



Domino for iSeries

IBM  server™ & TotalStorage™  
UNIVERSITY 2003

## Domino 6 for iSeries: A Technical Overview

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*(Special thanks to Robin Clark for her contributions)*

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**For end users**

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## Domino and Notes 6 Overview

- **The next evolution of Notes and Domino**
- **Increased usability and productivity**
- **Provides greater Administration flexibility and control**
- **Increases Development capability**
- **Maintains Market Leadership and Innovation**

But if there is one thing it's ...

**T**otal **C**ost of **O**wnership

## TCO - Doing More With LESS

- **For end users**
  - ▶ Improved ease of use and productivity enhancements
- **For administrators**
  - ▶ Less time to accomplish tasks
  - ▶ Dramatically increased control of the infrastructure
- **For decision-makers**
  - ▶ Savings in bandwidth
  - ▶ Reduced disk storage
  - ▶ Increased availability
  - ▶ Enhanced security

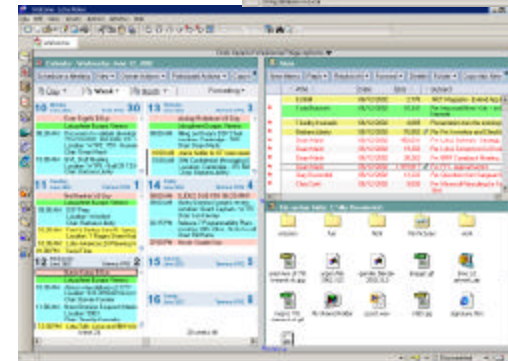
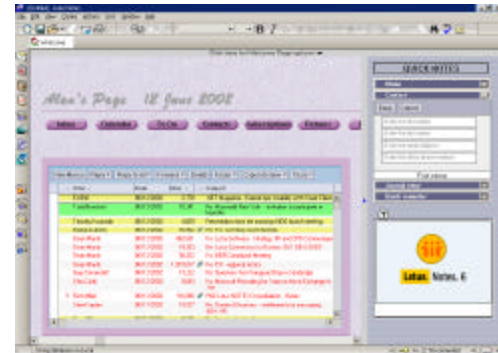
*"The best Domino yet... created with the customers in mind."*

*Note: See the Appendix for developer related TCO information*

# Features for End-Users

## End user productivity boosters

- General UI enhancements
- Color coded inbox to more easily manage and prioritize correspondence
- Mail rules and Swift File to streamline and automate processes
- Unread in folder for organizing content
- Attachment handling
- Enhanced Calendaring & Scheduling:
  - ▶ Printing, usability
  - ▶ Managing executives
- Quick Notes for rapid document creation
- Drag and drop between desktop
- Copy view as table
- Background processing
- Enhanced and simplified replication
- and many more!



## Welcome Page

- Enhanced wizard for setup - *Now easier than ever for end user to customize*
- Ability to push down and lock pages from the server - *Admin can control*
  - ▶ For entire organization
  - ▶ By department
- Increased content types - *Add access beyond mail, calendar, to-dos, etc.*
  - ▶ Notes database views
  - ▶ File system
- Ability to dynamically switch frame content - *Quick access to items if needed*
- Support for the preview pane - *Triage mail, calendar entries or to-dos...*
- Customized 'Tips of the day' - *Learn something each day to enhance use*

***Benefit: User interface customizable for productivity***

## Welcome Page Example

- Preview Pane benefit: Instant view into key desktop functions
- Quick Notes benefit: Access function with a single "click"

Click here for Welcome Page options ▼

Lotus software  
**Notes 6** Search ▶

Mail Calendar Contacts To Do List Personal Journal

Day ▼ Week ▼

**17** Wednesday  
April 2002

8 am  
9 am  
10 am  
11 am

EasySync Pro R6 Pl  
Location: Bill's office  
Chair: Bill Hume

Tips of the day... ◀▶

To move an item in a list up or down within the list, place your cursor next to the item and press CTRL+UP ARROW or CTRL+DOWN ARROW.

QUICK NOTES

Mail

Send Cancel

<Enter names to send mail to>

<Enter a subject>

<Enter email message>

Contact

Journal entry

Quick reminder

?

**Note: Administrator can push down and lock pages**



## Messaging Enhancements

- **Inbox view**
- **Attachment handling**
- **Mail file management**
- **Trash**
- **Ambiguous names**
- **Related Topics**
  - ▶ **vCard**
  - ▶ **Contact Management**

## Inbox View

- Color-coded view entries - *User sets the criteria*
- Auto refresh for incoming messages - *No more F9 to refresh*
- End-user frame customizations preserved - *Most items are "Sticky"*
  - ▶ Column placement, column width, sort
- Show unread counts in folders - *Use rules to file mail, but know what's new!*
- Attachment handling improvements - *Edit attachments in place!*

**Benefit: User can customize ... to "Work the way they need to work"**

See new mail items that get filed automatically

Who	Date	Size	Subject
Michael Harer			new update
Carol Genis			it week's training
Cynthia Donovan	10/17/2001	9,758	It's Urgent...
Barbara Liberty	10/17/2001	12,509	Re: Help!
Robert Ivers	10/18/2001	30,184	Re: Assistance?
Kyra Jones	10/24/2001	964,078	Please save this file
Kyra Jones	10/24/2001	1,916	please check and forward this table
Terry North	01/09/2002	2,280	Interview Comments
Terry North	01/10/2002	945	Has the doc team written the release
Terry North	01/11/2002	3,430	Re: Please review and comment
Terry North	01/11/2002	2,068	Invitation: Discuss annual report (Jan 14 2002)
Terry North	01/11/2002	1,004	Countered: Rnext Presentation
Kyra Jones	01/11/2002	2,212	Invitation: All Hands Meeting (Jan 14 2002)
Kyra Jones	01/11/2002	2,055	Invitation: Prep for All Hands (Jan 14 2002)
Mr Big	02/19/2002	2,219	Countered: One on One with Pat

Reduce disk and bandwidth requirements

## Messaging Enhancements - continued

### Trash Folder - *Housekeeping is simpler*

- Messages are immediately moved to trash
- Automatic time for deletion is customizable
- Messages can be restored

### Ambiguous Names Dialog box - *Be able to tell 2 users with the same name apart*

- Improved dialog box shows detailed information
- Name, alternate name, mail address, mail domain, location
- Details button takes you to Domino Directory Entry

### vCard Handling - *Business card attachment can be imported or exported*

- Messages with attached vCards can be viewed and copied to your personal name and address book
- vCards can be created by copying and pasting from the public and personal Directories

## C&S Enhancements

- Calendar User Interface
- Time Zone Support
- Enterprise Calendar Management
- Resource Reservations
- To Do's
- Related Topics
  - Printing
  - Wireless Device Synchronization

# Calendar User Interface

## User Interface Enhancements

- Calendar notices - *now appear in the calendar view*
- Open often used calendars of others

New notification options - *like reminding invitees to RSVP*

**Benefit: Calendar info can be accessed all on the same display**

The screenshot displays the Domino Calendar User Interface for Kyra Jones. The main view shows a calendar for April 2002, with a detailed view for April 22nd. A context menu is open over the 'Dad's Birthday' event, showing options like 'Reschedule', 'Cancel', 'Confirm', 'View Participant Status', 'Send Memo to All Invitees', 'Send Memo to Non-Respondent Invitees', and 'Send Memo to Meeting Participants'. A 'New Notices' table is visible in the bottom left corner.

On	Chair	Subject
1/7	Larson	30 minute r
1/8	Larson	Rnext Featu
1/9	Larson	Pre-present
1/10	Larson	Rnext Featu
2/21	Help	this is a test
5/7	Larson	Late Night a

## Calendar User Interface - continued

- Side by side conflicts - *Easier to see when you have to be 2 places at once!*
- Color code entry types - *Appointments, meetings and reminders are color-coded*
- Drag start/end time to reschedule - *Don't have to open the item to change time*
- Display dual time zones - *Travelers don't have to calculate time zone changes*
- Icons for private, pencil-in and draft

The screenshot displays the Domino Calendar interface for Kyra Jones. The main view shows a calendar for April 2002, with the 22nd selected. A detailed view of the 22nd shows several events:

- 7 am - 4 am: (empty)
- 8 am - 5 am: buy a present for Dad (reminder icon)
- 9 am - 6 am: Review Presentation (meeting icon), Location: my office, Chair: Kyra Jones
- 10 am - 7 am: (empty)
- 11 am - 8 am: (empty)
- 12 pm - 9 am: lunch with Steve (pencil icon)
- 1 pm - 10 am: (empty)

The detailed view for the 23rd shows:

- work on Performance Reviews (meeting icon)
- Parent /Teacher confere (meeting icon), Location: Glover school
- Group Meeting (meeting icon), Chair: Kyra Jones

A context menu is open over the 'Review Presentation' event, listing actions such as Reschedule, Cancel, Confirm, View Participant Status, Send Memo to All Invitees, Send Memo to Non-Respondent Invitees, and Send Memo to Meeting Participants. A green circle highlights the 'ET' and 'PT' time zone options in the navigation pane. Another green circle highlights the 'work on Performance Reviews' event, which is shown as a conflict with another event.

## Calendar User Interface - Scheduling Form

- New layout for easier scheduling
- Sametime online meetings - *Now can set up eMeetings from a single interface*
- Independent time zones in a single entry - *Makes it easy for the frequent traveler*
- Meetings/appointments can span midnight - *The Red-Eye was never so easy!*

Save and Send Invitations | Save as Draft | Scheduler | Delivery Options...

