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# **Lotus Sametime & QuickPlace: Developing Real-time Collaboration**

**Kathy Staples -  
Advisory IT Specialist**

# Mission Statement

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## Sametime

- Real-time Collaboration that's fit for e-business



## QuickPlace

- Zero to Collaboration in 30 seconds!



Lotus

**Sametime™**

# Real-time Collaboration



## Awareness

Find others online and create personalized lists of team members & colleagues

## Conversation

Send an instant message, start a chat or launch an instant online meeting

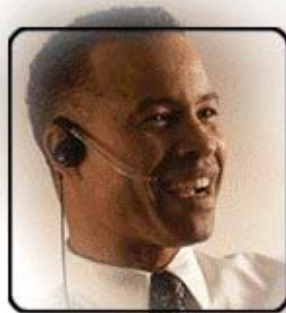
## Shared Objects

communicate ideas more clearly by application-sharing or white-boarding



# Complete Awareness

## Who is Online?



## Users Associated with a Document

Find on-line colleagues who are associated with an email or document

**Static User List**  
Create a buddy list of on-line colleagues and customers for instant access all day long.



## Users by Community

Find on-line colleagues or customers who are logged into the web site

# Instant Conversation



Online Meeting

### Instant Messaging

Mary Beth R.. Designing on this whiteboard sure is better than your site!  
Fran Sanch.. The new speaker icon is much better  
Chris Baker../. What do you think of doing horizontal sliders ins  
Mary Beth R.. We don't really have enough screen real estate

Send

Mary Beth Raven/Diamond joined the meeting.

### Chat Session

Meeting View Tools Permissions Help

Speaker's Video My Video

Name

- Jeremy Doss/C.
- David Montgo..
- Diana Emris/C.

You are the meeting moderator

Mute Mute



Diana Emris/CA 3 Participants 00:03:09

Year	Radio	TV	Cable	Internet
1922	0	0	0	0
1950	~40	0	0	0
1980	~80	~40	0	0
1995	~90	~60	~10	~5
2000	~95	~70	~20	~20



# Share Objects

The screenshot displays the Lotus Sametime Meeting Room interface. On the left, a man in a headset is shown in a small window. The main area features a whiteboard with a line graph titled "Are these the latest numbers?". The graph plots "Millions of Users (US)" on the y-axis (0 to 100) against years on the x-axis (1922 to 2000). Four lines represent different media: Radio (1922-1950), TV (1950-1980), Cable (1980-1995), and Internet (1995-2000). A blue arrow points to the TV line with the text "Are these the latest numbers?". The interface includes a "Mute" button, a "Horizontal Slides" control, and a list of participants: Jeremy Dies (C...), David Montgo..., and Diana Ermini (C...). The meeting duration is 00:03:09 and there are 3 participants.

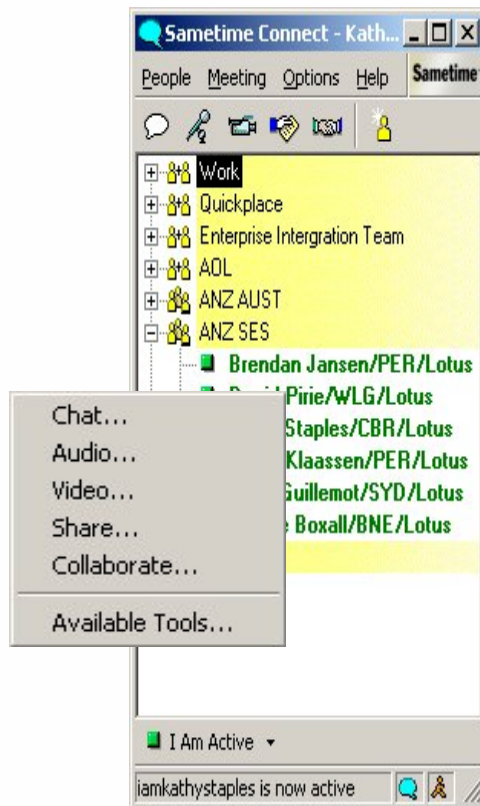


Share ideas and collaborate in a whiteboard or application session.....

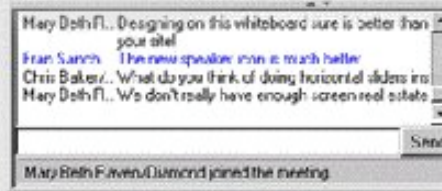
# Ad-hoc or Scheduled Meetings

Create Ad-hoc meetings or schedule them for later...

## Ad-hoc



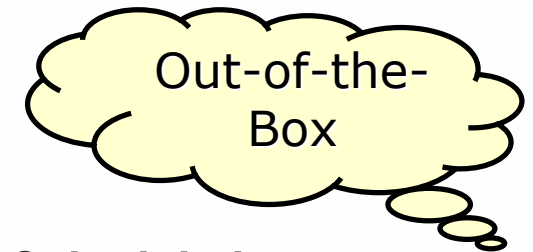
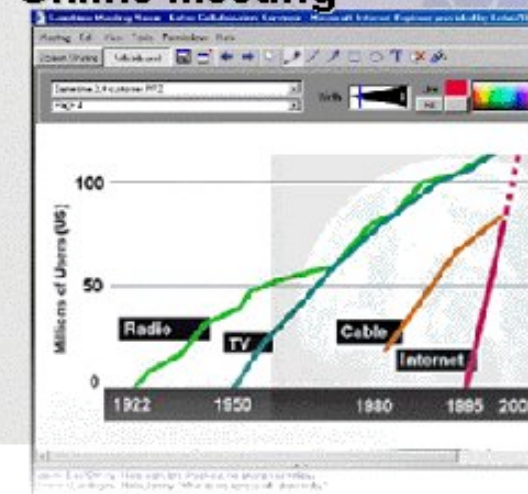
## Instant Messaging



