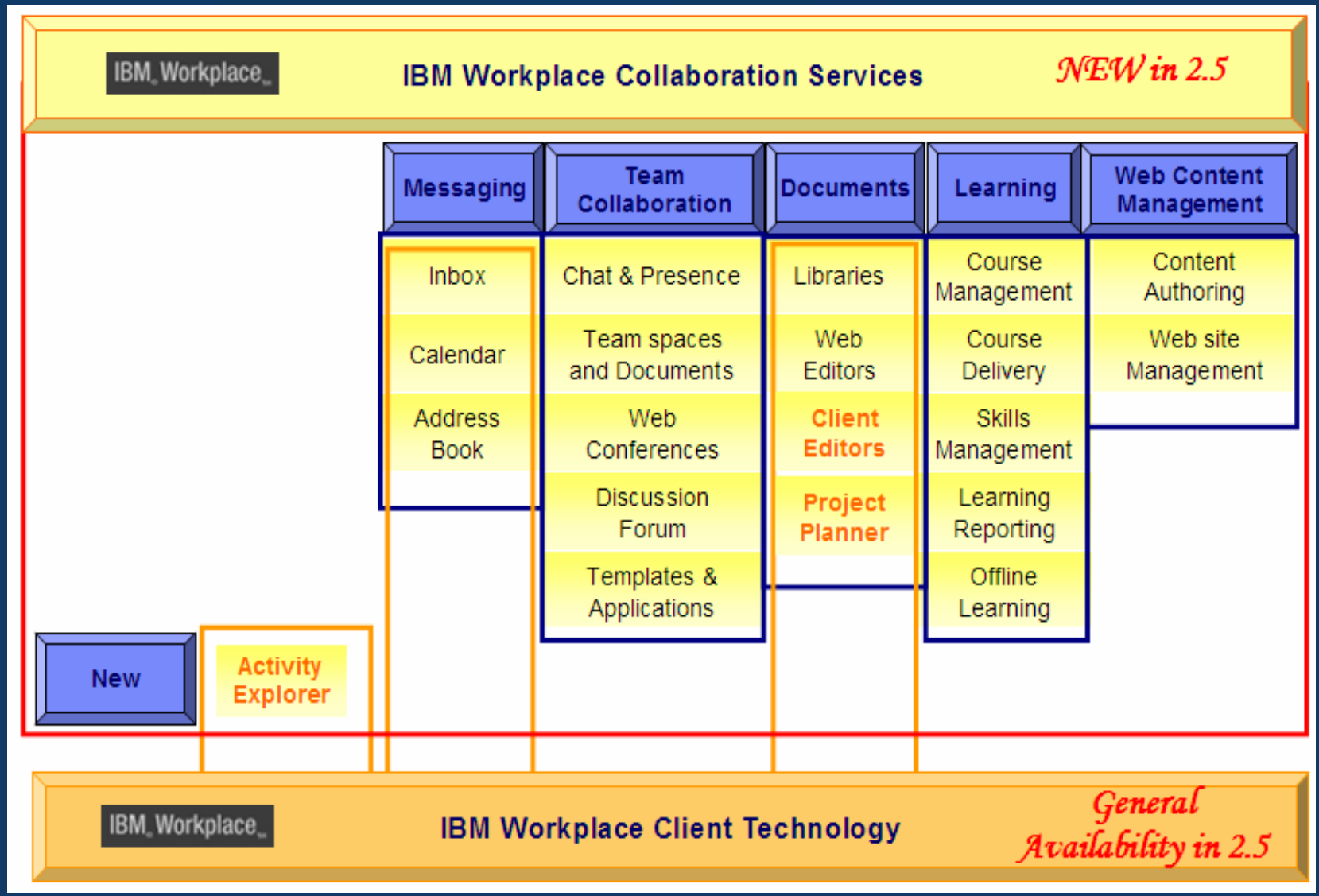
Available in future release
Currently Tech Preview

Planned for 31th March 2005 availability

IBM

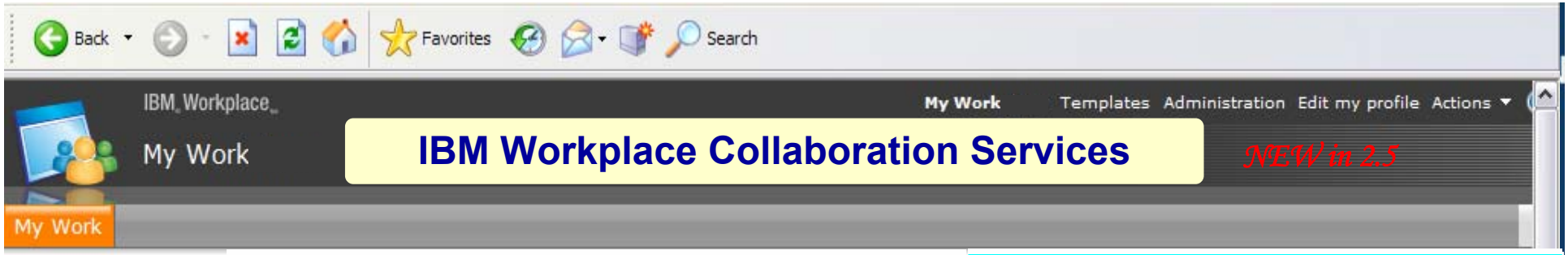
Lotusphere 2005

IBM Workplace Collaboration Services - Overview



Agenda

- Why IBM Workplace
- IBM Workplace Collaboration Services:
  - Capabilities
  - Deployment
- Conclusion



IBM Workplace Collaboration Services

NEW in 2.5

What is this offering ?

1. **A rich collaborative environment**
   - Provides a set of tools for different types of collaborations: ad-hoc, activity-centric, team, formal
   - Intuitive and consistent role-based user interface
   - Central management and provisioning of end users' environments reduce administration costs
2. **A Portal-based interface for integrating applications**
   - Ex: Domino-based apps., with browser or rich client

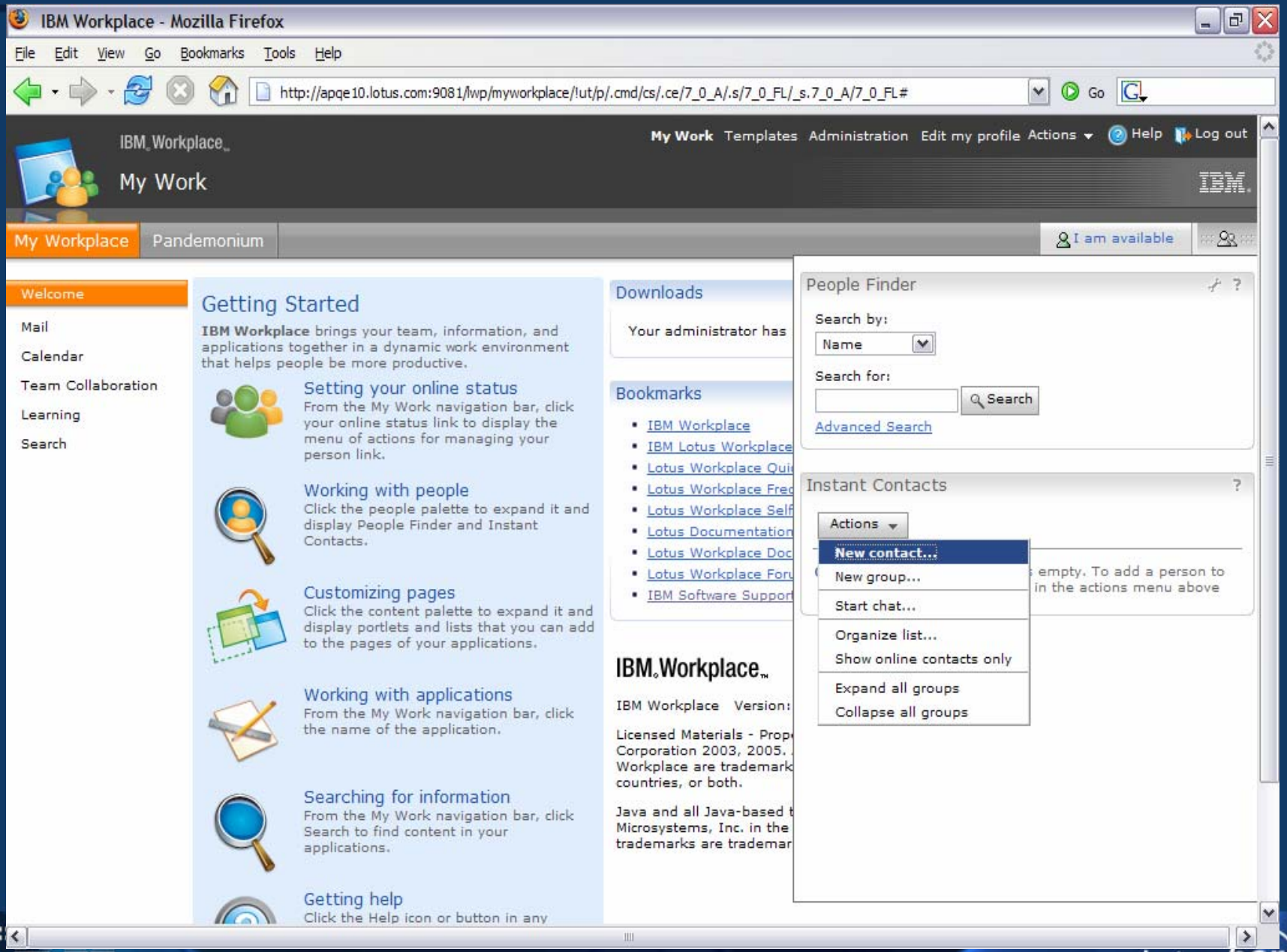
Key Features

1. **Team Collaboration**
2. **Document Management**
3. **Messaging**
4. **Learning**
5. **Web Content Management**
6. **Centrally managed, easy to use, user management**
7. **Integrates with rich client (additional purchase)**
   - Offline use and synchronization with server stores increase productivity
   - Mobile access for email and calendar (preview)
8. **Common infrastructure**
   - Easy "Archive" installation for speedy deployments
   - Platform independence to optimize investments