Calendar Entry  
**Meeting**

Notify me  
 Mark Private  Pencil

**Subject** Project Planning

**Chair** Kyra Jones/Swampscott

**When**  
Start 06/14/2002 09:00 AM Local time  
Duration 1 Hr.  Repeats  
End 06/14/2002 10:00 AM Local time

**Where**  
Room  
Location  
Resource  
 Online  This is an Online Meeting

**Invites**  
Required Terry North/Swampscott@Swampscott, Pat Larson/Swampscott@Swampscott  
Optional  
FYI

**Scheduler**  
 Find Best Times for Meeting  
 Look at schedule details  Look for best times

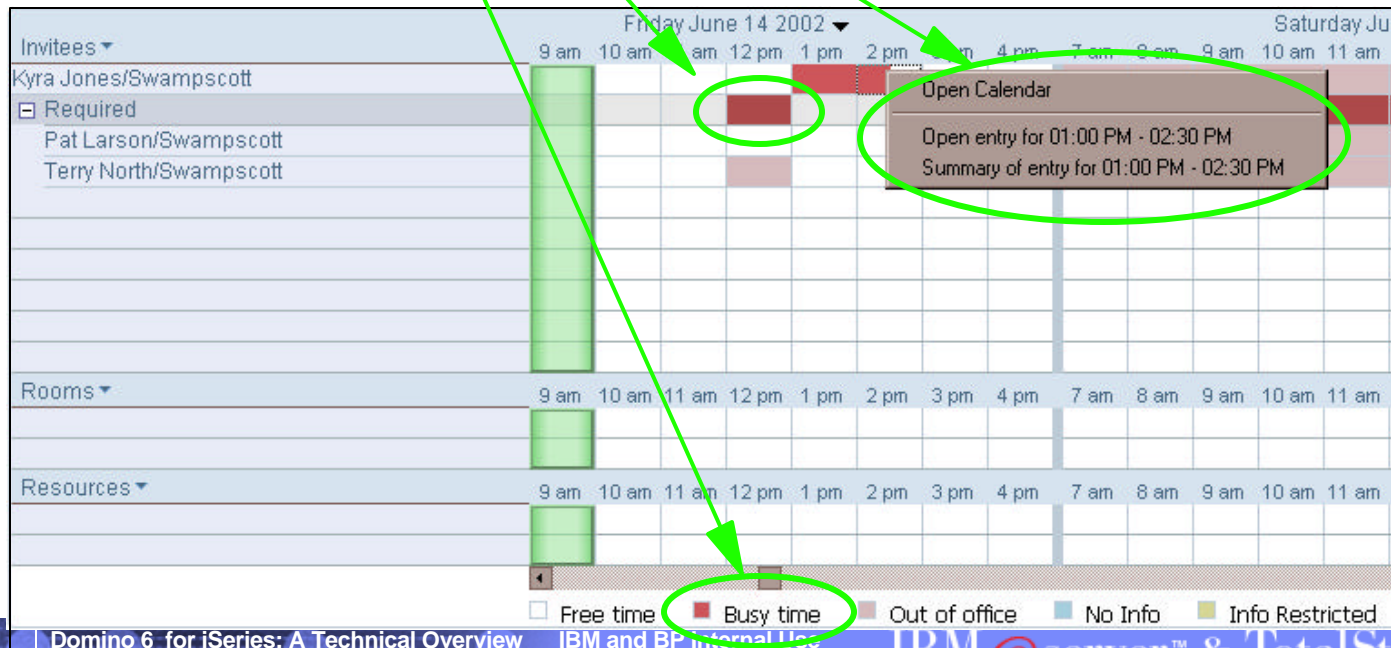
**Invites**  
Kyra Jones/Swampscott  
 Required  
Pat Larson/Swampscott  
Terry North/Swampscott

Friday June 14 2002 | Saturday June 15 2002

	9 am	10 am	11 am	12 pm	1 pm	2 pm	3 pm	4 pm	7 am	8 am	9 am	10 am	11 am	12 pm	1 pm	2 pm	3 pm
Kyra Jones/Swampscott																	
<input type="checkbox"/> Required																	
Pat Larson/Swampscott																	
Terry North/Swampscott																	

# Calendar User Interface-Scheduling Form Embedded Scheduler

- Show who can and cannot attend meetings - *One glance has all the info*
- Drag/drop appointment indicator - *Easy to move without opening appointment*
- Display appointment details
- Provide access to other calendars and appointments - *Open a calendar w/1 click*
- Provide suggested meeting times - *Let the calendar find available time for you*

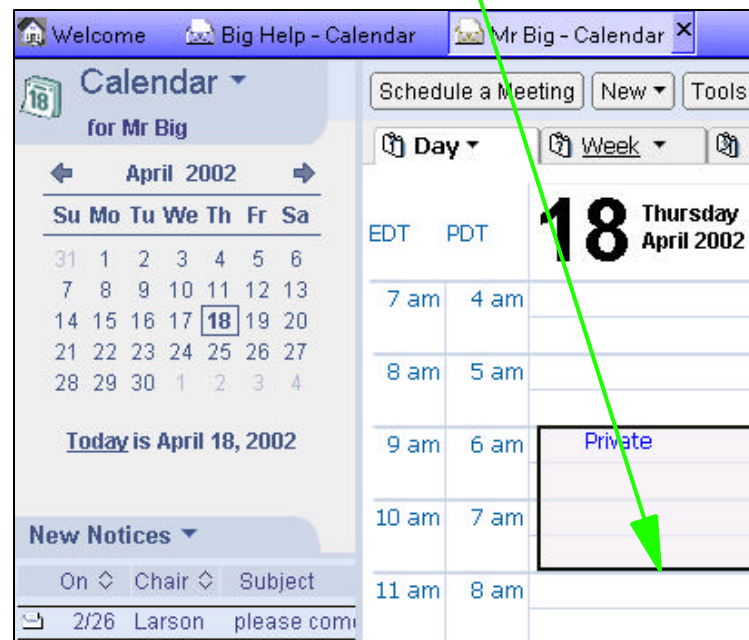
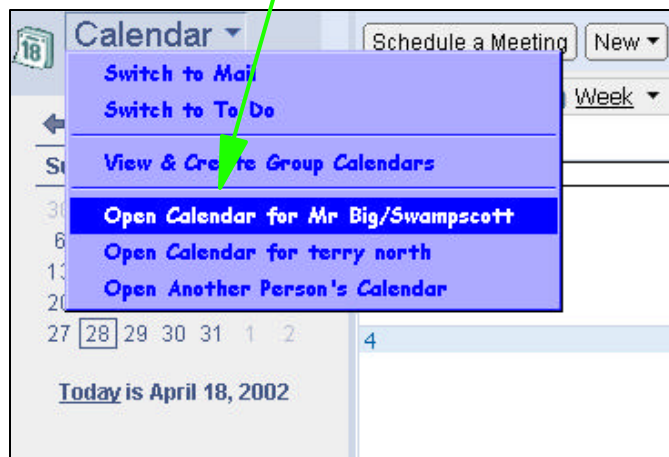




# Enterprise Calendar Management

## Secure calendar management

- Assistant can create meetings with Executive as the chairperson
- Assistant can see a placeholder for private entries in the Executive's calendar
- Action bar shortcuts to quickly open the Executive's calendar



**Benefit: Admin/Exec Assistants can more easily support multiple executives**

## Enterprise Calendar Management (cont)

Easy for assistants to manage multiple calendars

- Email notification to assistant when Executive receives invitation
- Email notification for accepts and declines when the Executive is the chairperson
- Notifications include doclinks to allow quick access to the invitation, acceptance, etc.

Multiple assistants can manage the same calendar

New Memo Reply Reply To All Forward Delete Folder Copy Into New Tools

Mr Big/Swampscott  
05/07/2002 08:42 PM

To: Big Help/Swampscott, Pat Larson/Swampscott  
cc:  
bcc:  
Subject: Forwarded Meeting Notice from Tom Hamilton: Invitation: form new team 10 01:00 PM EDT)

A Meeting Request for Mr Big requires your attention.

The subject of the notice is  
Invitation: form new team for new project (May 10 01:00 PM EDT)

The meeting is chaired by Tom Hamilton

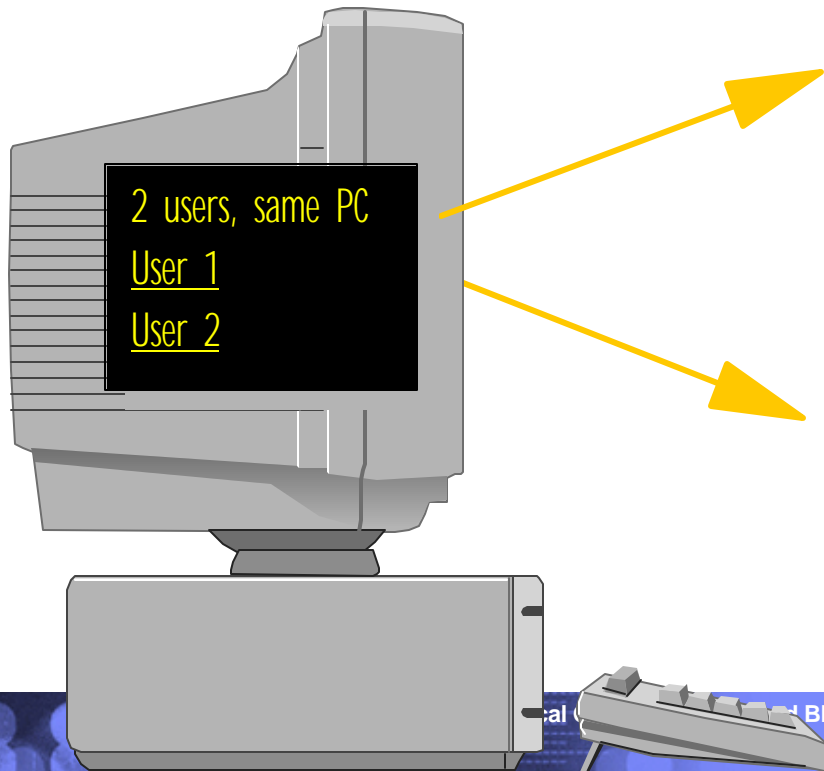
Please process this request -> [icon]

**Benefit: Admin/Exec Assistants can more easily support multiple executives**

## Mobility -- Multi-User Support

- Enables multiple users to access their personal data while sharing common information on a shared PC (Windows specific)
  - ▶ Examples of sharing a PC:
    - Part-time/job share employees
    - Visitors from remote locations
    - Factory floor setting