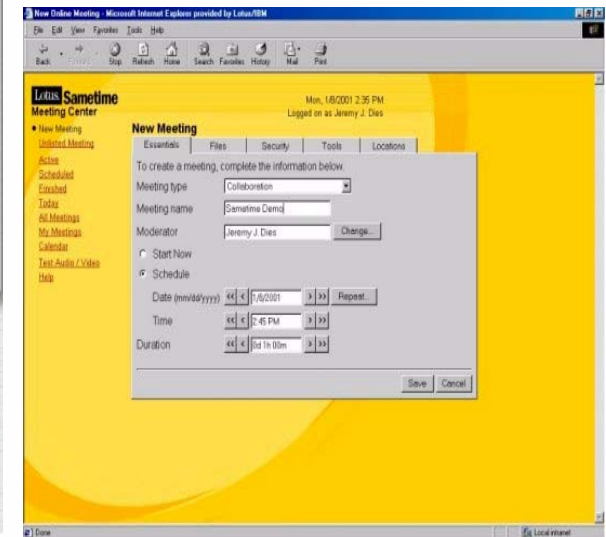
## Chat Session



## Online Meeting



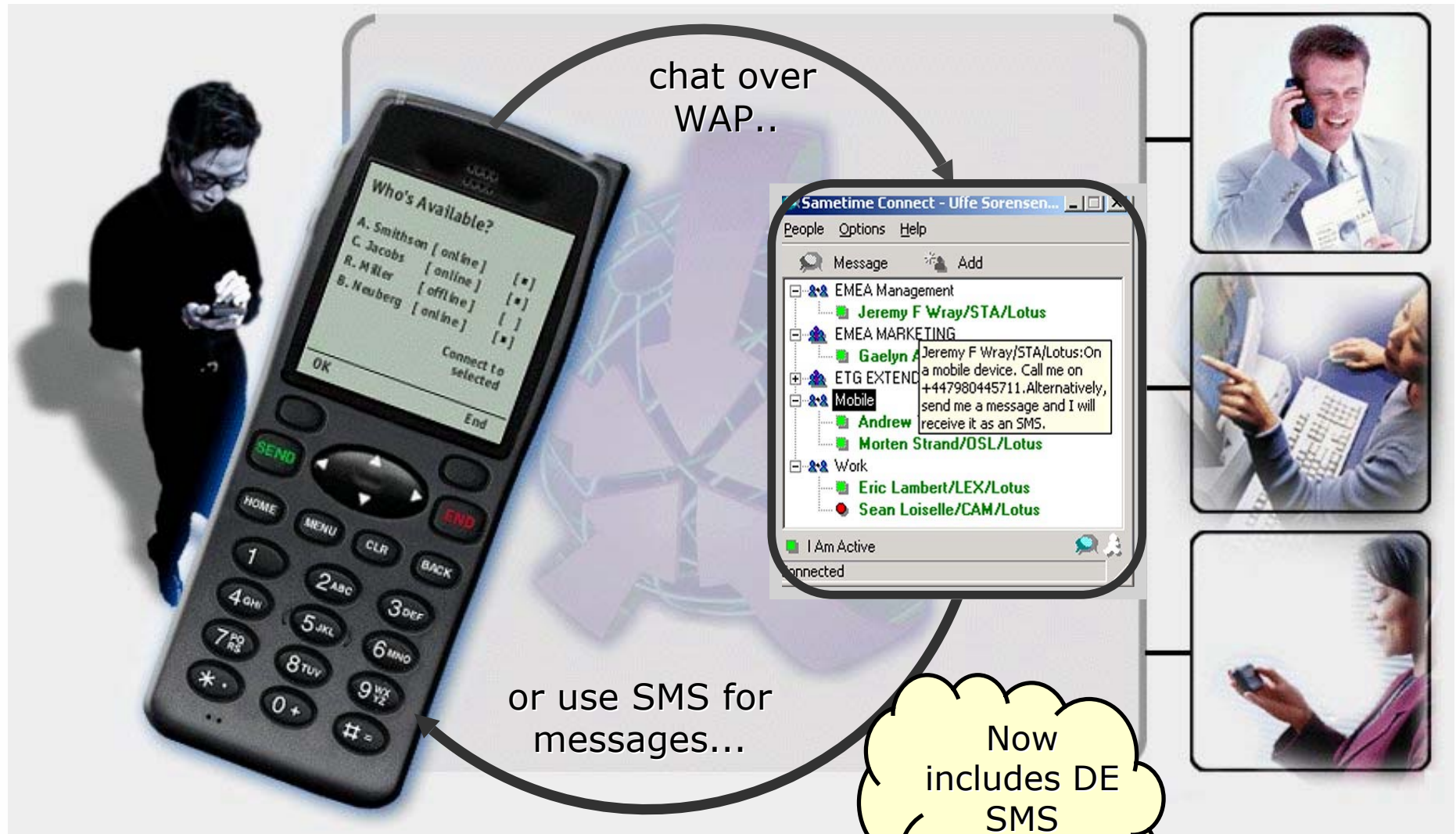
or Scheduled





# Sametime Everywhere...

Extend awareness and instant messaging to a wide range of wireless devices.....



# Client Toolkits Overview

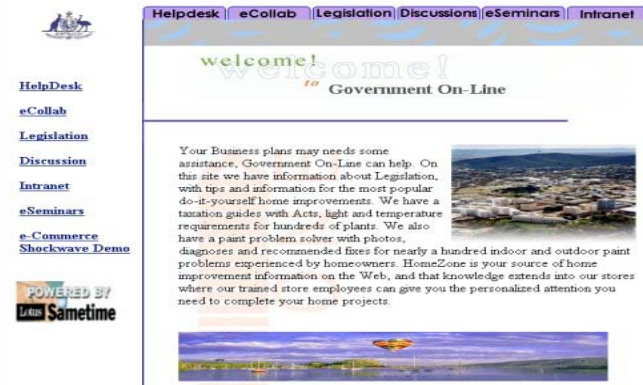
## ■ Ubiquitous

- ▶ enable development of Sametime enabled applications on any client platform.

## ■ Extendable

- ▶ Enable 3rd party developers to add new Sametime components.

- For web, Visual, Java, and C++ developers



# Sametime Client Toolkits

Create, modify, or extend applications through a choice of scripting and programming languages including JavaScript, HTML, Java, C++, and COM

Toolkit	Target Platform	Language	
Sametime Links	web	HTML / JavaScript	Add-on to 2.5 released 2.6
Java	any with JVM 1.1	Java	Collection of Java classes
C++	Windows	C++	Enhance Windows Applications
COM	Windows	VisualBasic, JavaScript, LotusScript...	Delivered as a standard DLL

# Toolkit Components & Services

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Real-time collaborative capabilities are provided via the Community, Meeting and Multimedia Services

## Major Community Services

- Login & Authentication
- Online Status
- Awareness
- IM (Instant Messaging)
- Places (Chat & Awareness)
- Server-side Storage
- Directory Access

## Meeting & Multimedia Services

- Whiteboard
- IP Audio & Video
- Instant Meetings
- Scheduled Meetings
- Broadcast Meetings