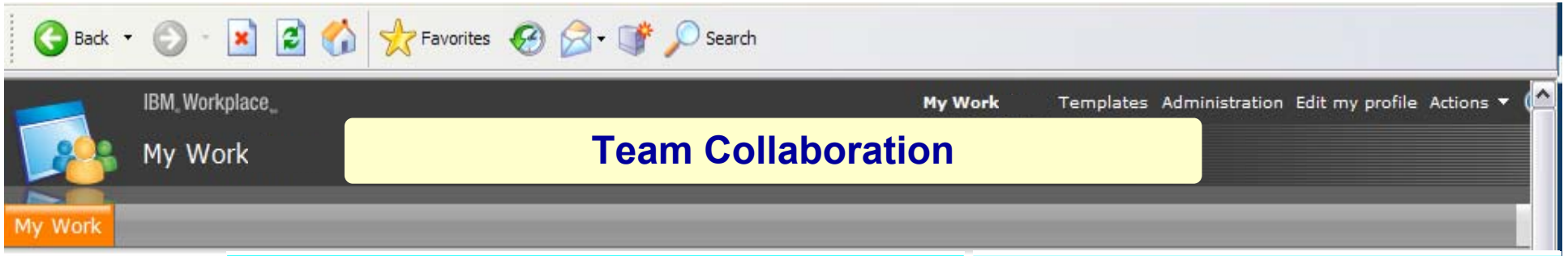
New in the 2.5 release

1. **User Interface enhancements**
   - Multiple skins & themes for a better selection of user interfaces
   - Quickly customize pages with drag & drop
   - Fly-out controls (instant contacts) for a cleaner layout and speedy launch
   - Application launcher for the rich client
2. **New platforms**
   - iSeries (OS/400) and Sun Solaris
   - MS SQL Server 2000. MS AD 2003
3. **Speedy and simple installation**
   - "Archive" installation saves time for IT and enhances reliability
4. **Performance enhancements**
   - Currently scales to department sizes
5. **Activity Explorer (requires rich client)**
   - Activity & process centric collaboration
   - Merges collaboration "objects" in one central place
6. **Data Access tool (requires rich client)**
   - Create custom database-based applications with forms, views and reports
7. **Notes Application Plug-in for rich client**
   - Run native Notes applications in rich client
8. **Microsoft integration**
   - Document library and editors

Workplace collaboration services layout



ENVISION DECISIONS
IBM
Lotusphere 2005



Welcome
Team Collaboration
Documents
Messaging
Learning
Web Content Mgmt.
Search

What is this set of capabilities ?

1. **Integrated synchronous & asynchronous collaboration based on J2EE architecture**
   - Ad-hoc collaboration (Instant Messaging)
   - Team collaboration (Team Spaces)
2. **Part of a larger collaboration platform**

Key Features

1. **Presence & Instant Messaging**
   - Live names, contact lists, multi-way chatting
   - Based on SIP/SIMPLE standard for easier integration
2. **Web Conferences**
   - Share presentations and files (e.g. MS Office), URLs and screens
   - Edit the agenda, invite attendees, download files
3. **Team Spaces**
   - Self-service web site creation, based on templates that can contain discussion forums (with categories, and optional moderation), task lists, persistent chat rooms, team calendars with web conferencing integration, and, collaborative document management
   - Membership management & access control
4. **Editing application templates and forms**
   - Self-service tool for power users to create and edit templates and forms, to build custom applications, that can better meet their business needs

New in Team Collaboration 2.5

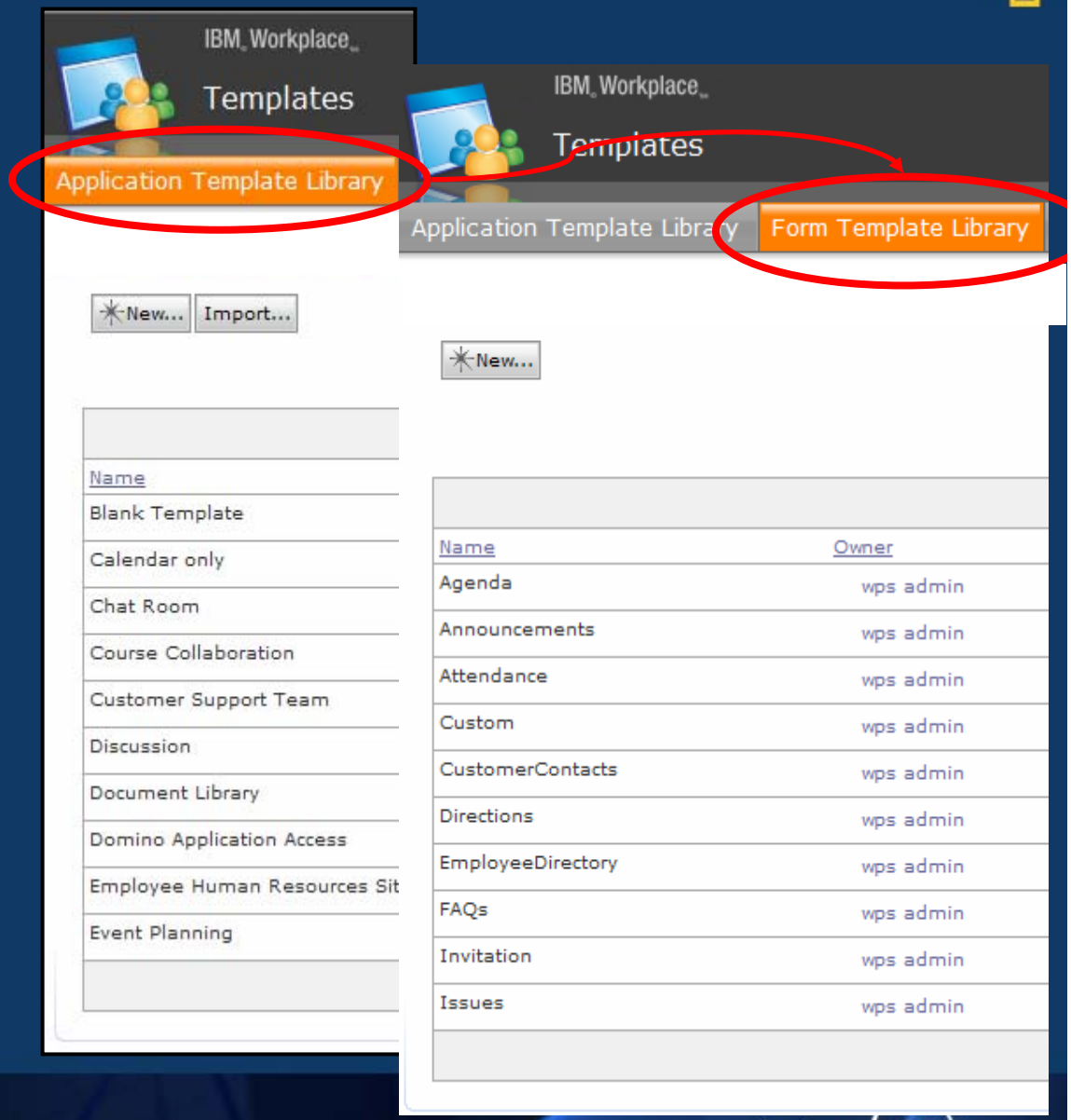
1. **More Team Space templates**
   - Ex: Customer support, Event planning
   - … or create new custom apps with your own fields and views to meet your needs
2. **More "built-in" portlets**
   - Built-in portlets (FAQ's, milestones, issues, etc..) are building blocks for rich applications
   - Can be customized to meet your needs
3. **Enhanced navigation**
   - Streamlined creation of team spaces
4. **Document management enhancements**
   - MS Office and MS Windows integration