***Benefit: Devices can be easily shared by multiple users***



### Shared directory:

c:\document and settings\all users\...\application data\...\shared

\*.ntf	Template files
\*.mdm	Modem files
\*.hlp	Help Files

### Personal directory:

Welcome Page, Address Book, Bookmarks, Preference settings, Journal, ID file

User 1

c:\documents and settings\User1

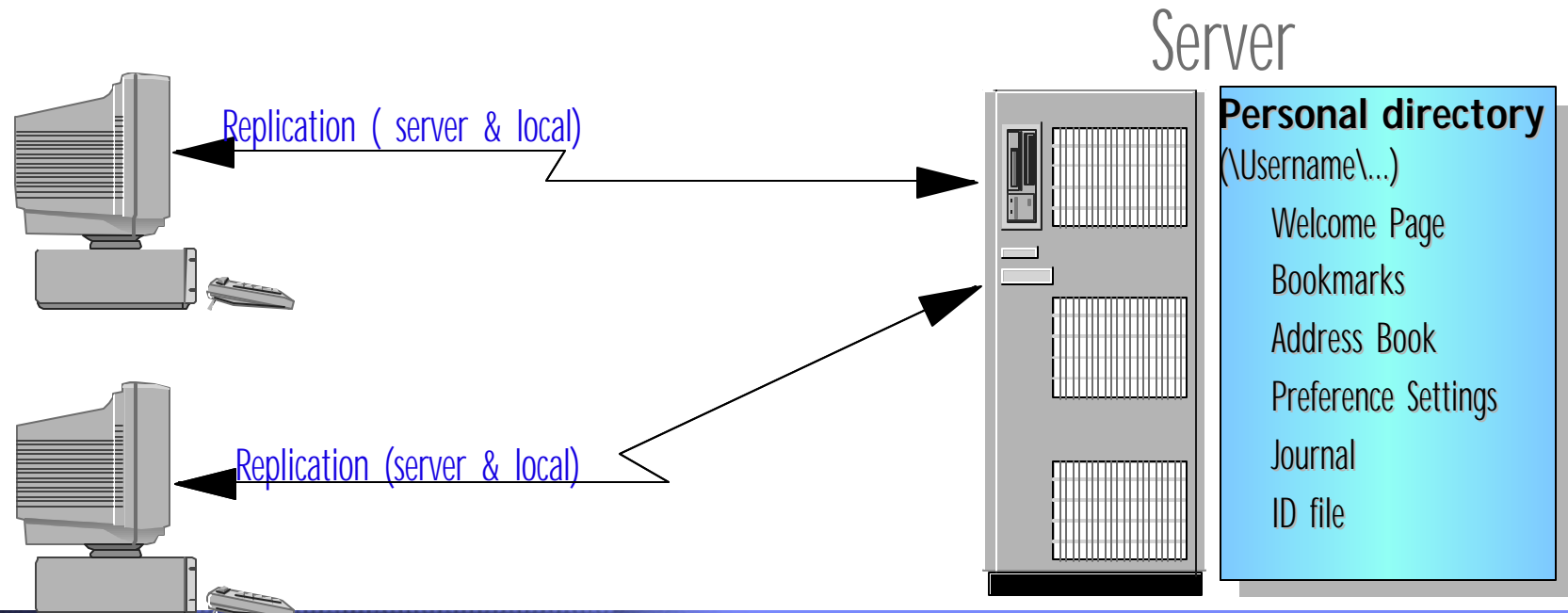
User 2

c:\documents and settings\User2

## Mobility -- Roaming User Support (*planned for 6.x*)

- Enables a user to have their information follow them and remain up-to-date, no matter what PC they are using (all client platforms)
  - ▶ Examples of multiple PCs:
    - Work and home locations
    - Remote work locations
    - Multiple PCs in the office
    - Upgrading hardware

***Benefit: Users can use different workstations to easily access their mail/appl'ns***

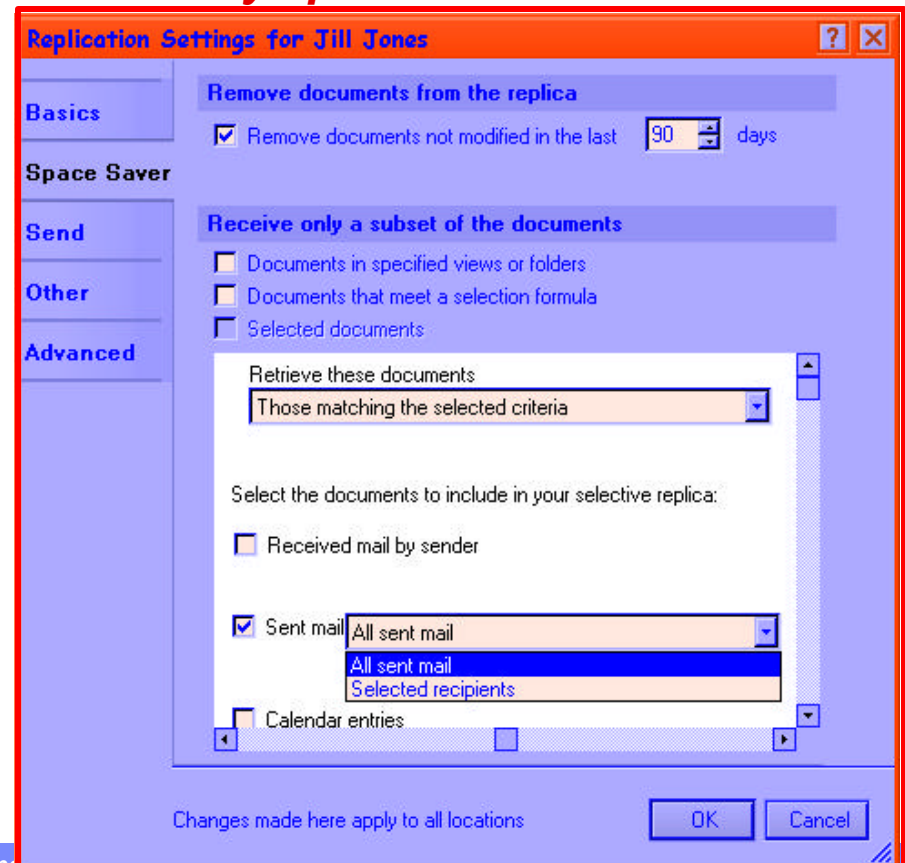
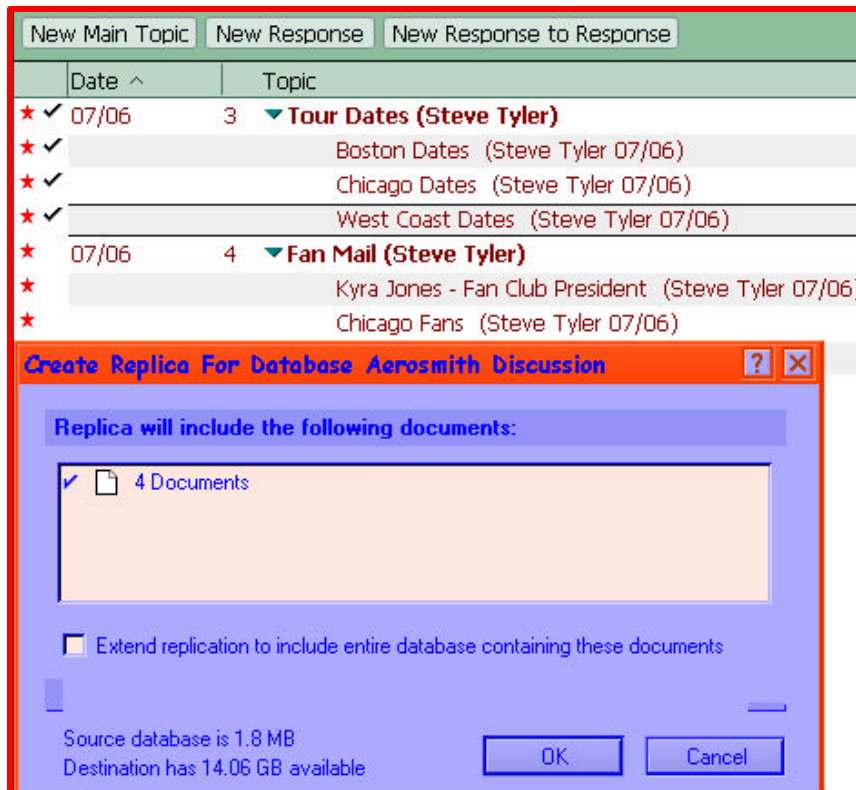


## Mobility (continued)

- Drag/drop to replicate selected documents, view or database

***Benefit: Replication can be very granular with many options***

- Selective replication form



# Features for Administrators

## Admired By Administrators

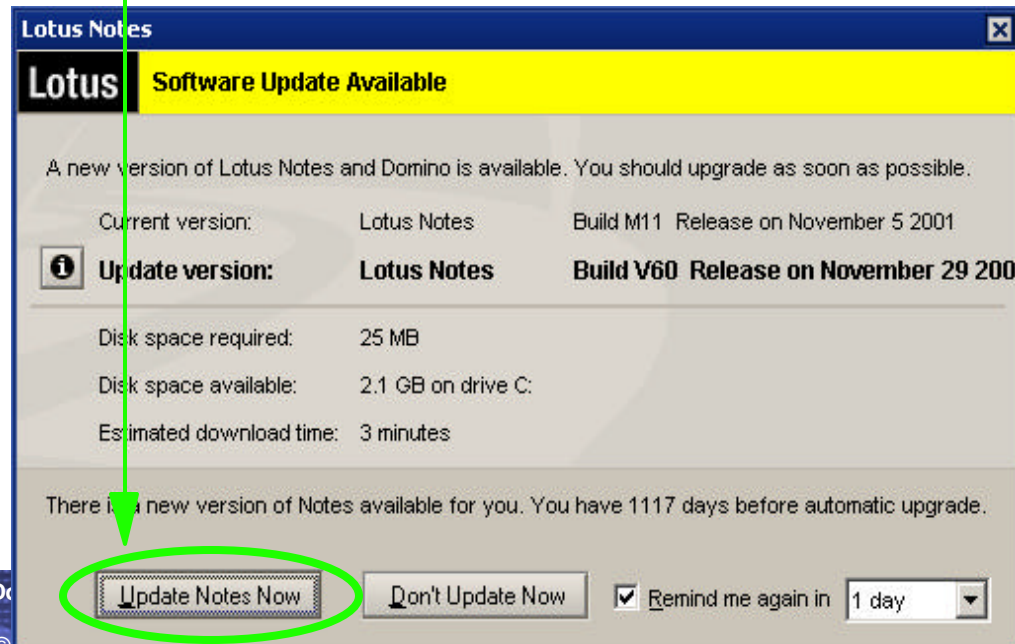
- **Smart Upgrade**
  - ▶ Drive down the cost of Notes client deployment
- **Policy Administration**
  - ▶ Tailor user settings to suit any subset of an organization
- **Transaction logging improvements**
- **Tivoli Analyzer (Server Health Monitor and Trend Analysis)**
  - ▶ Monitors, analyzes, and provides proactive notification of problem areas
  - ▶ Increase the number of servers an administrator can support
- **Directory enhancements**
  - ▶ Active Directory Sync to leverage existing expertise and systems for management of Domino Directory

Many More  
Areas!!