# Sametime Links Toolkit (beta)

## ■ Features:

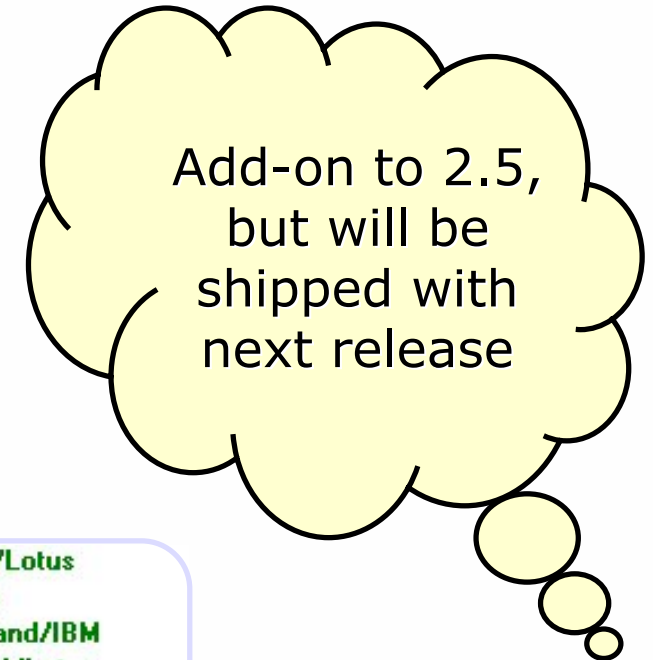
- ▶ Easy to use HTML / JavaScript API
- ▶ Light weight (~20K applet), no install
- ▶ Does not affect page layout
- ▶ HTML-based and customizable UI

## ■ Add awareness and messaging to:

- ▶ web pages
- ▶ applications

## ■ Examples:

- ▶ e-business
- ▶ help desk
- ▶ online directories



Allows Web developers to Sametime-enable their web pages and applications with "live names"

# Sametime Java Toolkit

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## ▪ Features:

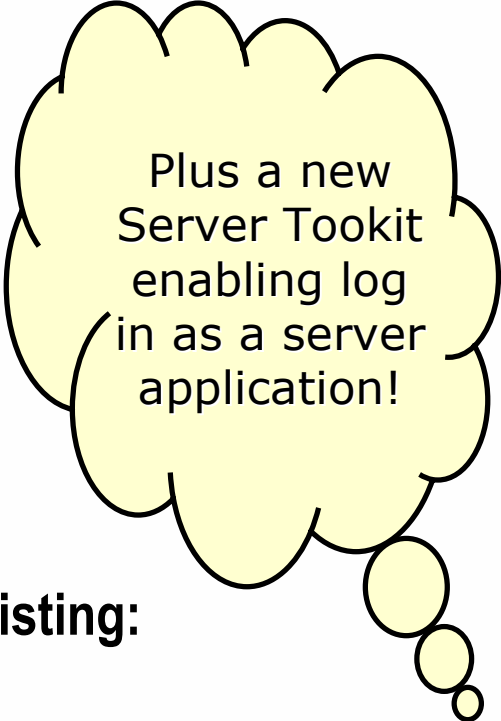
- ▶ Provides all core Sametime community & meeting services and UI components
- ▶ Object oriented
- ▶ Modular
- ▶ Thread-safe
- ▶ Supports JDK 1.1 or above

## ▪ Embed real-time collaboration technology into new or existing:

- ▶ applets
- ▶ applications
- ▶ web sites

## ▪ Examples:

- ▶ e-commerce app with awareness & meetings
- ▶ online help desk



Plus a new Server Toolkit enabling log in as a server application!

The java Toolkit is one toolkit that exposes all of the functionality of Sametime...

# Sametime C++ Toolkit

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## ▪ Features:

- ▶ Community services
- ▶ Object oriented
- ▶ Modular
- ▶ Thread-safe
- ▶ No dependency on Microsoft technologies (MFC, OLE)
- ▶ Supports Microsoft Visual C++ Developer Studio

▪ Enhance Windows applications with real-time collaboration

▪ For any Win32 or MFC based Windows application

## ▪ Examples:

- ▶ Sametime Connect
- ▶ NotesBuddy

Collection of components that allow developers to enhance Windows applications....

# Sametime COM Toolkit

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- **Features:**

- ▶ **Community services**
- ▶ **Object oriented**
- ▶ **Modular**
- ▶ **Thread-safe**
- ▶ **Supports Automation OLE and delivered in a DLL file.**

- **Enhance Windows applications with real-time collaboration**

- **Write your own user interface**

- **Examples:**

- ▶ **Sametime Connect**
- ▶ **NotesBuddy**
- ▶ **Awareness**

Used to enable applications with sametime in any development environment that supports COM, such as Visual Basic/VBA, Lotuscript and JavaScript....



# Website Awareness

Lotus Intranet site - incorporating place based awareness

The screenshot displays the Lotus Software Intranet homepage as of February 27, 2002. The page features a top navigation bar with the 'w3' logo and 'Lotus Software Intranet' title, alongside utility links for BluePages, Search, HelpNow, and Feedback. A left-hand navigation menu lists various site sections such as Home, Sales, Services, and HR. The main content area is titled 'February 27, 2002' and includes a 'Scorecard: IBM's Performance' section showing IBM stock at 97.83. Below this is a featured article 'Chat Transcript Now Available' with a photo of two people. A list of news items follows, including 'Survey: Lotus Sametime Meeting Center' and 'Lotus Global Government Forum 2002'. A right-hand sidebar contains a search box, a site index dropdown, and sections for 'AI's Place' and 'Internal Announcements'. A 'People here' pop-up window is visible over the news items, listing online users and offering chat and email options. The footer includes the text 'Sellina Points: Grid Computing and Web Services'.

# Contextual Collaboration

The screenshot shows the IBM Intranet interface with several key features highlighted by red circles and arrows:

- Calendar:** A central calendar widget for April 2001, showing a grid of dates with a 'Schedule Meeting' button.
- Awareness:** A 'My Colleagues' sidebar on the right listing team members with their names, phone numbers, and email addresses.
- e-Meetings:** A sidebar on the left titled 'Tools, Apps & Links' containing a 'Team Tools' section with items like 'Nameless Meetings', 'Nameless Connect', and 'QuickPlace'.
- e-Learning:** A 'Learning Resources' sidebar on the left listing 'Global Campus', 'eLearning Services', and 'IBM University Connection'.