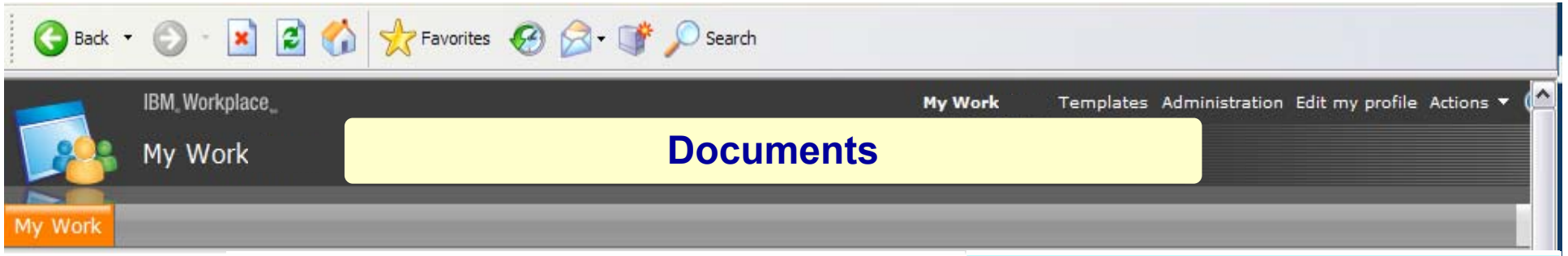
Integration points for collaboration

1. **IM gateway for integration with Sametime**
   - Chat with non-Workplace users
2. **Other Workplace applications are enabled for presence and chat**

Templates

- Templates allow you to customize and roll-out rich applications for specific constituencies
  - Simple browser-based design provides flexibility and rapid application deployment
  - Consistency: deployed applications are based off templates
- Design new applications that meet your users' needs:
  - Use out-of-the-box templates:
    - **Applications**: Event Planning, Sales Team, Marketing Team, HR Team, Customer Support Team, Employee HR Site
    - **Forms**: Agenda, Announcements, Attendance, Custom, Customer Contacts, Employee Directory, FAQ's, Invitations, Issues, Links, Milestones, Minutes, Prospects, Sales Tracking, Sign-up Sheet, Survey, Vacations
  - Or create your own custom templates for applications and forms





What is this set of capabilities ?

1. **A standards-based document management system with core document library services and integrated collaborative capabilities**

2. **Enhanced features with rich client**
   - Productivity tools (documents, spreadsheet, etc..)
   - Offline use and synchronization of document libraries with the server

Key Features

1. **Document management**
   - Document lifecycle: check-in/out, versioning, drafts
   - Nested document libraries with custom views and folders for better organization of documents
   - Set up library memberships and document access rights for a secure repository
   - Import MS Office documents
   - Cross library document searches
2. **Productivity tools**
   - Compose/edit documents with editors (word processing, spreadsheet, presentation)
3. **Optional server-managed client capabilities:**
   - Dynamic client provisioning, configuration & upgrade
   - Offline capability with server synchronization
   - Rich document editors are available when original application is not available
   - Drag-and-drop documents from file system to a secure managed document repository

New in Documents 2.5

1. **MS Windows Explorer integration with document libraries**
   - Use a familiar interface
2. **File Menu integration for MS Office**
   - Blends Workplace into the users' familiar environment
3. **New Productivity tool: Project Planner**
   - A new tool to enable tracking & reporting of project data with a Gantt chart view
   - Integrates with MS Project

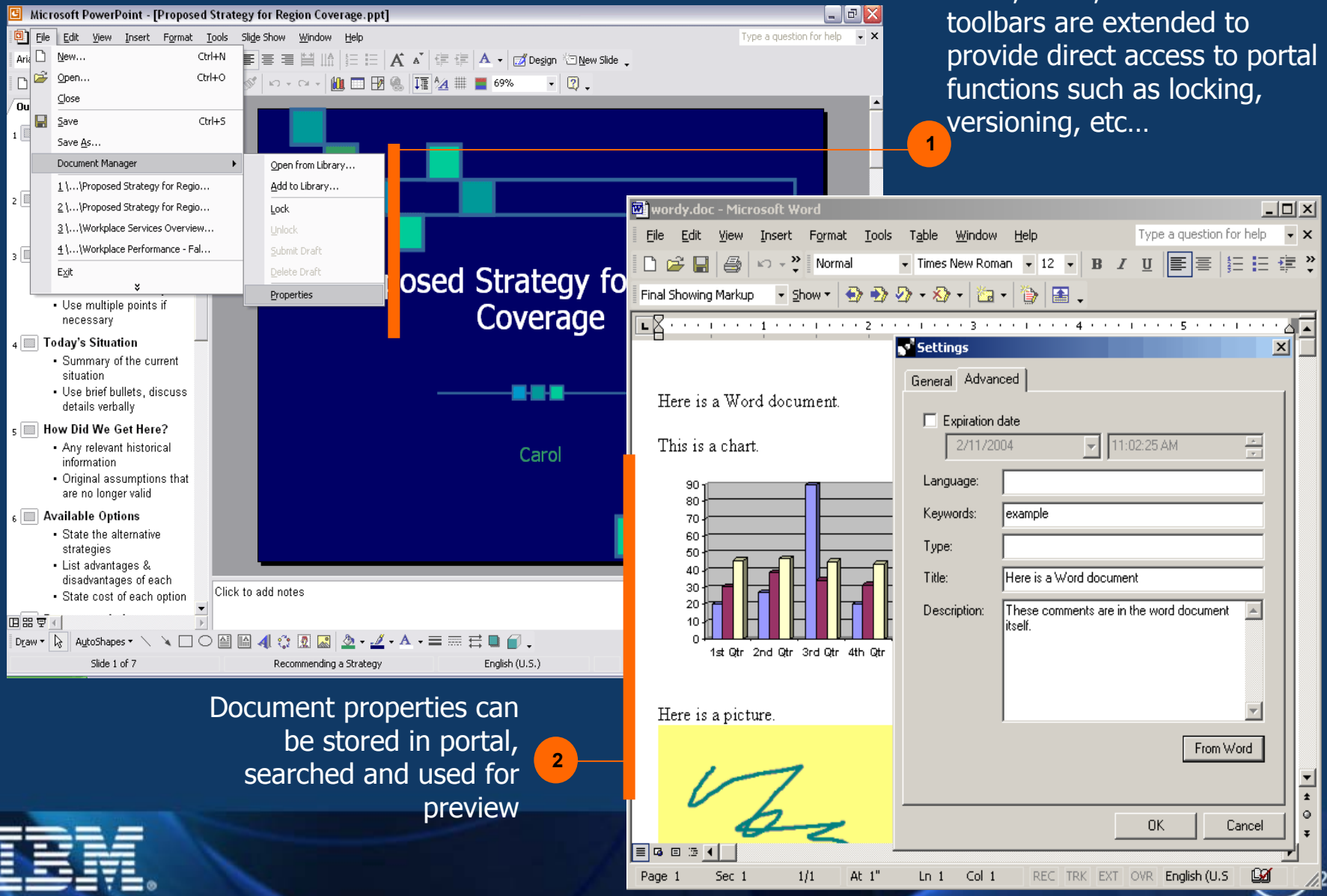
Integration points for collaboration

1. **Enabled for presence and IM**
   - Instant collaboration with document authors and editors

2. **Comments on documents**
   - Promote quality of repository, keep track of changes and requests

3. **Save mail and mail attachments directly into document libraries**
   - Facilitate mail archival and promote reuse of information
   - Reduce file sizes

Microsoft Office Integration



1

Word, Excel, and PowerPoint toolbars are extended to provide direct access to portal functions such as locking, versioning, etc...