## Smart Upgrade Prompt Reduces TCO

- Lets administrators install upgrades at the desktop level with the push of a button
- Allows administrators to configure and distribute client upgrades to any subset of the clients using the Notes client as the distribution mechanism,
- Eliminates the need for desk-side visits!
- Administrators can configure and assign updates centrally

***Benefit: TCO greatly enhanced when upgrades do not require an "IT visit"***





## Server Health Monitoring

- At a glance status indicators
- Incorporated drill-down technology provides per-component
  - ▶ CPU
  - ▶ Memory
  - ▶ Network utilization
  - ▶ Disk utilization
  - ▶ Name Look-up
  - ▶ Mail Latency
  - ▶ HTTP, IMAP, and LDAP Response
- Dramatically shortens the problem determination cycle by isolating the troubled components

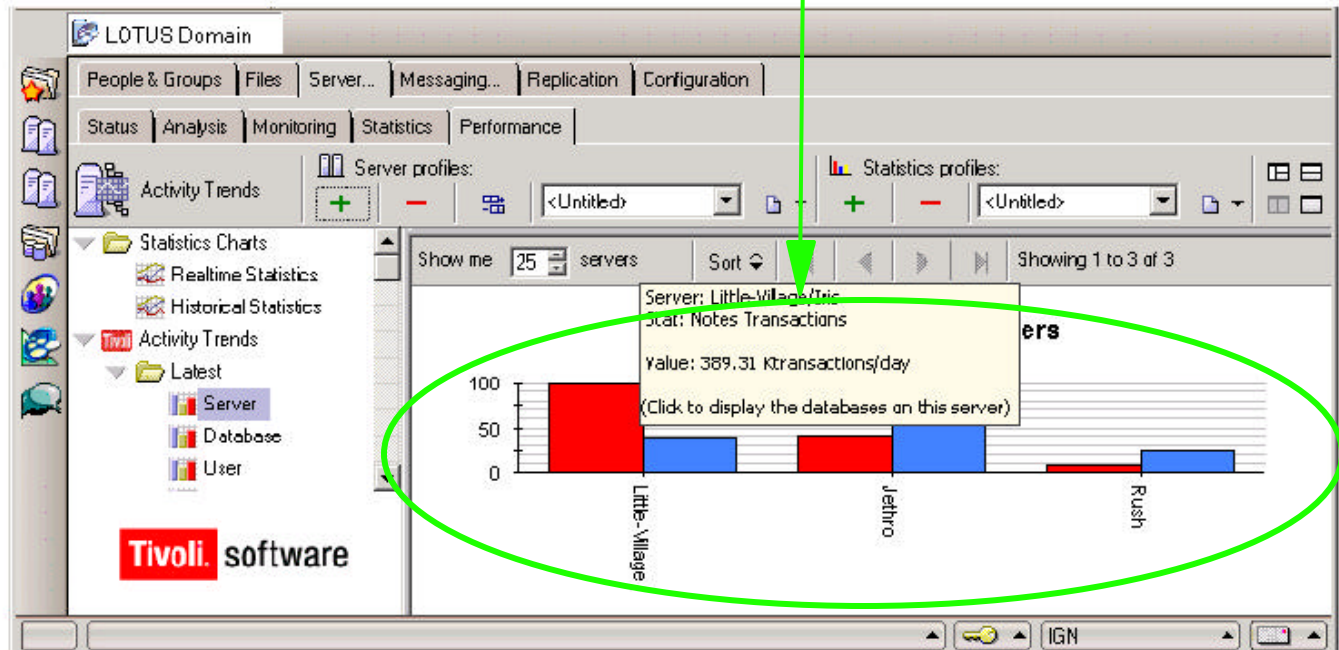
People & Groups		Files	Server...	Messaging...	Replication	Configuration			
Status	Analysis	Monitoring	Statistics	Performance					
By State		<input type="checkbox"/> Display past states reporting errors exclusive							
Hea	04:16:02 PM - 04:39:04 PM	Adm	Age	Dat	Eve	Ind	Rep	Rou	Sta
Mountain Dew/Iris									
Greyhound/Iris									
Fish/Iris									
Falcon/Iris									
Demily/Iris									
DeadWood/Iris									
cooper/Iris									
Annie/Iris									
Ace/Iris									
Alice									
Aretha/Iris									
Traffic/Iris									
pink.iris.com/Iris									
Houston/Iris									
Franklin/Iris									
Everclear/Iris									

**Benefit: Graphical view means easier problem determination**

## Activity Trends Reporting

- Summarizes the data collected by Domino 6 activity logging to track over 50 aggregate measures of server activity ranging from:
  - Notes Sessions and Bytes sent/received
  - HTTP Requests
  - Document counts
  - Full-Text Index sizes
- Administrators can now graphically compare these workload measurements across multiple servers

***Benefit: Graphical view means easier problem determination***



## Policy Based Management

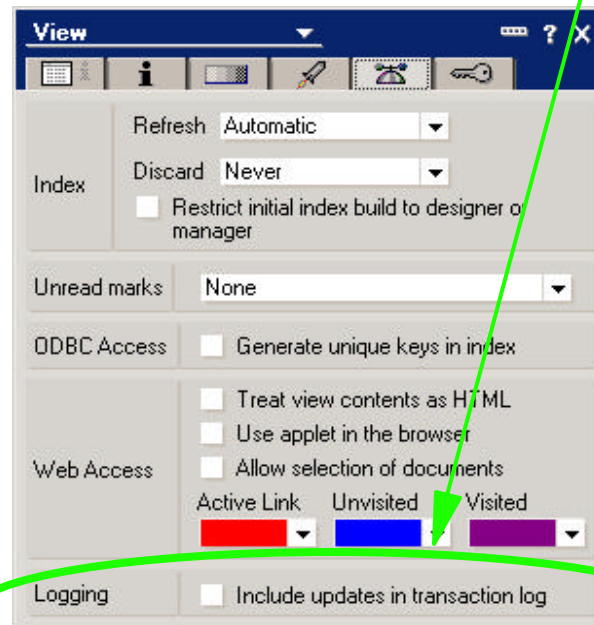
- Helps companies simplify remote management of the Notes client
- Simplifies administration - helps administrators maintain standard settings and configurations, and speeds up deployment of changes in an organization, business unit, or workgroup.
- A policy is a collection of settings related to a class of end users that can be applied when registering new users or retroactively to existing users
- Policies are easy to set up and apply
- Policies easy to extend since they use a parent/child, hierarchical model
  - ▶ For example: Control initial settings applied during client setup

***Benefit: Reduce the amount of steps it takes for user administration (TCO!)***

## Transaction Logging Improves Server Recovery

- Domino 6 optimizes server startup to speed recovery and improve up-time
- View logging is transaction logging of key views
  - ▶ Eliminates need to rebuild views after a server crash
- DB Designers can enable individual logging of key database(s)
  - ▶ Views in the directory and in applications

***Benefit: Enterprise functionality to minimize downtime***



# Features for Decision-Makers

## Compelling to Corporate

### ■ Streaming replication and attachments

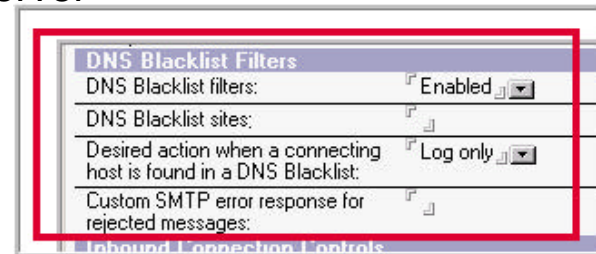
- ▶ Decrease replication time by 25%
- ▶ Users who replicate mail can start working before replication completes

### ■ Network compression

- ▶ 25% or higher saving of network bandwidth for uncompressed data
- ▶ Faster response time when opening mail on server
- ▶ Easy to implement

### ■ Anti-Spam Support

- ▶ Intercept mail from Blacklisted servers



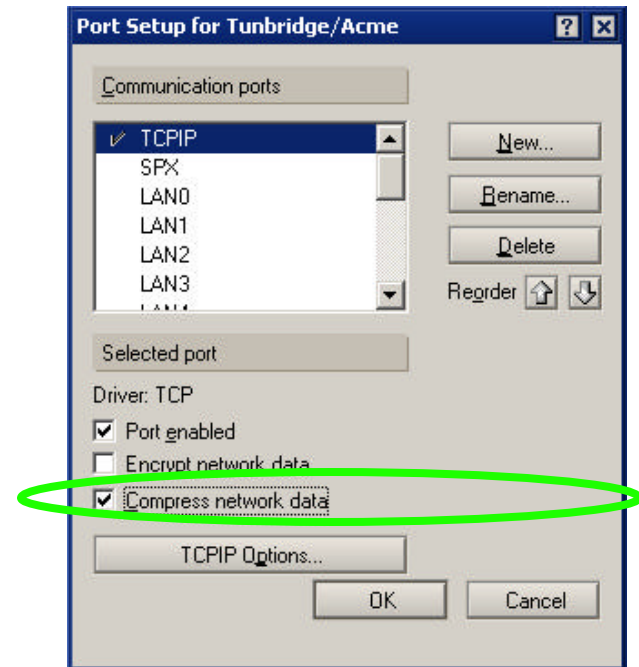
### ■ Multiple language servers

- ▶ Depending on number of languages, dramatic compression

Many More  
Areas!!