The main content area features a header with the date 'April 10, 2001' and a navigation bar. Below the header, there is a central image of a man with glasses and the text 'IBM wins' and 'transcript available'. To the right of the image are sections for 'know the business', 'work with my team', and 'apply the tools'. A 'Search' bar and 'Help Now' link are also visible in the top navigation bar.

IBM Intranet site - Moving forward.....

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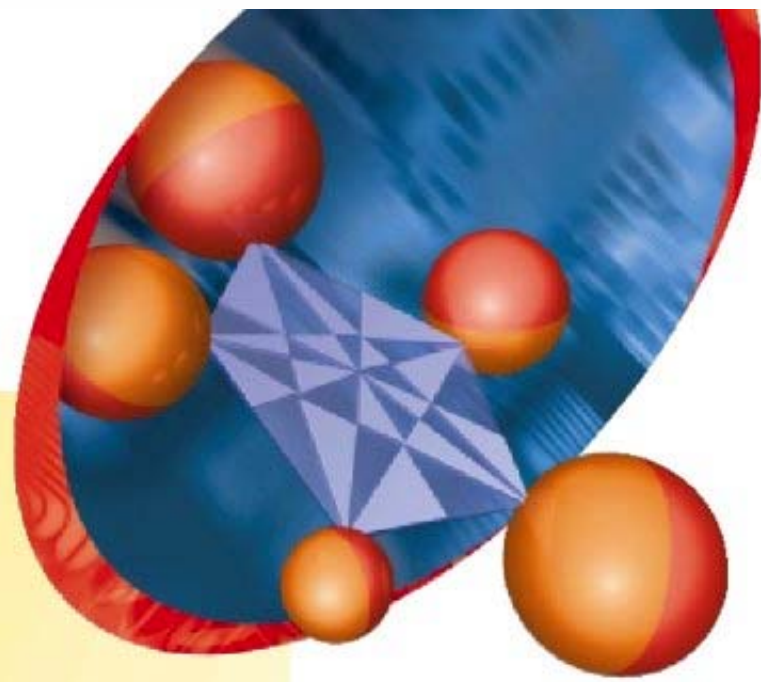
# Demonstration



Lotus

# QuickPlace 2

RELEASE



# Instant Collaboration

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## **Self-service Web tool**

Create a team workspace on the Web in seconds. No training or technical assistance required

## **Task Management**

Assign action items and deadlines. Map your progress in a Gantt chart view summary

## **On-line Awareness**

Brainstorm new ideas or review content with on-line members.



# Self-service Web tool

QuickPlace enables the creation of a shared team workspace on the Web -- in seconds!



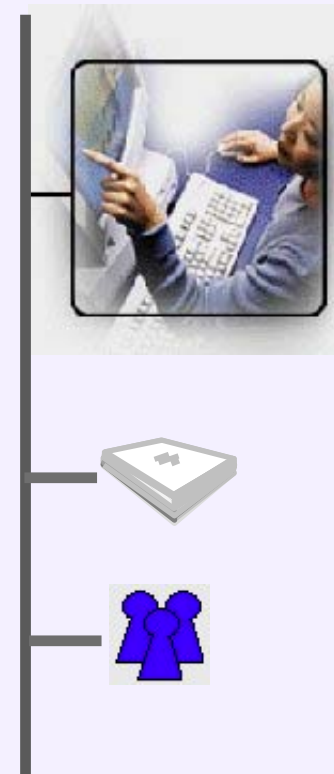
The screenshot shows the Lotus QuickPlace web interface. At the top left, it says "Lotus QuickPlace" with "Sign In" and "Help" buttons. Below that, a "Welcome" message reads: "Create A QuickPlace: Lotus QuickPlace. Create a Team Workspace on the Web - Instantly." It explains that a QuickPlace is a secure place on the Internet for team communication and resource sharing. A prominent button says "CREATE A QUICKPLACE NOW!".

The main content area features the "e-Collab" logo and a "Welcome to Your QuickPlace!" message. It includes a table of contents on the left with links like "Welcome", "Discussion", "Library", "Calendar", "Tasks", "Index", "Customize", and "Members". Below this is a "Tools" section with a search bar and links for "new", "daily", "weekly", "advanced search", "chat", "rss", "print", "tutorial", and "help".

The central text area provides "Instructions for Managers" and a three-step guide:

- 1 Add Content.** Click the **New...** button at the top of this page to add pages to the QuickPlace.
- 2 Customize.** Click the **Customize** link in the table of contents on the left to choose an appearance for the QuickPlace, and to customize it in many other ways.
- 3 Invite Members.** Click the **Members** link in the table of contents to add members to this QuickPlace at any time.

A note states: "(Note: You can edit this Welcome page at any time by clicking the **Edit** button, above.)" and a "To Learn More..." section points to "Tutorial" or "Help" links. At the bottom, there are "go to top" and "new... | edit | check out... | copy | move | delete" links.