2

Document properties can be stored in portal, searched and used for preview

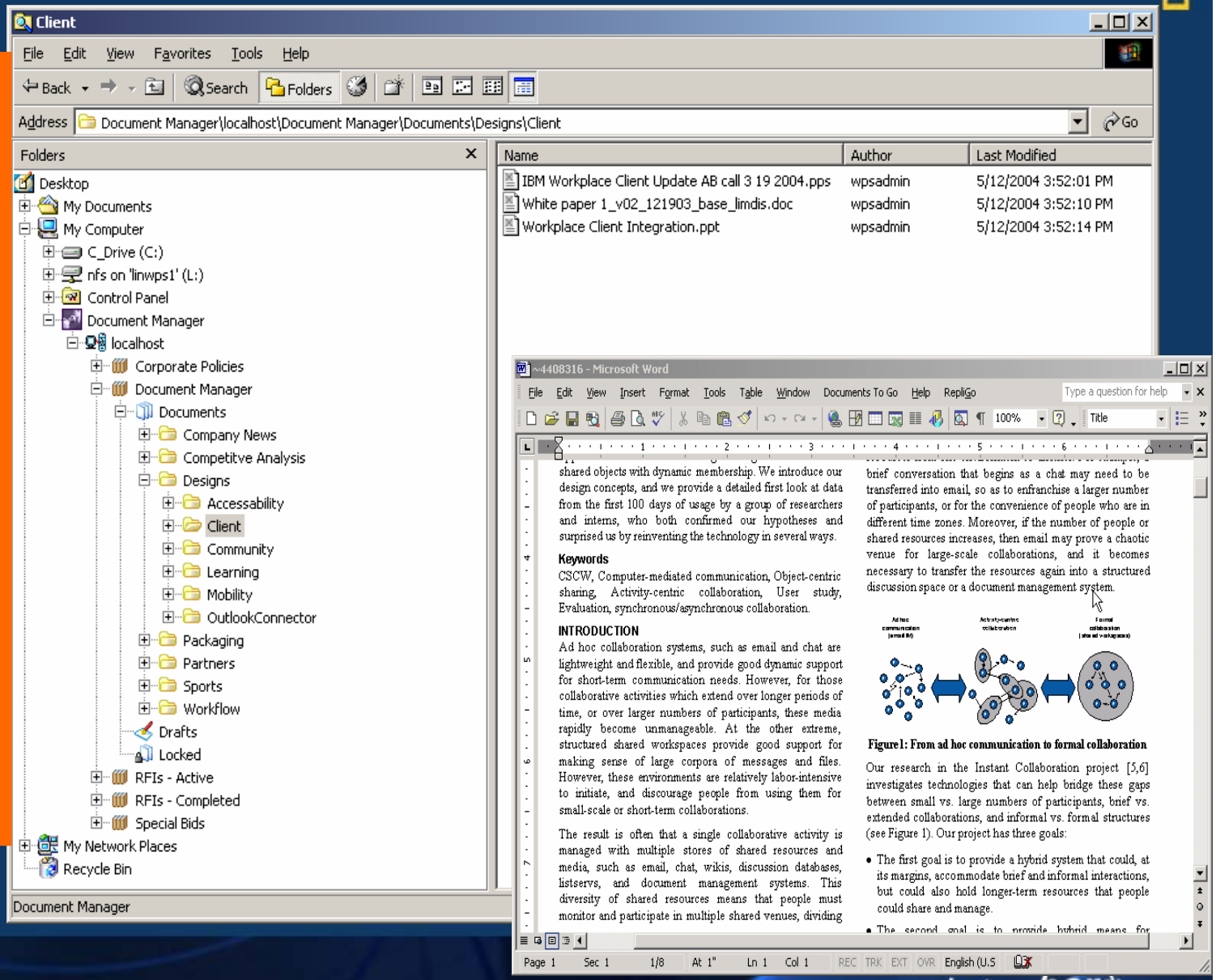
Desktop Integration

ENVISION DECISIONS

Windows Explorer extension lets you work with server documents as if they were local files

1

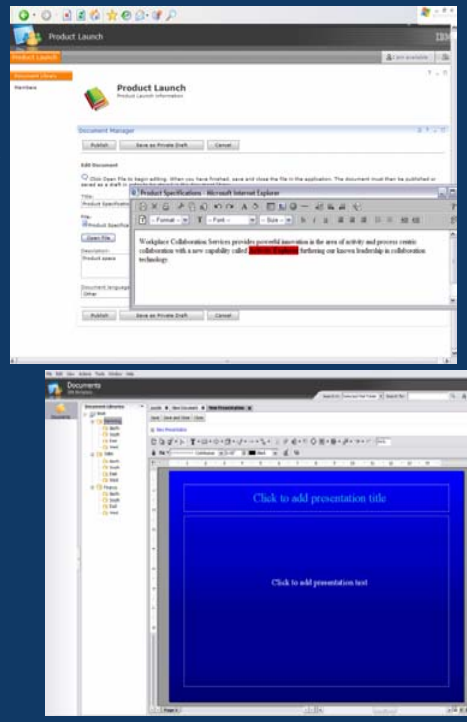
Files are automatically stored back on the server after being saved in Windows applications



Productivity Tools

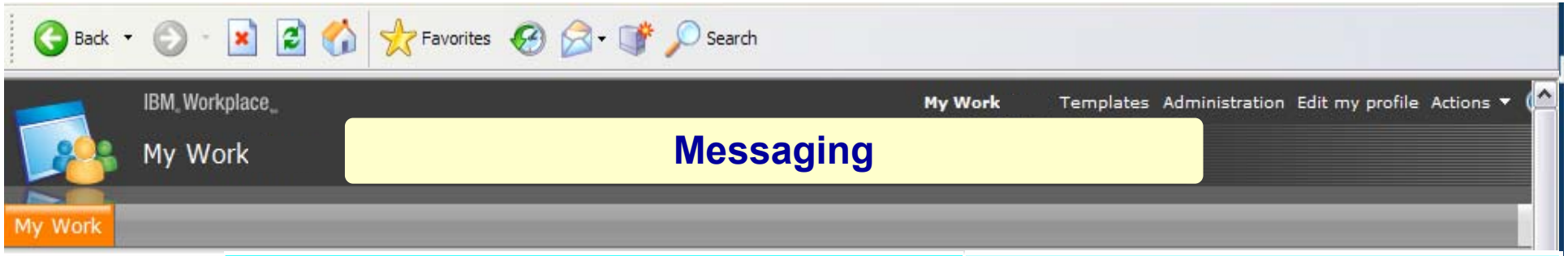
ENVISION DECISIONS

- Browser-based editors
  - Lightweight applications:
    - Word Processing editor
    - Spreadsheet editor
    - Presentation editor
  - Inline viewing of many file types and convenient editing of MS Office files:
    - Not a substitute to traditional productivity applications
    - Saves costs and provides better integrated end-user experience



- Rich client editors
  - Full feature applications requiring Workplace Client Technology (WCT):
    - Word Processing editor
    - Spreadsheet editor
    - Presentation editor
    - Project Planner
  - Provide rich and robust functionality of, and, compatibility with MS Office
    - A real alternative to traditional productivity software
    - With the benefits of a centrally managed client

Editors in WCS release 2.5	Web-Based Editors		Rich-client Editors	
	Can read MS Office formats ?	Can save as MS Office formats ?	Can read MS Office formats ?	Can save as MS Office formats ?
Documents	Yes	No	Yes	Yes
Presentation	Yes	No	Yes	Yes
Spreadsheet	Yes	Yes	Yes	Yes



- Welcome
- Team Collaboration
- Documents
- Messaging
- Learning
- Web Content Mgmt.
- Search

What is this set of capabilities ?

1. **A standards-based, lightweight, easy-to-use messaging system**
   - Provides core messaging features
   - Includes built-in collaboration (e.g. presence, web conferencing, archival of emails)
2. **A messaging solution for un-served users**

Key Features

1. **Messaging**
   - Compose, reply, forward, print emails
   - Priority, delivery confirmation, signatures, etc…
   - Nested folders for better mail organization
2. **Calendar**
   - All event types (appointments, meetings, reminders, all-day events, anniversaries)
   - Individual or repeating events
   - Global calendar formats for international users
   - C&S workflow for approvals/rejections.
3. **Address Book**
   - Personal names and groups, selection from Directory
4. **Support for Rich client & Mobile client (preview)**
   - Key capabilities exposed through other clients
   - Note: requires additional purchase

New in Messaging 2.5

1. **Messaging: SPAM filtering & Junk mail**
   - SPAM user voting and smart filtering provide for increased efficiency and productivity
2. **UI Enhancements**
   - Attention indicators & mail threading for an even more intuitive rich client interface
3. **Database partitioning on DB2 & Oracle**
   - Overcome database size limitations
4. **Support for pervasive devices**
   - Use Workplace anywhere (requires additional purchase) = **tech preview** !

Integration points for collaboration

1. **Enabled for presence and IM**
   - Chat with your mail correspondents for speedier communication
2. **Mail archival**
   - Archive your mail and attachments into document libraries to save space and promote reuse
3. **Web conference integration**
   - Launch a web conference from your calendar

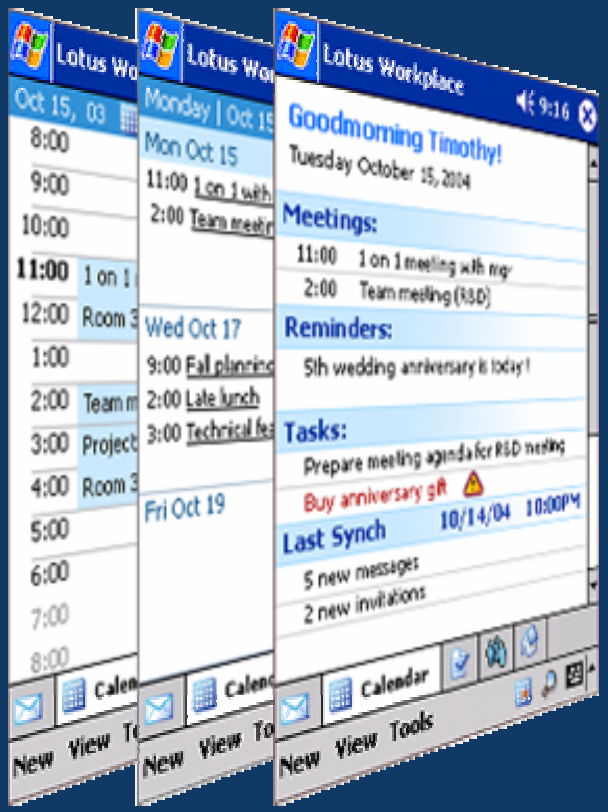
Workplace Mobile Client (Tech Preview)