## Network Data Compression

- Domino 6 has introduced more new features to reduce network utilization
- Network compression reduces the number of bytes sent during transactions by up to 50 percent
- Connections across heavily loaded links such as WANs and XPCs will see the most benefit
- To use network compression, you must enable it on both the client and the server
- Additionally, Domino 6 incorporation of "network" streaming also reduces the overhead of large transfers



***Benefit: Network compression decreases bandwidth requirements***

# No SPAM Please!

- Pain: Unwanted messages in my infrastructure!
- Solution: Server Based Message Rules and Router Controls

**Benefit: Monitor/Eliminate mail from publicly identified DNS Blacklisted sites**

**Configuration Settings**

Basics | Router/SMTP | MIME | NOTE

Basics | Restrictions and Controls | M

Restrictions | SMTP Inbound Control

New Rule... Edit Rule... De

**New Rule**

This rule is:  On  Off

Specify Conditions

sender

When mail messages arrive that meet these conditions:

Specify Actions

journal this message

journal this message

move to database

don't accept message

don't deliver message

change routing state

sender  
subject  
body  
importance  
delivery priority  
To  
CC  
BCC  
To or CC  
body or subject  
Internet domain  
size (in bytes)  
all documents  
any attachment name  
number of attachments  
form  
recipient count  
any recipient

Add  
Remove  
Remove All

Add Action  
Remove  
Remove All

OK Cancel

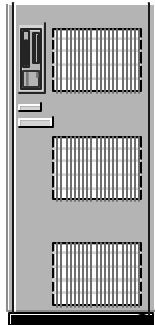
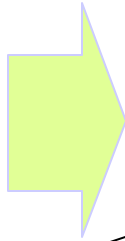
© 2005 IBM Corporation



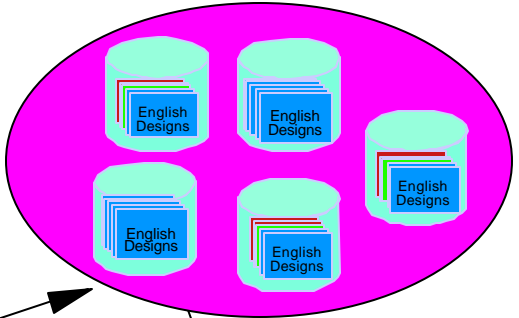
# Language Pack Support in Domino 6

- One server, many languages
- Add-on language packs
- Support for multiple languages and locals on Web Server

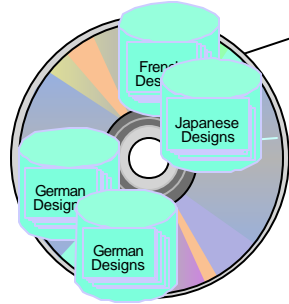
1) Install English Domino Server



## Database Templates



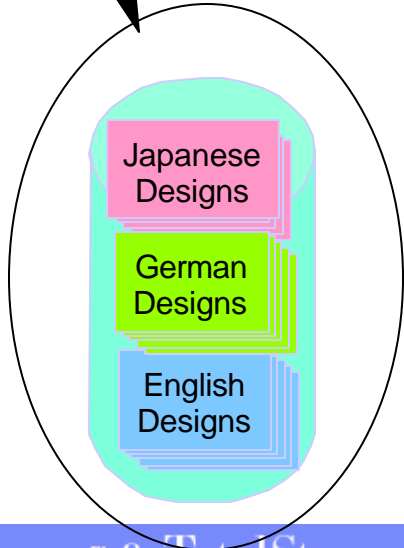
2) Install Language Packs for Japanese & German



3) Install tool merges designs into installed templates

Options:

- a) add language or replace language support
- b) select languages support per template



**Benefit: Greater flexibility to support multiple language environments on same server**

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What's new in Notes and Domino 6?

❖ **iSeries Specifics with Domino 6**

Resources

Appendix: Additional Information

# iSeries Specifics

## Domino 6 for iSeries

- **GA - mid October 2002 (web download)**
  - ▶ CD media shipment started 11/01/02
- **Used in production internally since May 2001**
- **Domino 6 for iSeries trial available**
  - ▶ <http://www.lotus.com/domino6>
- **New product number: 5733-LD6**
  - ▶ available through Lotus Passport
- **Requires**
  - ▶ OS/400 V5R1 or later
  - ▶ IBM Developer Kit for Java (5722J1) - JDK 1.3 (option 5)
- **New: Installshield Support**
  - ▶ **Uses ISMP 4.0 (Java-based) GUI interface**
    - More consistent with other platforms
  - ▶ **Allows installation with Domino CD in:**
    - iSeries server or remote PC
  - ▶ **Invoked from:**
    - EZsetup
    - iSeries Navigator
    - Java application (setup.exe in root of Domino CD)

## Domino 6 for iSeries

- **Removed: Integration via AnyMail/MSF**
  - ▶ Instead: use separate TCP/IP interfaces for Domino SMTP and OS/400 SMTP
- **Removed: Support for Domino under OS/400 HTTP server**
  - ▶ Instead: much improved Apache support
- **Removed: Directory synchronization**
  - ▶ Function no longer supported in OS/400
- **Green screens -- English only**
  - ▶ Instead: Use Operations Navigator
- **Locales not shipped with Domino**
  - ▶ Instead: Use OS/400 Locales
- **Domino 6 only available through Passport Advantage**
  - ▶ Consistent ordering / maintenance for all Lotus products

## OS/400 V5R2 Enhancements for Domino

- **Better management: Domino performance analysis/capacity planning**
  - ▶ Can use OS/400 collection services to gather Domino statistics (supported by Domino 6)
- **Better performance: OS/400 IFS memory management improvement**
  - ▶ New IFS attribute for managing memory associated with each open IFS file
  - ▶ Improves overall memory "footprint" of Domino
- **Better integration: IBM HTTP Server powered by Apache with Domino 6**
  - ▶ Domino can take advantage of Apache integration with
    - OS/400 Digital Certificate Manager
    - Cryptographic Co-Processor card
  - ▶ Domino and Apache server can run on same or different machine
  - ▶ Customer can still choose to use integrated Domino HTTP stack
    - Rewritten in Domino 6 for improved performance

## Domino for iSeries release support

	OS/400 V4R5	OS/400 V5R1	OS/400 V5R2
Domino 5.0	X	not supported	not supported
Domino 5.0.1	X	not supported	not supported
Domino 5.0.2	X	not supported	not supported
Domino 5.0.3	X	not supported	not supported
Domino 5.0.4	X	not supported	not supported
Domino 5.0.5	X	(5.0.5.02)	not supported
Domino 5.0.6a	X	(5.0.6a.01)	not supported
Domino 5.0.7	X	X	not supported
Domino 5.0.8	X	X	See Note
Domino 5.0.9	X	X	X
Domino 5.0.9a	X	X	X
Domino 5.0.10	X	X	X
Domino 5.0.11	X	X	X
Domino 6	not supported	X	X

Note: V5R2 supports Domino 5.0.8. However, the minimum level to support the new i890 hardware is V5R2 and Domino 5.0.9.

*Encourage our Domino for iSeries customers to stay more current!*

## What about extension products and Domino 6?

- Sametime
  - ▶ Currently not supported by Domino 6 (but can coexist)
- QuickPlace
  - ▶ Currently not supported by Domino 6 (but can coexist)
- Domino Fax for iSeries
  - ▶ Supported
- Lotus Workflow
  - Post GA support *planned*
- Domino.Doc
  - ▶ Post GA support *planned*
- LEI -- LEI 6 version required
  - ▶ iSeries version available now (public 'beta')



## Sametime 3.0\* New Features...

- New features unique to iSeries include
  - ▶ Multiple Sametime servers on single iSeries system or LPAR
  - ▶ Import and playback recorded meetings
- Sametime IM Gateway - connect IM communities securely
  - ▶ Secure gateway based on SIMPLE standard for interoperability
- Community services clustering
  - ▶ Enables server failover and load balancing
- File transfer (with administer controls and limits)
- "Alert me" when person comes online
- Better UI for visually impaired
- Schedule and attend emeetings from Lotus Notes
- Single signon using LTPA\* (Lightweight Third Party Authentication)

*\* Requires OS/400 V5R1 or V5R2 and Domino 5.0.10 or 5.0.11*

## QuickPlace 3.0\* New Features...

- New features for end users include
  - ▶ My Places, a personalized listing of the Places to which you have membership
  - ▶ Real-time awareness and chat
  - ▶ Search Places and advanced search functionality
  - ▶ Calendar subscription
  - ▶ Improved usability and accessibility
- New features for administrators include
  - ▶ The Place Catalog - collects data about Places
    - provides a central control point across multiple QuickPlace app'n servers and clusters
  - ▶ QPTool, a utility for executing a wide variety of administrative tasks
  - ▶ Web caching, which provides faster performance
  - ▶ SSL for LDAP directories
  - ▶ Mapping between QuickPlace and LDAP
  - ▶ Improved install/upgrading

*\* Requires OS/400 V5R1 or V5R2 and Domino 5.0.10*

*(New: fix available now to run with 5.0.11)*

## LEI 6

- Next major release of LEI
  - ▶ Better, more seamless integration with Domino
- Requires Domino 6 or Notes 6 client
- DECS remains in Domino 6
  - ▶ DECS activities now called Virtual Field Activities
- Leverages new feature of Domino 6:
  - ▶ Advanced Real-time:
    - Increased "virtualization" support
    - Allows Domino applications to access data in its native location
    - No longer a need to move or copy data
    - No programming required to access "virtual" data objects
- LEI 3.x not supported on Domino 6

## LEI 6 - Virtualization

- "Virtual" is measured relative to Lotus Domino 6
- Virtual items
  - collectively referred to as ***Advanced real-time***
  - are items not stored in .NSF, available through Domino 6 using LEI 6:
    - Virtual Fields
    - Virtual Documents
    - Virtual Attachments
    - Virtual Agents

## LEI 6 - Virtualization

- Domino R5 DECS supports virtualization of Notes fields
  - ▶ Still requires stub documents with mapping keys in Domino
- Domino 6 with LEI 6 extends virtualization support to include:
  - ▶ Virtual Documents
    - Ability to completely virtualize documents, document stored in external system
    - No key documents required in .NSF
    - Allows external data in Domino view
  - ▶ Virtual Agents
    - Ability to execute external stored procedures as agents
  - ▶ Virtual Attachments
    - Ability to seamlessly access large attachments in external systems
  - ▶ Integrated Credentials
    - Provides single signon capability
- Virtual access utilizes Lotus connector technology (LC LSX)

## LEI 6 and more

- **Preferred tools for integrating external data in Domino 6:**
  - ▶ LEI 6
  - ▶ DECS
  - ▶ Data Connection Resources (DCRs)
  - ▶ Lotus Connectors (LC LSX)
- **LS:DO still supported**
- **DB2 LSX, SAP LSX and LCJava classes no longer supported**
- **Coexistence**
  - ▶ Ability for all Lotus Connectors API tools and technologies to coexist on the same machine
  - ▶ LEI environment variables now in NOTES.INI
  - ▶ LEI and DECS use LC LSX

## So Let's Summarize:

- With Domino 6 You Can "Do More With Less"
- TCO is the Number One Focus and this is reflected in....
  - End user enhancements increase productivity
  - ▶ Administrator enhancements improve productivity, simplify management and provide greater efficiencies
  - ▶ Domino 6 offers advantages for the IT computing environment
    - Less Bandwidth
    - Less Disk Storage

*Note: See the Appendix for new Developer productivity features which make application development faster and easier*