# Task Management

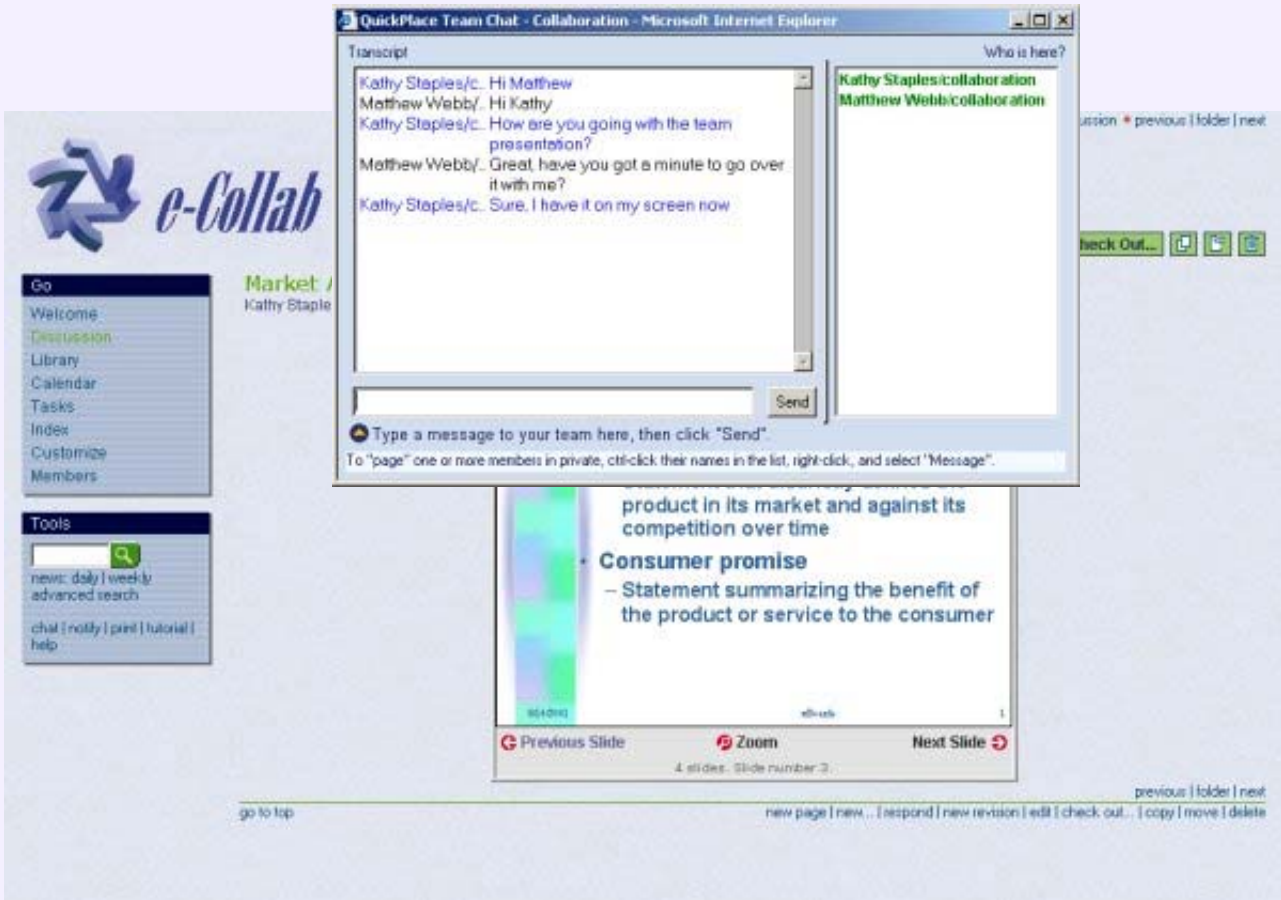
Assign action items and deadlines. Automatic notification keeps everyone aware of to-dos and milestone status

The screenshot displays the e-Collab task management interface. The main content area shows a table of tasks with the following data:



Task	Assigned To	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Presentation to Teams	Sean Guillemot														
<b>Team Outline</b>	Kathy Staples														
<b>Planning &amp; Building Control</b>	Matthew Webb														
Incorporate Education	Kathy Staples														

# On-line Awareness

Brainstorm new ideas or review content with on-line members



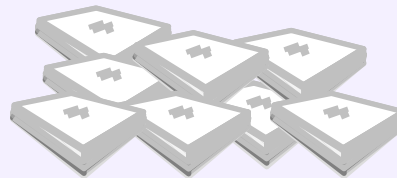
The screenshot displays the e-Collab web application interface. On the left, there is a navigation menu with sections for 'Go' (Welcome, Discussion, Library, Calendar, Tasks, Index, Customize, Members) and 'Tools' (news: daily | weekly | advanced search, chat | notify | print | tutorial | help). The main content area features a 'Market / Kathy Staples' section. A 'QuickPlace Team Chat' window is overlaid, showing a transcript of a conversation between Kathy Staples and Matthew Webb. Below the chat, a presentation slide is visible with the text: 'product in its market and against its competition over time', 'Consumer promise - Statement summarizing the benefit of the product or service to the consumer'. The slide includes navigation buttons for 'Previous Slide', 'Zoom', and 'Next Slide', and indicates '4 slides, Slide number 3'. At the bottom of the page, there are links for 'go to top' and 'new page | new... | respond | new revision | edit | check out... | copy | move | delete'.





# Shared Network Drives

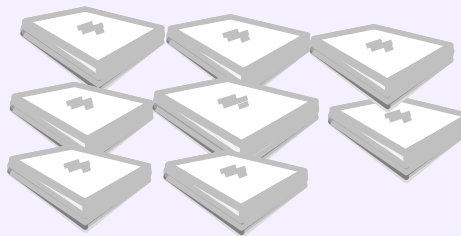
Shared network drives have served an important role for sharing documents, but....



- × **Who is responsible for this set of documents?**
- × **Rarely a standard Hierarchy**
- × **Duplication!**
- × **Hard to find!**

# QuickPlace Advantages

A collaborative environment such as QuickPlace provides all the benefits of a shared network drive plus a lot more...



- ✓ On-line discussion with the group
- ✓ All documents have owners
- ✓ Allocation and tracking of tasks
- ✓ Incorporate Workflow
- ✓ Comprehensive searching

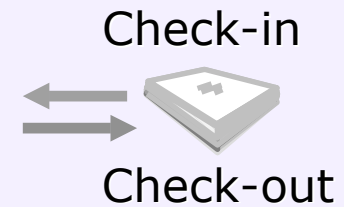
# Content Management

Your teams discussions and content are all maintained in a single location...

The screenshot displays the e-Collab web application interface. At the top left is the e-Collab logo. Below it is a navigation menu with options like 'Go', 'Welcome', 'Discussion', 'Library', 'Calendar', 'Tasks', 'Index', 'Customize', and 'Members'. A 'Tools' section includes a search box and links for 'new', 'daily', 'weekly', 'advanced search', 'chat', 'notify', 'print', 'tutorial', and 'help'. The main content area is titled 'Library' and contains a table of documents. The table has columns for 'Title', 'Author', and 'Modified'. The documents listed are:

Title	Author	Modified
Business Plan Page	Kathy Staples	08/14/2001
Business Plan Page (Revision #MA-81A3)	Kathy Staples	08/14/2001
Executive Summary	Kathy Staples	08/14/2001
Executive Summary (Revision #MA-DDC2)	Matthew Webb	08/14/2001
Lotus	Matthew Webb	08/14/2001

At the bottom of the library view, it says 'Pages 1 - 5 out of 5 (including hidden pages)'. There are also navigation links like 'go to top', 'new page', 'new...', 'cleanup', and 'folder options'.