ENVISION DECISIONS

Mail

- Act on your email
- Stylus tapping optimized

Calendar



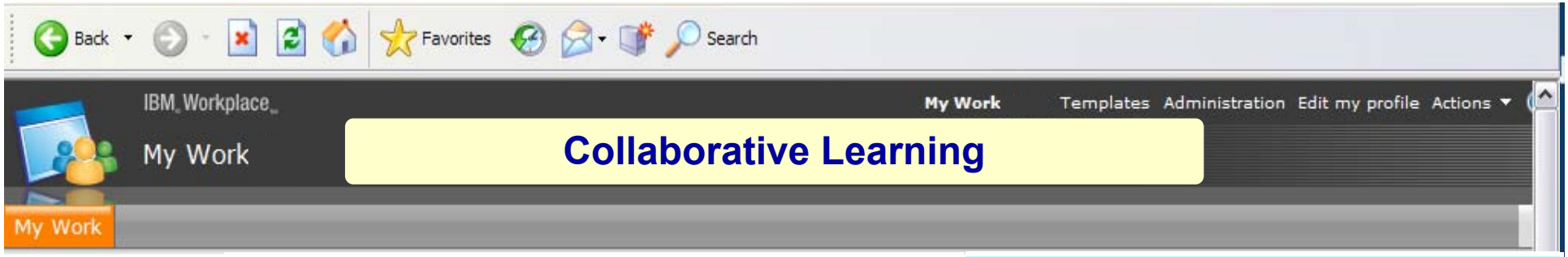
- Multiple calendar views
- Manage your calendar

Contacts/IM/ Presence

- Address and phone book
- Live names
- Instant messaging
- 'Quick text'

IBM

Lotusphere 2005



What is this set of capabilities ?

1. **Learning capabilities to enhance Workplace & Portal applications**
   - Ex: Pre-req. messaging course for roll-out of email
   - Ex: Include Sox-related courses for Workplace Business Control and Reporting
2. **A complete learning solution** supporting self-paced, collaborative & classroom-based courses

Key Features

1. **Course Catalog that supports blended learning**
   - Delivery of online courses
   - Schedule classroom-based courses with resources
   - Curricula and certifications
2. **Embed Learning information in other applications**
   - Ex: Recommended courses
3. **Collaboration capabilities**
   - Course discussion areas & document sharing
   - Course calendaring and web conferencing
4. **Report generation**
   - Multiple outputs, schedule reports, email distribution
5. **Course authoring**
   - Tests, quizzes, surveys, learning objects
6. **Skills management**
   - Skills dictionary, individual learning plans

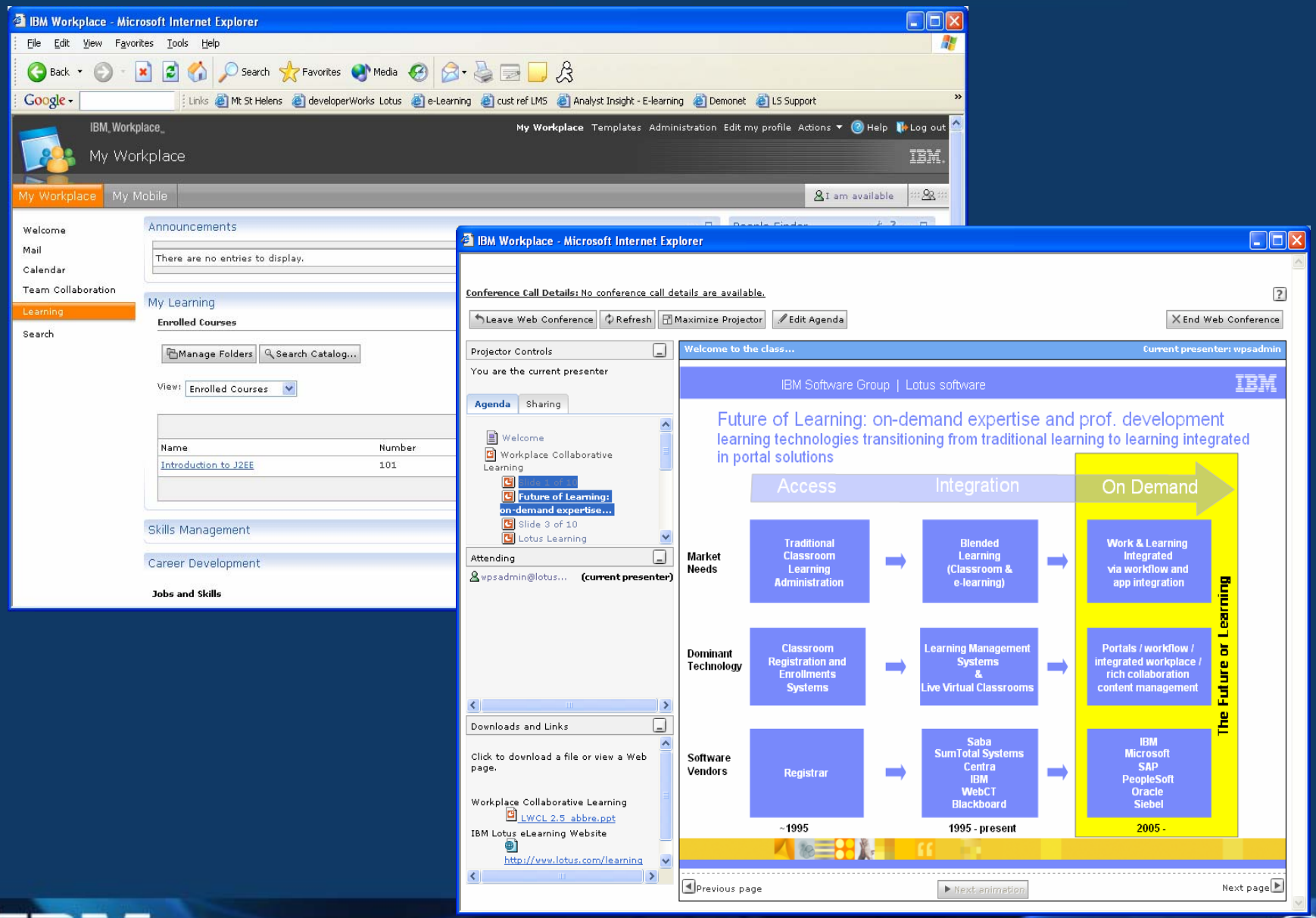
New in Learning 2.5

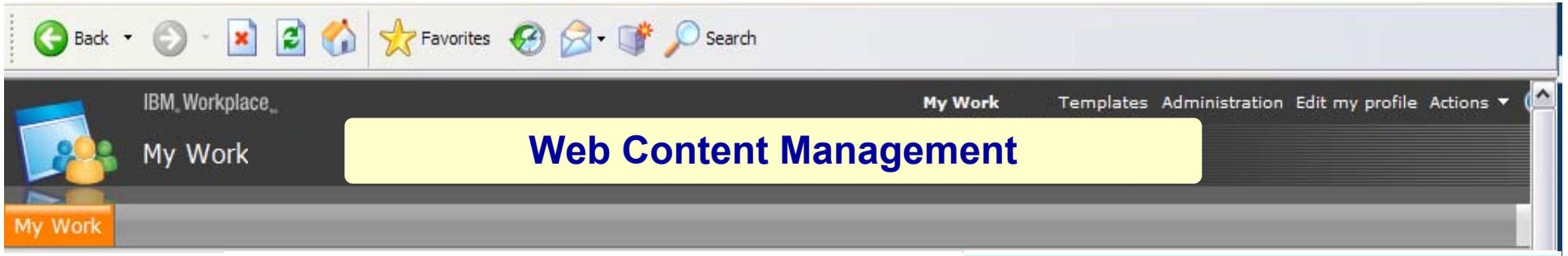
1. **Course Collaboration template**
   - Promote collaboration between course participants: questions for instructors and experts, discussions to develop new best practices, keep track of tasks and milestones, schedule ad-hoc live sessions
2. **New web service API's to automate external processes**
   - Integrate with ERP systems to retrieve information (e.g. courses) or update user profile and course information

Integration points for collaboration

1. **Enabled for presence and IM**
   - Chat with instructor and students
2. **Collaboration tools available to support courses & tie to communities**
   - Course announcements and outline, discussion forums, tasks, document management, course/team calendars, and web conferences
3. **Email and calendar integration**
   - Course events added to calendar

Course enrolment





What is this set of capabilities ?