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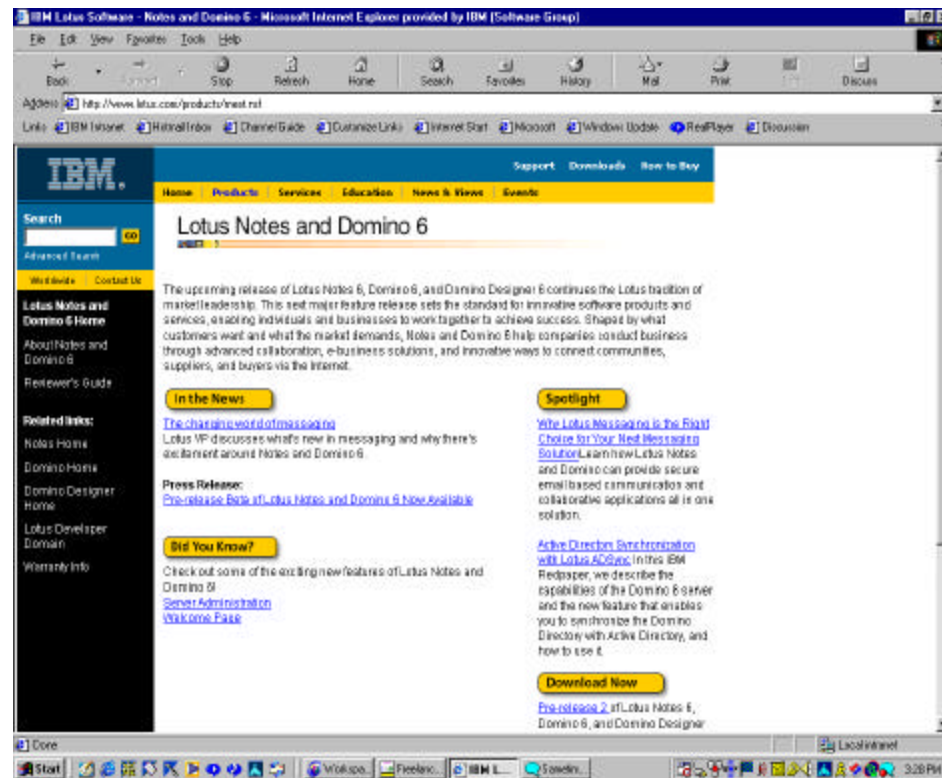
# Resources

## Documentation that ships with Domino 6 for iSeries

- Installing and Managing Domino for iSeries
- Application Development Guide for Domino for iSeries
- Domino 6 Release Notes
  - ▶ Contains iSeries specific chapter
- Documentation also available at: <http://www.lotus.com/ldd/notes6>

## Domino and Notes 6 information

- [www.lotus.com/notes6](http://www.lotus.com/notes6)
- [www.lotus.com/domino6](http://www.lotus.com/domino6)
- [www.lotus.com/idd](http://www.lotus.com/idd)



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The Technical Resource for Lotus software

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**Product Demos**

**Beta Programs**

**Products**

Our [Product Pages](#) organize technical resources for all the Lotus software products:

- Discovery Server
- Domino.Doc
- Extended Search
- LearningSpace
- Notes/Domino
- QuickPlace
- Sametime
- SmartSuite
- Workflow

**LDD Today**

LDD Today is the [technical journal](#) for Lotus software. Highlights from our July issue include:

- Policy-based system administration with Domino 6
- A preview of Sametime 3.0
- Domino.Doc 3.5 technical overview

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On the [Downloads](#) page, get the latest versions of Lotus software: trial versions, betas, and updates.

**Notes & Domino 6** Download and try out [Pre-release 2 of Notes/Domino 6](#).

Use these tools to get your Notes/Domino updates:

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Join the community in our technical [discussion forums](#) about Lotus software:

- Notes/Domino Gold Release Forum
- Notes/Domino 6 Pre-release Feedback Forum
- Domino.Doc Forum
- Extended Search Forum
- Knowledge Discovery System Forum
- LearningSpace Forum
- QuickPlace Forum
- Sametime Forum
- SmartSuite Forum
- Workflow Forum

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In the [Documentation Library](#), browse or download all the official Lotus software product documentation and release notes, or order Yellowbooks.

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- [iNotes/WebMail Login](#)
- [Smart File for Domino.Doc](#)
- [Domino ISP Tags conversion Kit](#)

# Domino 6 Downloads at <http://www.lotus.com/ldd>

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Warranty info

## Notes/Domino

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To properly configure your software download, please review the information below. Select the appropriate offering. When you are done, press the "Continue" button at the bottom.

Offering	Platform	Version	Media	Language	Availability*
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<input type="radio"/> Notes Client 6 Release Candidate Win95/98/NT/2000/XP English	Windows 2000 Windows 95 Windows 98 Windows NT Windows XP	6	download	English	Worldwide
<input type="radio"/> Notes Client 6 Release Candidate Mac English	Mac OS	6	download	English	Worldwide
<input type="radio"/> Domino Server 6 Release Candidate Win NT/2000 English	Windows 2000 Windows NT	6	download	English	Worldwide
<input type="radio"/> Domino Server 6 Release Candidate Solaris Sparc English	Solaris	6	download	English	Worldwide
<input type="radio"/> Domino Server 6 Release Candidate Linux English	Linux	6	download	English	Worldwide
<input type="radio"/> Domino Server 6 Release Candidate IBM AIX English	AIX	6	download	English	Worldwide
<input type="radio"/> Domino Server 6 Pre-Release 2 iSeries English	OS/400	6	download	English	Worldwide

Do
©

## Additional Useful Web Sites

- [www.ibm.com/series/domino](http://www.ibm.com/series/domino)
- [w3.lotus.com/knac](http://w3.lotus.com/knac) (IBM Intranet)
  - ▶ Software downloads, Sales tools, knowledge base, etc.
- [www.lotus.com/partners](http://www.lotus.com/partners)
- [as400service.ibm.com](http://as400service.ibm.com)
- [www.lotus.com/support](http://www.lotus.com/support)
- [www.redbooks.ibm.com](http://www.redbooks.ibm.com)
- [www.lotus.com/sametime](http://www.lotus.com/sametime)
- [www.lotus.com/quickplace](http://www.lotus.com/quickplace)

*Don't forget about the Domino First Install Customer Assistance (FICA)*

# end-to-end Technical Support ...the Key Links

## How to engage Technical Sales Support

- ✓ External Support:
  - ✓ <http://www.ibm.com/support>
- ✓ Sizing Tool - <http://www.ibm.com/servlet/EstimatorServlet>



<http://publib.boulder.ibm.com/pubs/html/as400/infocenter.html>

<http://www-1.ibm.com/servers/eserver/series/education/key.html>



## IBM @server iSeries University

<http://www.ibm.com/servers/eserver/series/education/>



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<http://www.ibm.com/eserver/series/support>



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# Appendix: Additional Information - Features for Developers

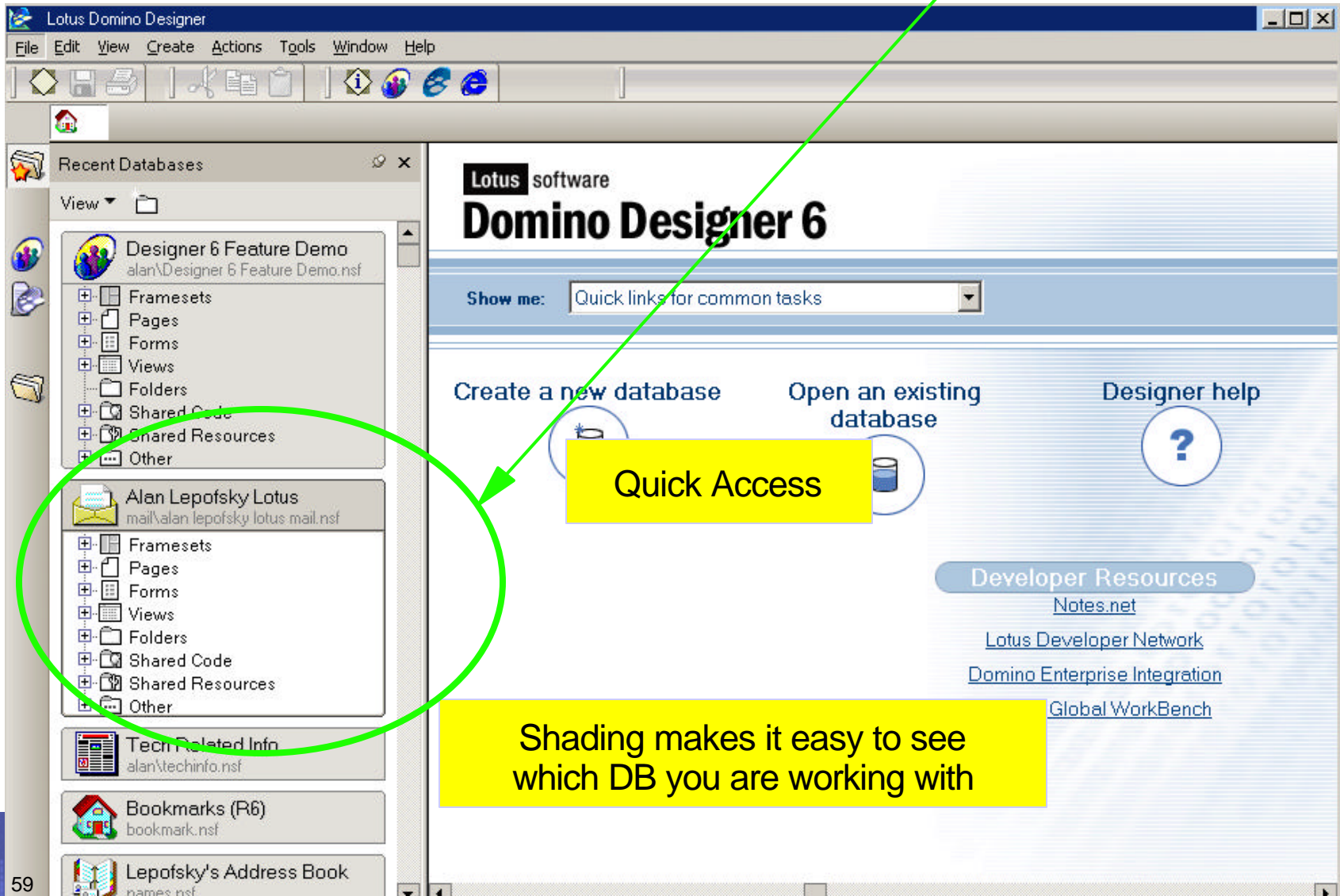
## Delightful to Developers

- **Domino Designer 6 Interface Enhanced**
  - ▶ Easier to navigate, Easier to find components
- **Design Element Folders**
  - ▶ Group resources by application
- **Auto-complete for @Functions, @Commands and LotusScript**
- **Printing of Source Code**
- **Shared Code and Shared Resources**
  - ▶ Sharing elements through an application
  - ▶ Maintain it in only one place
- **Document Locking Improves Team Development**
- **Cascading Style Sheets (CSS)**
- **Layers, Rich Text Lite, Field Hints, Buttons, Tables, Sections, Column Colors, ....**
- **LEI 6 and Virtual Views**
  - ▶ Create flexible Notes/Domino application leveraging back-end investments

Many More  
Areas!!