Version Control

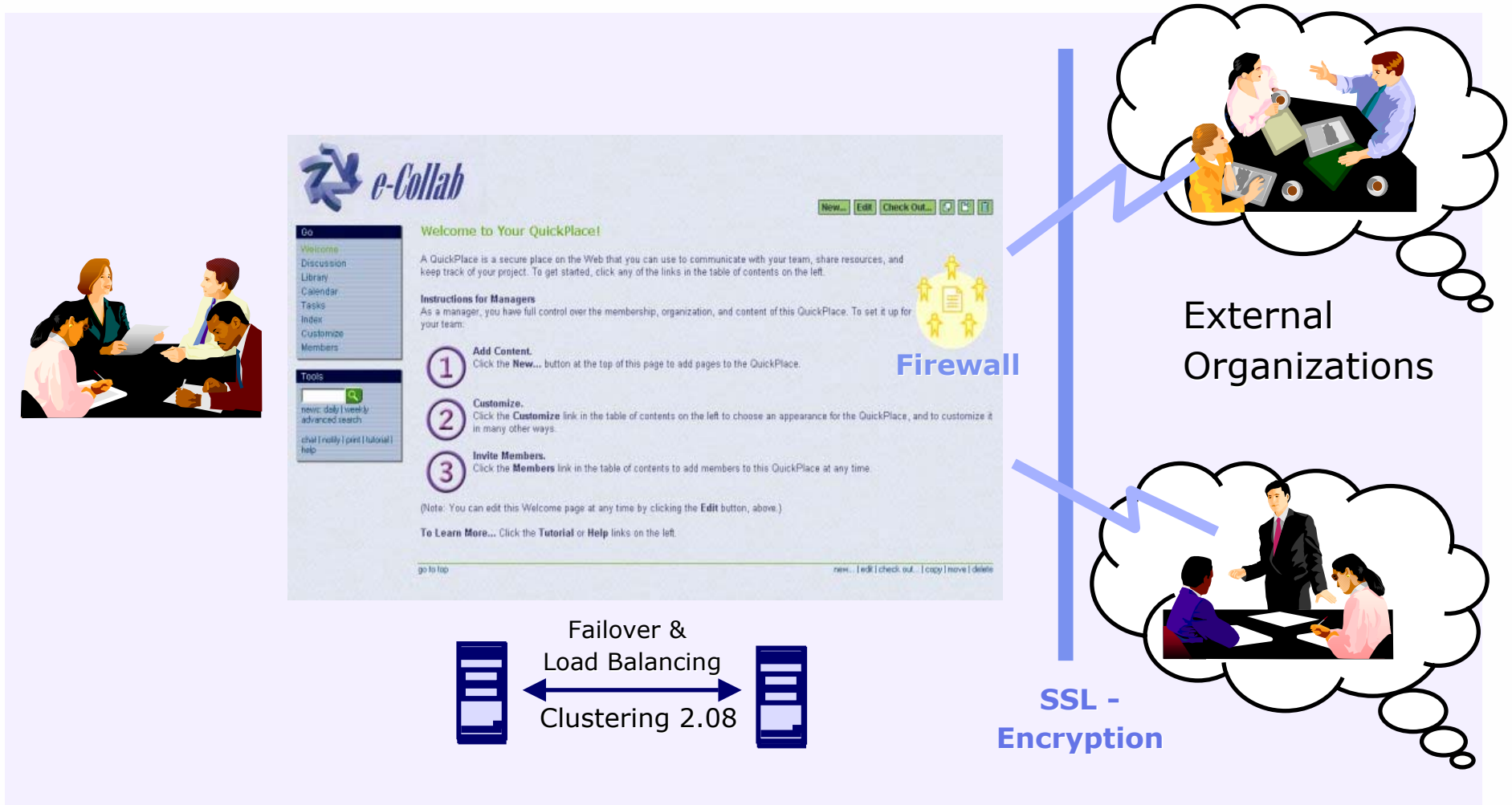


Multiple File Support



# Teams come Together !

Allows external organizations to join the collaborative space with no additional software to be installed on their workstations...



# Capture peoples ideas!

Create a place for discussion groups, where people can come and share their ideas...

The screenshot shows a web interface for 'e-Collab' with a 'Discussion threads' section. A form is displayed for creating a new discussion thread. The form includes the following fields:

- 1. Title:
- 2. Date:
- 3. Time:
- 4. Name:
- 5. Do you agree with the current standard?:
- 6. How old are you?:
- 7. Do you have children?:
- 8. Are you affected by the current changes?:
- 9. When you have finished editing this page, click **Publish** to put it away so others can see it. Click **Publish As...** for more options. To safeguard your work in progress while editing this page, click **Save**.

At the bottom of the form are buttons for **CANCEL**, **SAVE AS DRAFT**, **PUBLISH AS**, and **PUBLISH**.

Navigation links at the top right include: home | discussion | next | last

Buttons at the top of the form include: New Discussion, Reply, Clear All, and Edit or Delete.

Left sidebar navigation includes: Go, Welcome, Discussion, Library, Calendar, Tasks, Index, Customize, Members, Tools, news, daily | weekly | advanced search, chat | notify | print | tutorial | help.

Discussion content includes: Welcome, Welcome to our... its state-of-the-ar, Re: Welc... I feel that projects c, Re: I a St.