1. **A system to author, manage and deliver web content**
   - Manage intranet, internet, extranet sites
   - Integrates collaborative documents (emails, chats, office), rich media and document images
2. **Web Content Management is also available on native Portal and Domino**

Key Features

1. **Author web content**
   - Template-based content authoring with WYSIWYG rich text editor to easily create content
2. **Manage web site**
   - Versioning and roll-back for restoring or creating different versions for multiple uses (e.g. based on date)
   - Integration of information from multiple sources
3. **Publish web content**
   - Workflow processing and approvals for improved accuracy and relevancy of content
   - Personalized delivery lets author create content once and reuse in many places based on role and preferences

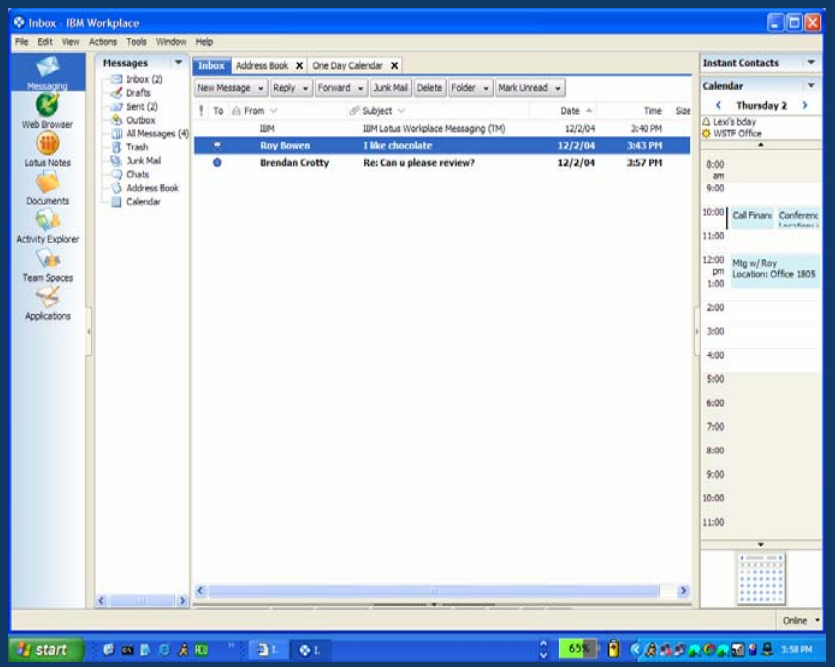
New in Web Content Management 2.5

1. **Enhanced portlet-based UI**
   - Authoring and publishing
2. **Integration with Workplace User Mgmt.**
   - Simplified user management
3. **Enhanced integration for installation**
   - Easier installation process

IBM Workplace Client Technology

ENVISION DECISIONS

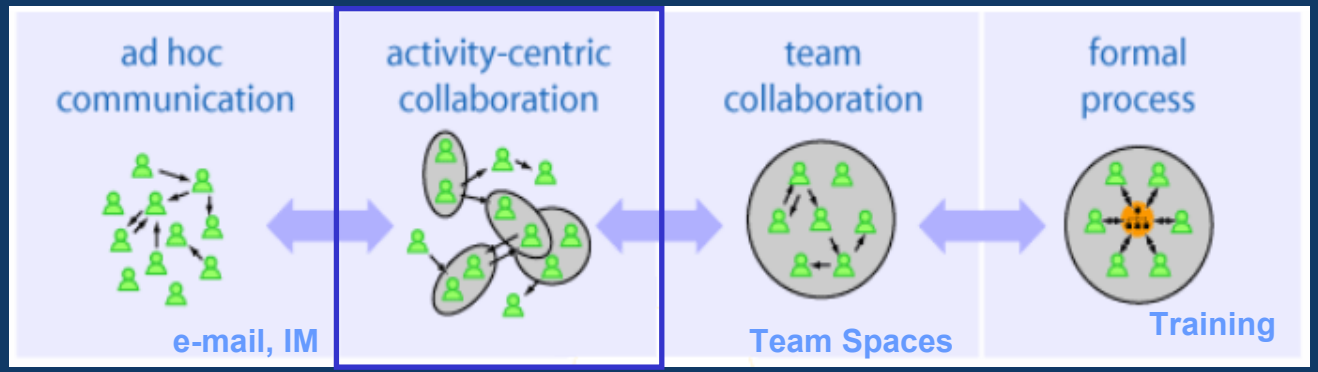
- Provides Workplace experience through a rich client:
  - Messaging = E-mail, calendar
  - Documents = Library management, editing with productivity components, project management
  - Collaboration Services = Activity Explorer, Data Access
- Key Benefits:
  - Native desktop experience
    - **Rich user interface based on open source Eclipse framework**
    - **Multi-platform – Windows, Linux**
  - Designed for manageability, low TCO
    - **Server-managed components**
    - **Role-based provisioning and administration**
  - Support for disconnected use & synchronization
  - Rich client portal
    - **Broad programmability**
    - **Composite Applications**
    - **New Innovation – Activity Explorer**



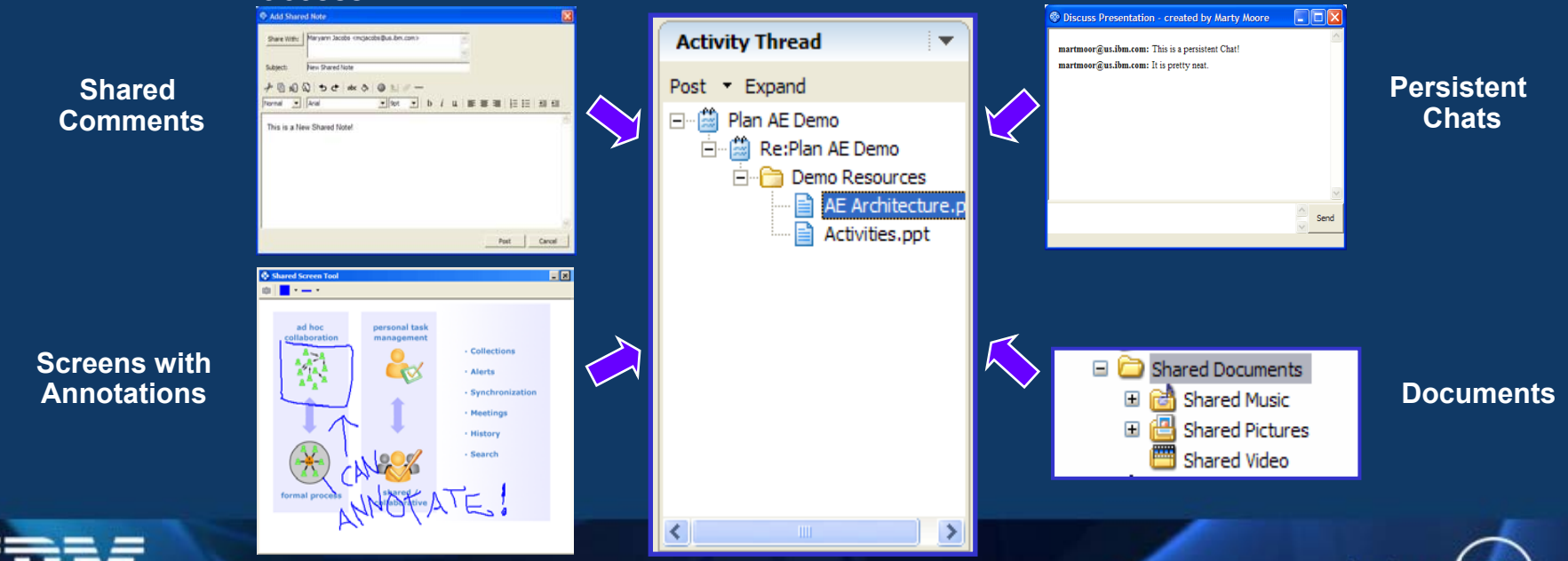
Activity Explorer: A New Collaborative Experience

ENVISION DECISIONS

- Experience different types of collaborations



- Use of activity threads for more efficient real-time collaboration
  - Shared contextual views of activities, with threading and hierarchical structure for easy access