# Domino Designer 6 User Interface is Enhanced

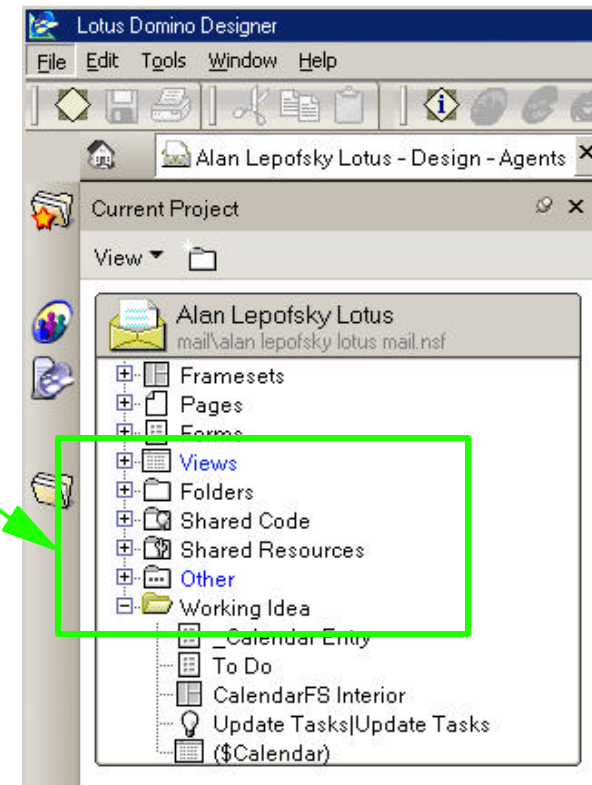
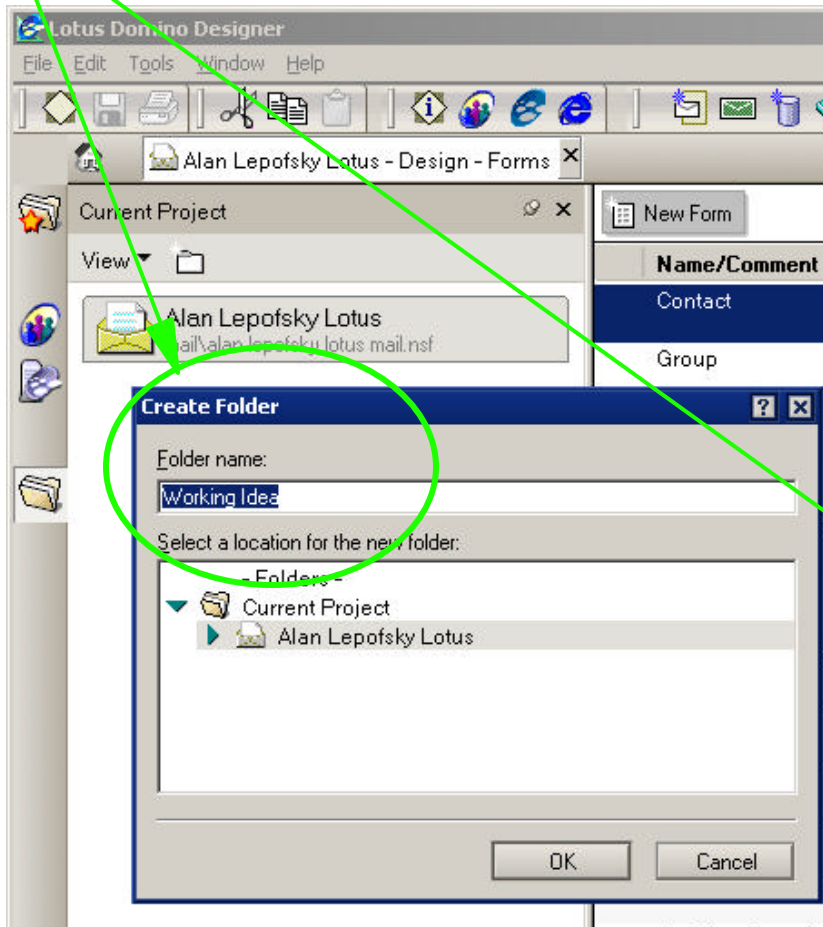
***Benefit: Programmers are more productive due to easier access***



## Folders to Hold All Design Elements

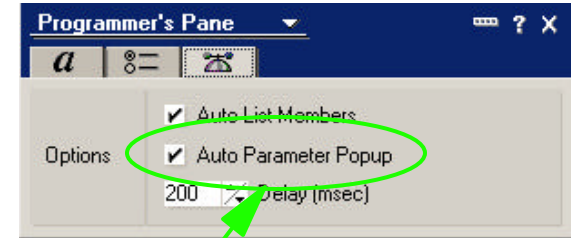
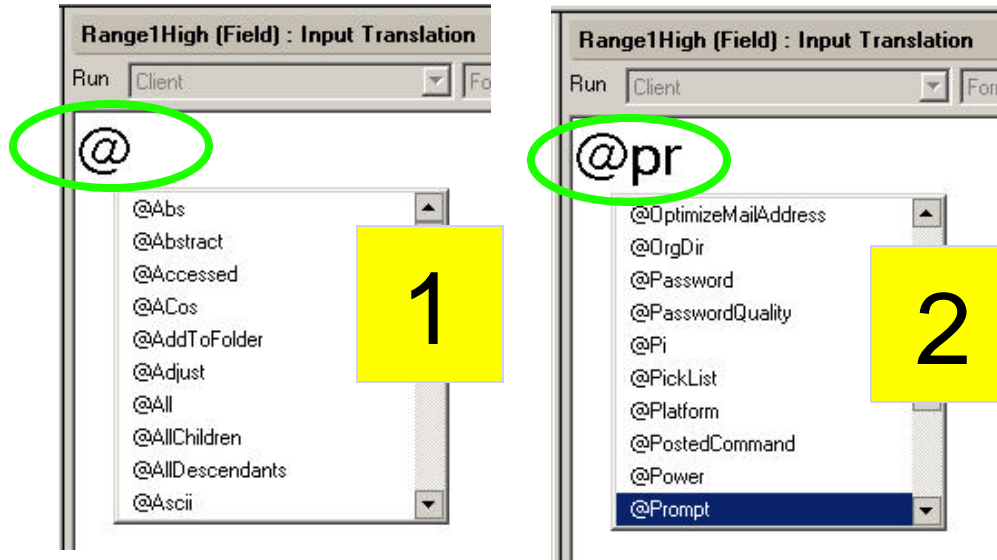
Can put all databases and programming elements for specific application in a folder!

**Benefit: Programmers can organize applications more efficiently**



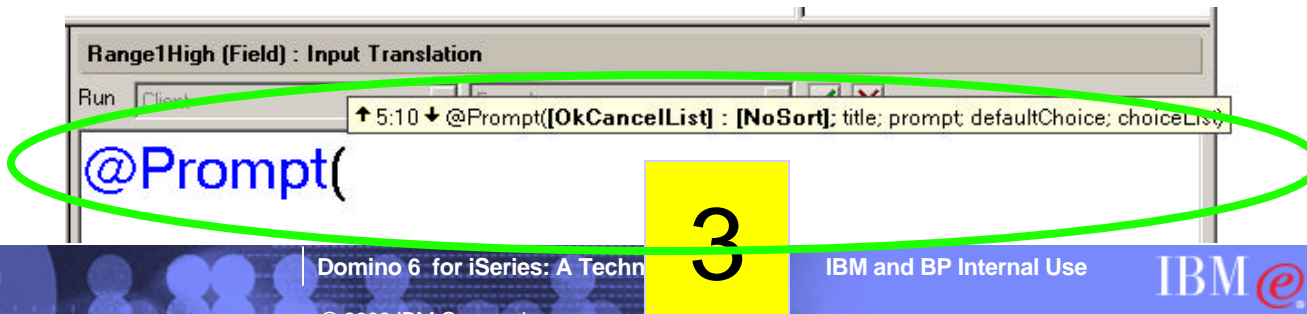
# AutoComplete for @Functions

- Completes code as you type
- Shows parameter help
- Also for @Commands and LotusScript



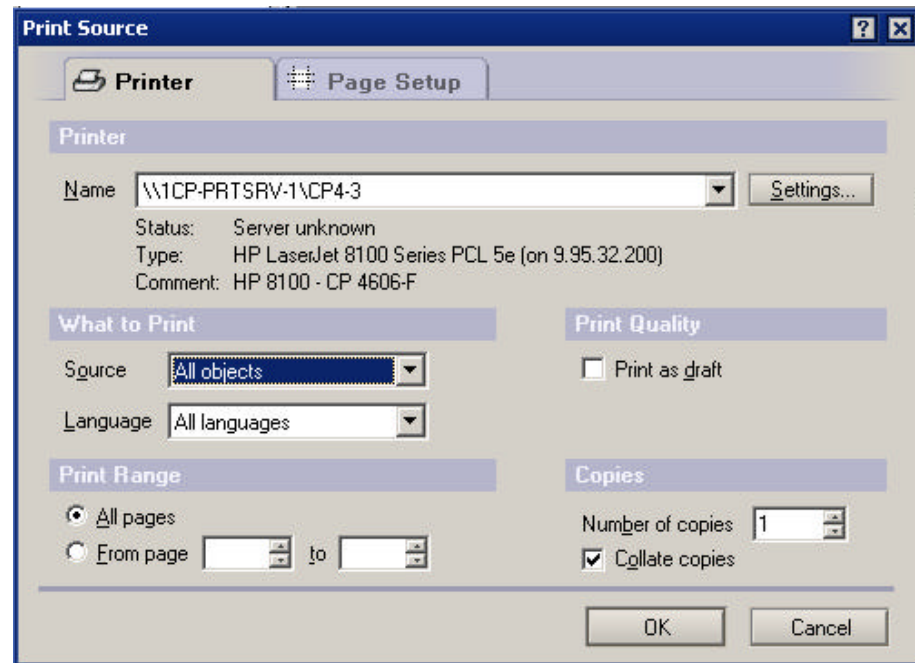
Easy to turn on

**Benefit: Prompting and syntax checking for @Function, @Commands and LS**



## Print Source Code

- This print dialog box lets you print source code from within the Programmer's pane
- For formulas, simple actions, LotusScript, JavaScript, and Java (but not imported Java files)
- Source...
  - ▶ Current selection
  - ▶ Current object
- Languages...
  - ▶ All objects
  - ▶ Current language
  - ▶ All languages