Staff Only: Staff Only | Welc... together to devel

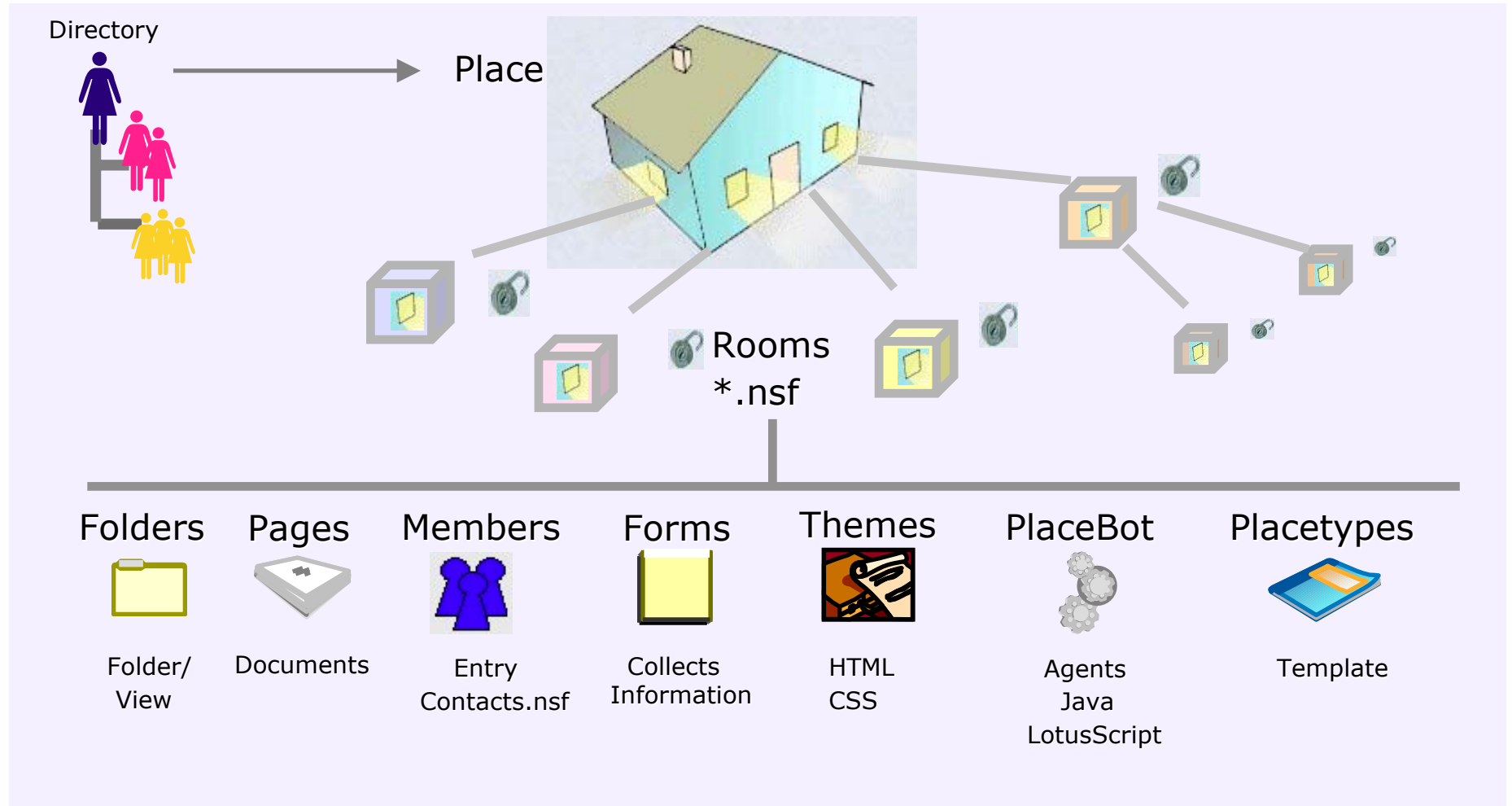
Market Analysis: Zoom?Next Slide4

Financials: Financials | The... allow iBoards to

Hide Responses: Pages 1 - 7 out of

# QuickPlace Architecture

You can use rooms to dramatically expand your QuickPlace, and to create private areas for smaller teams...



# Customization Tools

The customization tools allows you to extend the functionality of the QuickPlace...



The screenshot shows the 'e-Collab' customization page. At the top left is the 'e-Collab' logo. Below it is a 'Go' menu with links: Welcome, Discussion, Library, Calendar, Tasks, Index, **Customize**, and Members. To the right of the menu is a 'Customize' section with the heading 'Customize' and a sub-heading 'As a manager of this QuickPlace, you can customize it in a variety of ways by clicking on the links below.' There are four main customization options, each with an icon and a description:

- Basics:** Change the logo of your QuickPlace, reorder items in this room, hide the Calendar, Tasks, and security information, select notification, mail-in, and other options, and delete the QuickPlace. (Icon: house)
- Decorate:** Dramatically change the way your QuickPlace looks. Choose an overall visual theme for it, and set background colors, textures, fonts, etc. (Icon: globe)
- Offline:** Easily set up your computer so that you can access this QuickPlace when you are not connected to the Internet. QuickPlace Offline offers you (1) access to the QuickPlace when disconnected, and (2) tremendous speed improvements even when you are connected. (Icon: laptop)
- Forms:** Easily create custom forms for authors to fill out. Forms can have useful fields such as pop-up lists, date pop-ups, etc., and a workflow that moves the form from one member to another as it is filled out. (Icon: form)

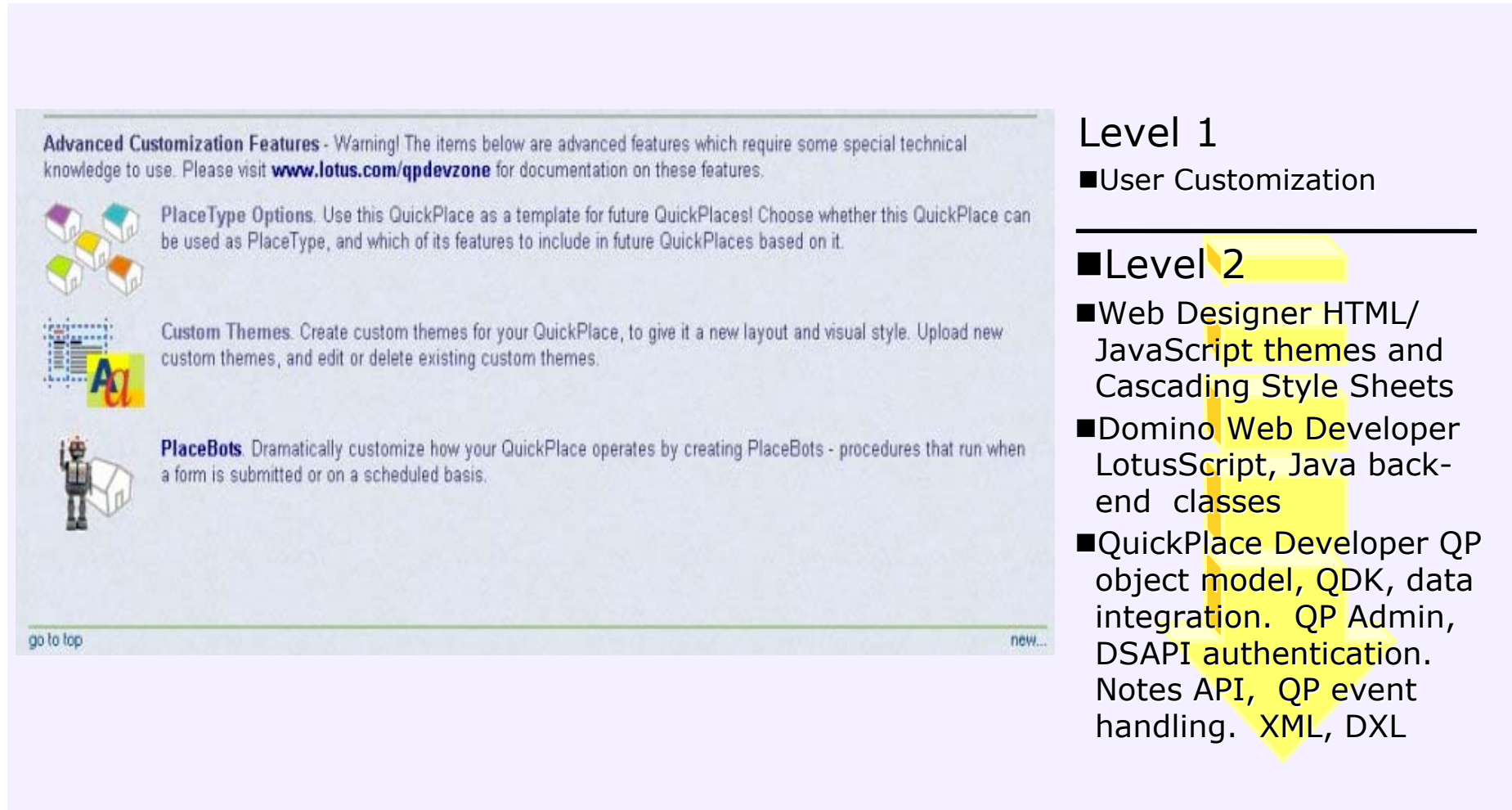
At the bottom of the customization options is a link for **Rooms**, with the description: 'Extend your QuickPlace by creating "rooms". Rooms allow you to create private spaces in which a subset of your QuickPlace members can meet, as well as "elbow room" when this room is full.' (Icon: room)