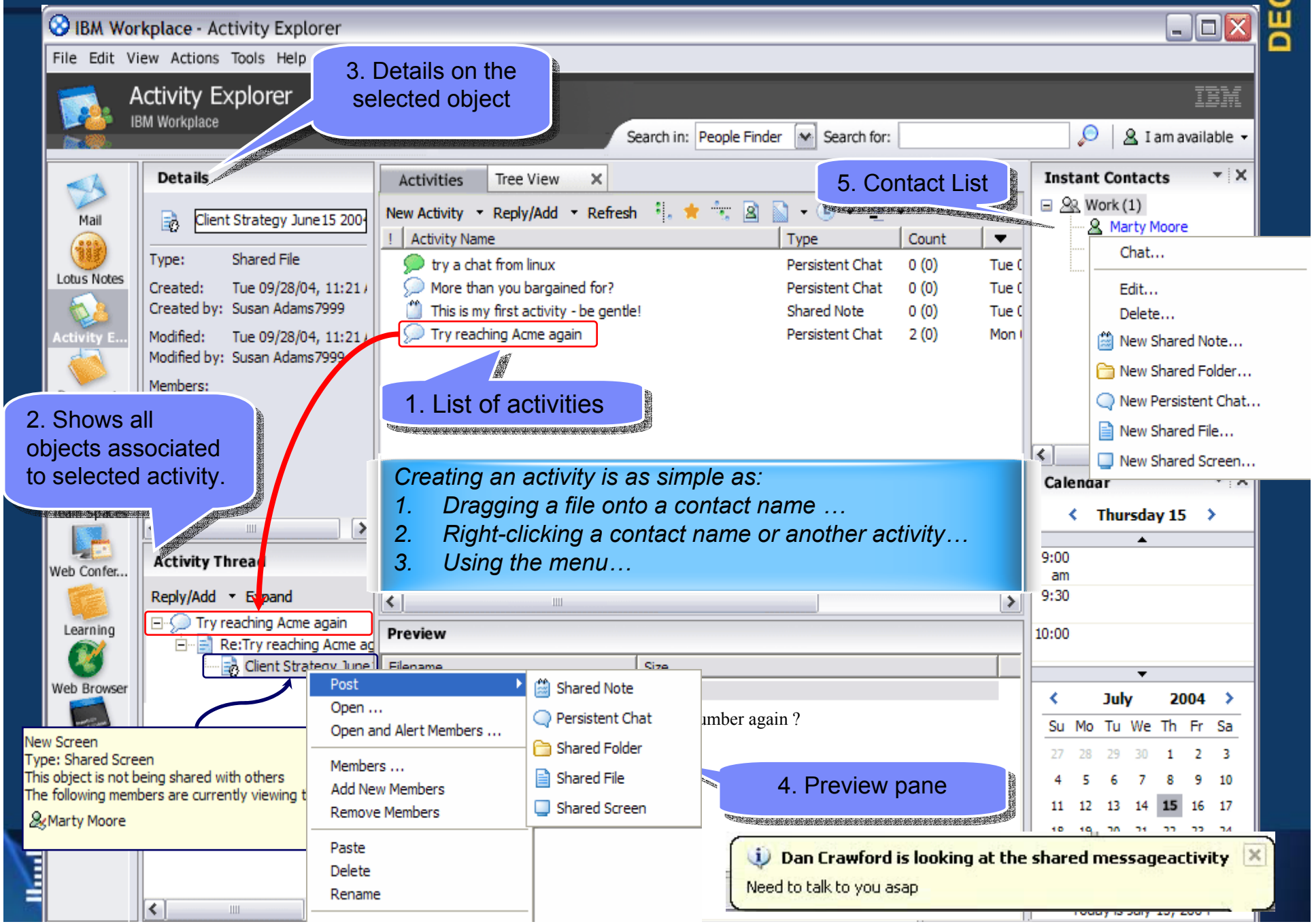


IBM

Lotusphere 2005

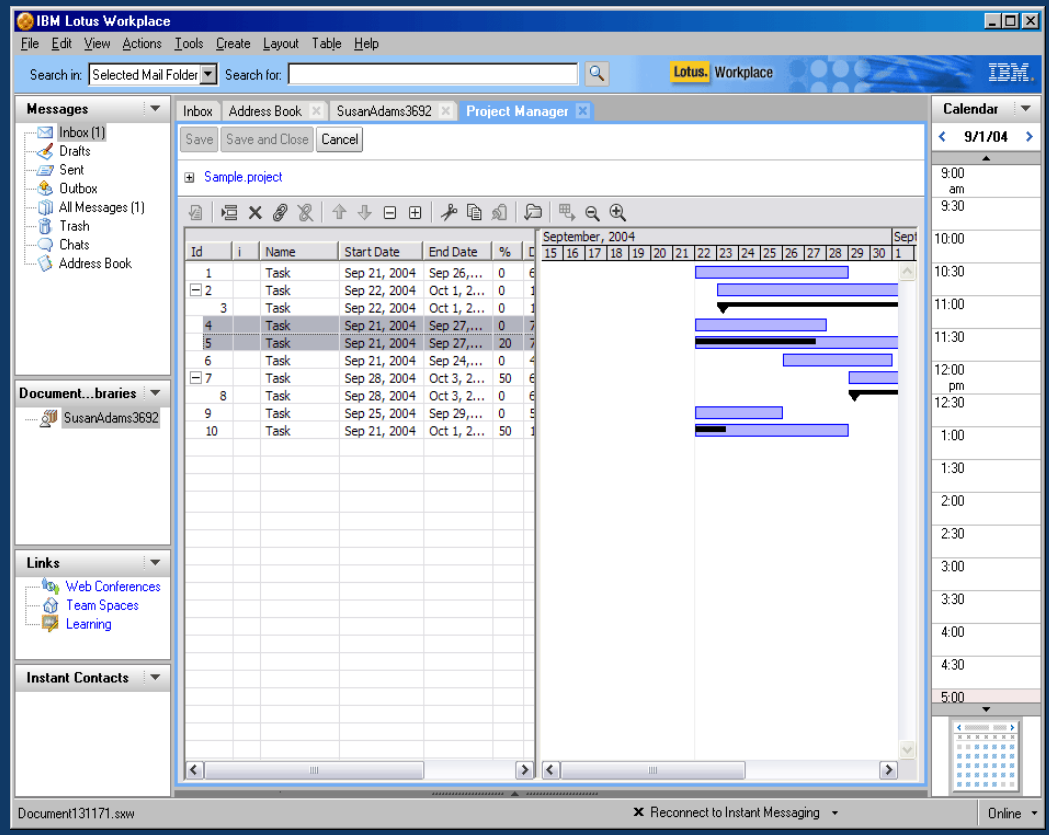
Activity Explorer

ENVISION DECISIONS



Project Planner

- Delivered as rich client component and packaged with:
  - Workplace Collaborative Services
  - Workplace Documents
- Enables tracking & reporting of projects
- Provides a subset of MS Project:
  - View Gantt chart
  - Add project tasks and resources
  - Assign tasks to resources
  - Create sub & summary tasks
  - Link dependent tasks
- Import/Export data from MS Project XML files
  - MS Project 2000 and 2003



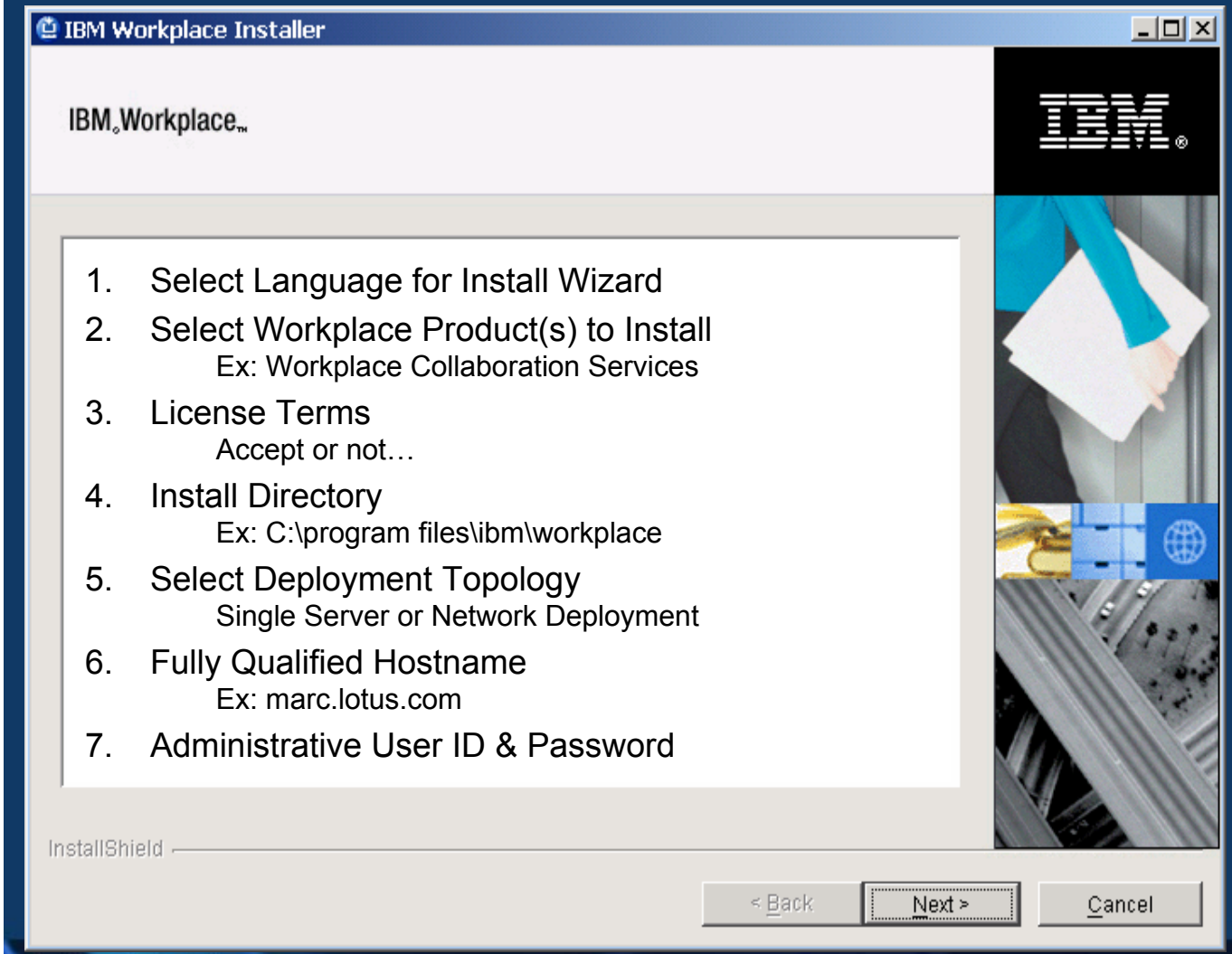
Agenda

ENVISION DECISIONS

- Why IBM Workplace
- IBM Workplace Collaboration Services:
  - Capabilities
  - Deployment
- Conclusion

Installation

New “Archive” installation:
From Zero to … Workplace Collaboration Services… in a few simple steps:



Post-installation tasks required for production:

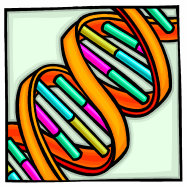
i. Connect to LDAP directory
ii. Replace Cloudscape with another database

Components of Workplace Collaboration Services 2.5

ENVISION

What is it for ?

- Integrate multiple disparate user directories → **Tivoli Directory Integrator** V5.2
  - Optional
- Store user information and provide authentication → **Directory Server (LDAP)** V5.1
  - Allows for Substitution
    - Domino Directory
    - Microsoft AD
    - Novell eDirectory
    - Sun One
    - IBM Directory
- Store production data → **DB2 Universal Database** V8.1
  - Optional
- Store data for pilots (default) → **Cloudscape** V5.1
  - Allows for Substitution
    - Oracle 9i
    - MS SQL Server 2000
- Provide common services including portlet-based UI → **Websphere Portal Server** V5.0.2.2
- Provide common services for deployments → **Websphere Application Server** V5.0.2.6
  - No Substitution Allowed

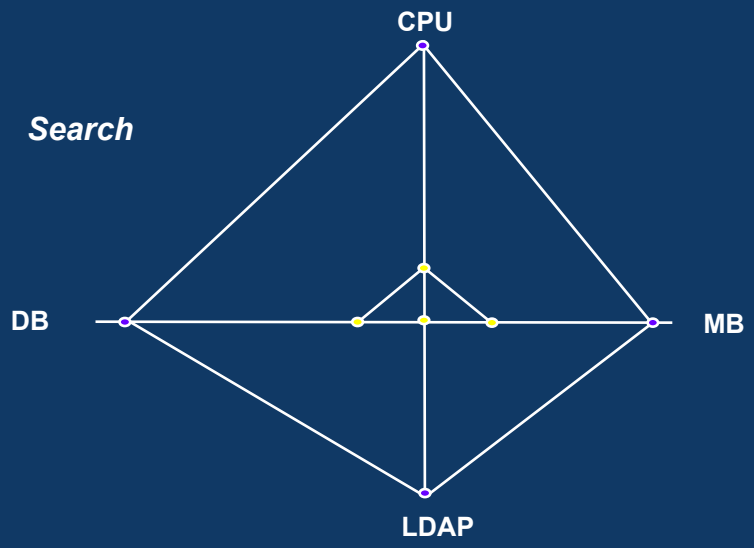


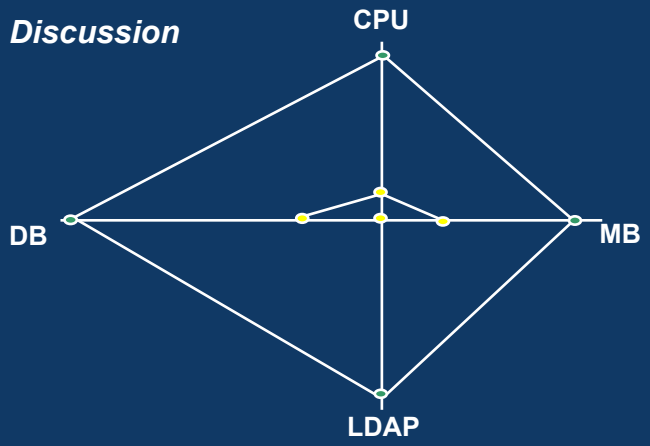
Note: other versions of Websphere Portal Server (e.g. 5.1) & Websphere Application Server are NOT supported

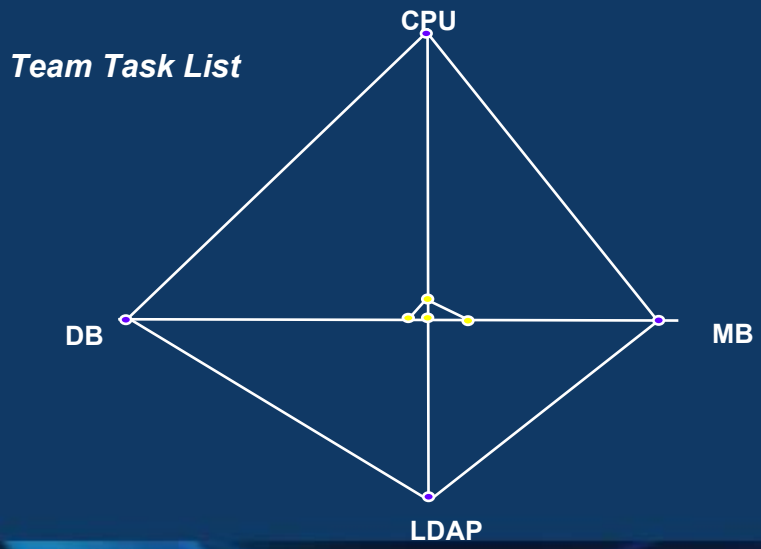
Note: All bundled Software is restricted for use with Workplace Collaboration Services

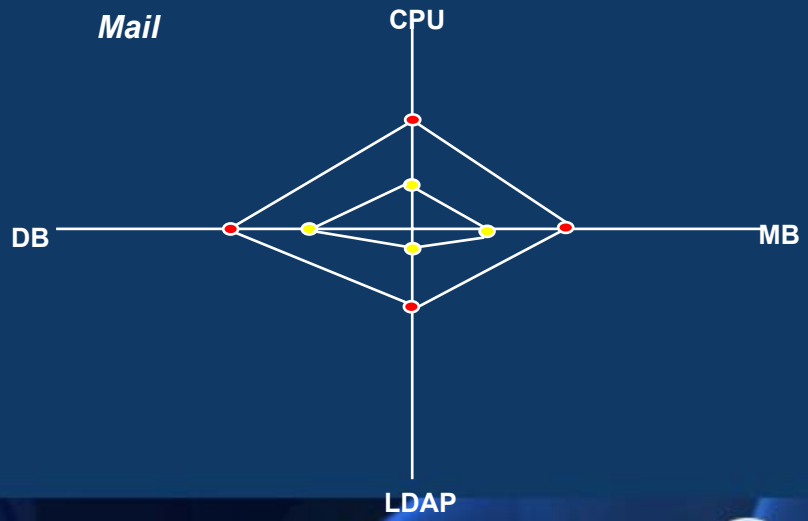
Workplace 2.5 Performance Improvements

ENVISION DECISIONS









IBM

Lotusphere 2005

Supported Platforms

ENVISION DECISIONS

- **Server OS:**
  - Win 2000 Server and Advanced Server
  - Win 2003 Standard and Enterprise Edition
  - Red Hat Enterprise Linux AS for Linux (x86) 3.0
  - SuSE SLES 8, 2.4 Kernel (for Intel) *Updated*
  - AIX 5.2 & 5.3
  - **iSeries - OS/400** V5R3 *Updated* *NEW in 2.5*
  - **Solaris** 9 *NEW in 2.5*
- **Server Database:**
  - DB2 Enterprise Server Edition V8.1
  - DB2 Workgroup Edition V8.1
  - Oracle 9i
  - **MS SQL Server** Enterprise 2000
  - Cloudscape 5.1 *NEW in 2.5*
  - DB2 For iSeries: V5R3
  - DB2 Clustering via HACMP (post GA) *NEW in 2.5* *NEW in 2.5*
- **Proxy Servers:**
  - Websphere Edge Server 2.0.2 *NEW in 2.5*
  - Tivoli Access Manager 5.1
  - Sun One Portal Server 6.2

- **Client - Browser OS:**
  - Windows XP
  - Windows 2000
  - SuSE Linux Desktop (SLD) v1.0
  - Red Hat Enterprise Linux WS v3.0
- **Client - Browsers:**
  - IE 6.0 SP1 - JRE Sun 1.4.2 or MS JVM 1.1 *Updated*
  - Mozilla 1.4 on Linux - JRE Sun 1.4.2
  - Mozilla 1.4 on Windows - JRE Sun 1.4.2
  - **Firefox** 1.0 on Linux - JRE Sun 1.4.2 *NEW in 2.5*
  - Firefox 1.0 on Windows - JRE Sun 1.4.2 *NEW in 2.5*
- **LDAP**
  - IDS V5.2
  - Domino 6.5 *Updated*
  - MS Active Directory 2000 *Updated*
  - MS Active Directory 2003
  - Sun ONE Directory V5.2 *Updated*
  - Novell eDirectory V8.7 *Updated*
  - Domino Directory Assistance R6.5 (federate multiple Domino directories (NABs) only)
  - IDS - iSeries V5.1 (with OS400 V5R3) *NEW in 2.5*

Agenda

- Why IBM Workplace
- IBM Workplace Collaboration Services:
  - Capabilities
  - Deployment
- Conclusion

In conclusion

ENVISION DECISIONS

Transformation

- Innovations that transform the way people work
- Network delivery model

Improve Productivity

- Out-of-the-box value
- Productivity tools
- Role-based environment

Workplace Collaboration Services

Greater Flexibility

- Open standards
- Support for rich client
- Customization
- Integration with Domino
- Integration with Microsoft

Simplification

- Consistent look and feel
- Per-CPU licensing