**Rooms**

# Advanced Customization Features

These advanced features allow you to create an even more enhanced collaboration system than what is already delivered out of the box...



The screenshot shows a page titled "Advanced Customization Features" with a warning that these features require technical knowledge. It lists three features: PlaceType Options, Custom Themes, and PlaceBots. A yellow arrow points from the "Level 2" section on the right to the "PlaceBots" feature in the screenshot.

**Advanced Customization Features** - Warning! The items below are advanced features which require some special technical knowledge to use. Please visit [www.lotus.com/qpdevzone](http://www.lotus.com/qpdevzone) for documentation on these features.

- PlaceType Options.** Use this QuickPlace as a template for future QuickPlaces! Choose whether this QuickPlace can be used as PlaceType, and which of its features to include in future QuickPlaces based on it.
- Custom Themes.** Create custom themes for your QuickPlace, to give it a new layout and visual style. Upload new custom themes, and edit or delete existing custom themes.
- PlaceBots.** Dramatically customize how your QuickPlace operates by creating PlaceBots - procedures that run when a form is submitted or on a scheduled basis.

go to top new...

## Level 1

- User Customization


## Level 2

- Web Designer HTML/ JavaScript themes and Cascading Style Sheets
- Domino Web Developer LotusScript, Java back-end classes
- QuickPlace Developer QP object model, QDK, data integration. QP Admin, DSAPI authentication. Notes API, QP event handling. XML, DXL



# Build Collaborative Applications

Sametime and other collaboration applications working together...



The screenshot displays a web application interface for 'Government On-Line'. At the top, there is a navigation bar with tabs for 'Helpdesk', 'eCollab', 'Legislation', 'Discussions', 'eSeminars', and 'Intranet'. Below the navigation bar, a large 'welcome!' message is displayed, followed by 'to Government On-Line'. The main content area features a text block on the left and a photograph of a residential neighborhood on the right. The text block discusses home improvement services, mentioning 'HomeZone' and 'Lotus Sametime'. At the bottom of the page, there is a photograph of a hot air balloon over a lake.

- ✓ Help Desk
- ✓ Contact the Experts
- ✓ Information Seminars
- ✓ Componentised services
- ✓ Personalise & Collaborise your web sites & business applications.....

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# Demonstration



# Next Steps? - Who Can Help Me



## Software Group Services

- **QuickPlace** Quickstart
  - ▶ Pilot implementation
  - ▶ up to 50 users
- **Sametime** Quickstart
  - ▶ Implementation of pilot
  - ▶ up to 50 users
- **Team and Community Workshop**
  - ▶ Help you determine appropriate team or community to pilot
  - ▶ Determine priorities
  - ▶ Determine goals for team or community
  - ▶ Understand the value that the service could provide
- **Complete deployments**

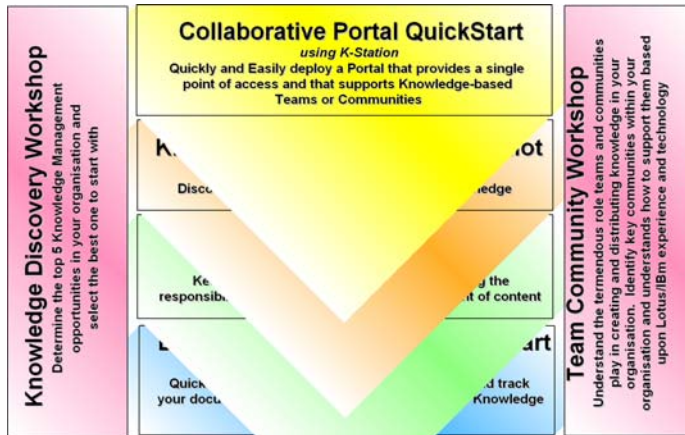
- ✓ implementation
- ✓ customisation
- ✓ training

# Offerings Portfolio



## Software Group Services

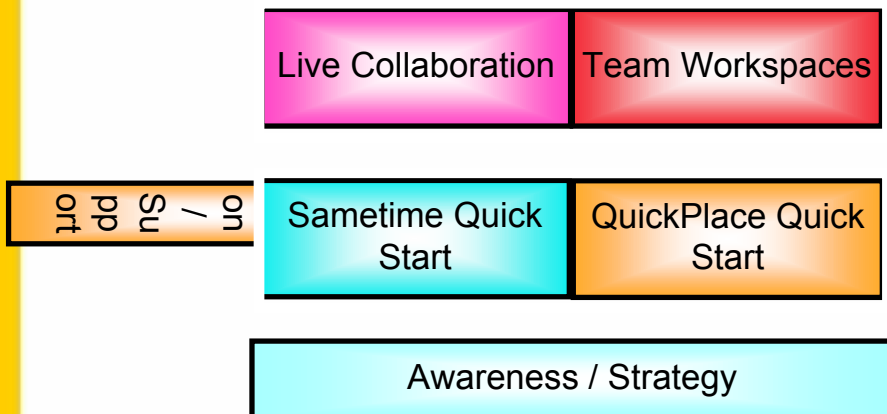
### Advanced Collaboration



### Business Collaboration



### c-Commerce



### Mobile e-business