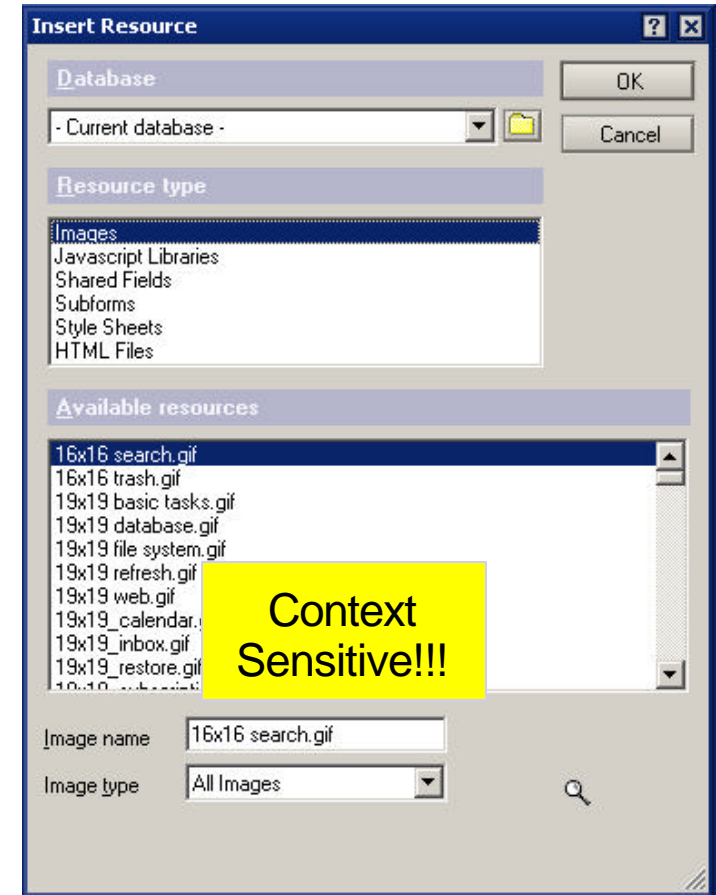
***Benefit: Print source code with options - No more copying to a WP document!***

## Shared Code and Shared Resources

Sharing elements lets you reference a resource repeatedly throughout an application, while only having to maintain it in one standard place.

- Image resources: graphic files that can be used throughout your application
- Shared Fields: define a field for use on more than one form
- Non-NSF files: within and across databases
- Subforms: A subform is a collection of fields, graphics, buttons, and actions you plan to use in more than one form
- Script libraries: a place for storing code that can be shared in the current application using LotusScript, JavaScript, and Java or in other applications using JavaScript and Java
- Shared Java files: For large Java applets with multiple files, it is most efficient to store some of the related files as shared resources in the database
- Shared Actions: Use shared actions in forms, pages, folders, or views to set up user-activated tasks
- Style sheets: cascading style sheet (CSS) to be inserted it into a page, form, or subform

***Benefit: Define once and reference many times - pgmr productivity & time saver!***



## Document Locking

- If the database property "Allow document locking" is set, users with Author access or higher can lock documents in that database.
- Locking a document prevents editing and replication conflicts by ensuring that the document lock owner has exclusive access to modify the document

**Benefit: Documents are locked across multiple replications securing access**

The image shows two screenshots from a Domino environment. The left screenshot is the 'Database' settings window for 'My RNext Features Info'. The 'Allow document locking' checkbox is checked and highlighted with a green box. The right screenshot is the 'Document Library' window for the same database. A context menu is open over a document, and the 'Lock Document' option is highlighted with a green circle. A green arrow points from the 'Allow document locking' checkbox to the 'Lock Document' option in the context menu.



## Cascading Style Sheets (CSS)

- Enables easy control of many aspects of your page layout (including headers, links, text, fonts, styles, color, and margins).

***Benefit: Easily maintain corporate "look and feel" with parent documents that can automatically update "children" copies used in your applications***

The screenshot shows the Lotus Domino Designer interface. The main window displays a form design with a wooden background. A 'Form' properties dialog is open, showing options for 'Graphic or Resource' (with buttons for Paste, Import, and Remove), 'Resource' (set to 'Computed'), and 'Options' (including checkboxes for 'Hide graphic in design mode', 'Hide graphic on 16 color displays', and 'Allow users to change these properties', and a 'Repeat' dropdown set to 'Tile'). A red box highlights the 'Graphic or Resource' section, and a red arrow points to the 'Remove' button. Below the 'Form' dialog, the 'Edit Formula' dialog is open, showing the following formula:

```

Formula
REM (DNT);
ThemeCh := @If("theme" + ThemeChoice);

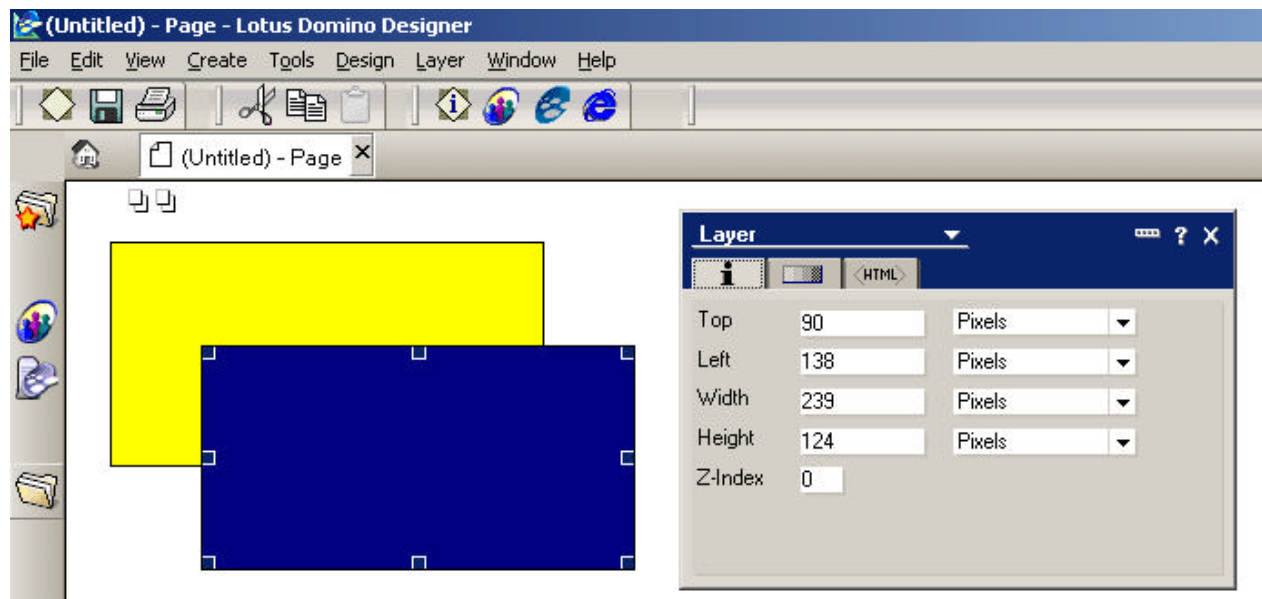
@If(ThemeChoice = "100" | ThemeChoice = "", "theme2"; ThemeCh)
  
```

The 'Edit Formula' dialog has buttons for 'Fields & Functions...', 'Done', and 'Cancel'.

## Layers - A programmer's dream tool

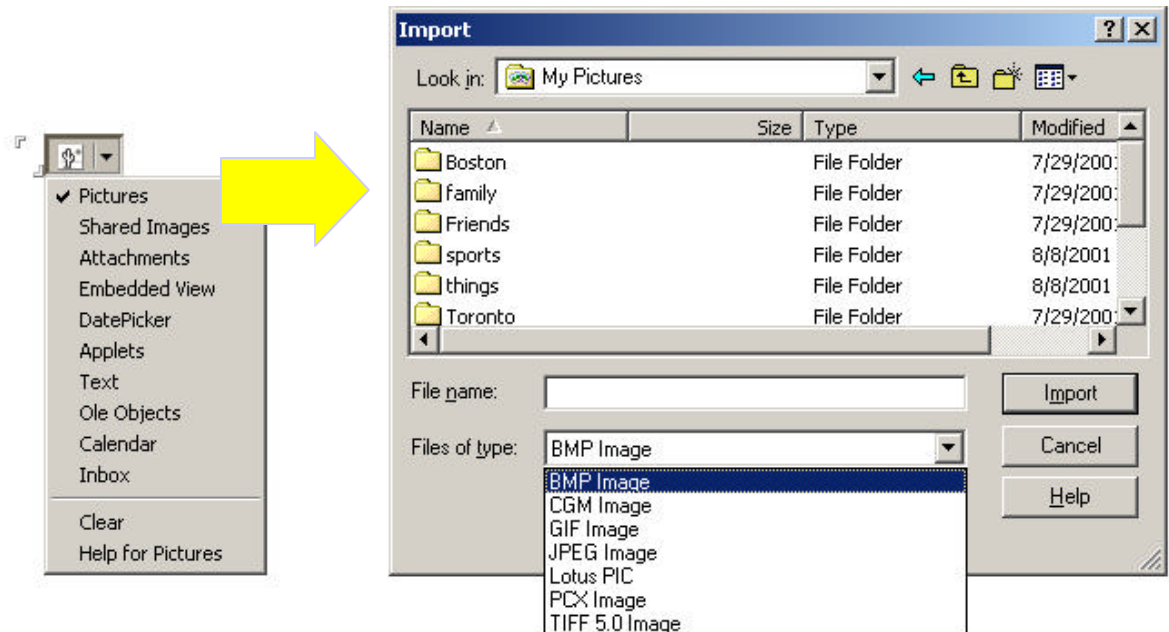
- Easier, more precise placement of design elements
- Use for:
  - ▶ Grouping design elements
  - ▶ Absolute positioning
  - ▶ Overlapping contents
- Can be created in a Page, a Form or a Subform

***Benefit: Group design elements and move them as a single unit on the page***



## Rich Text Lite Fields

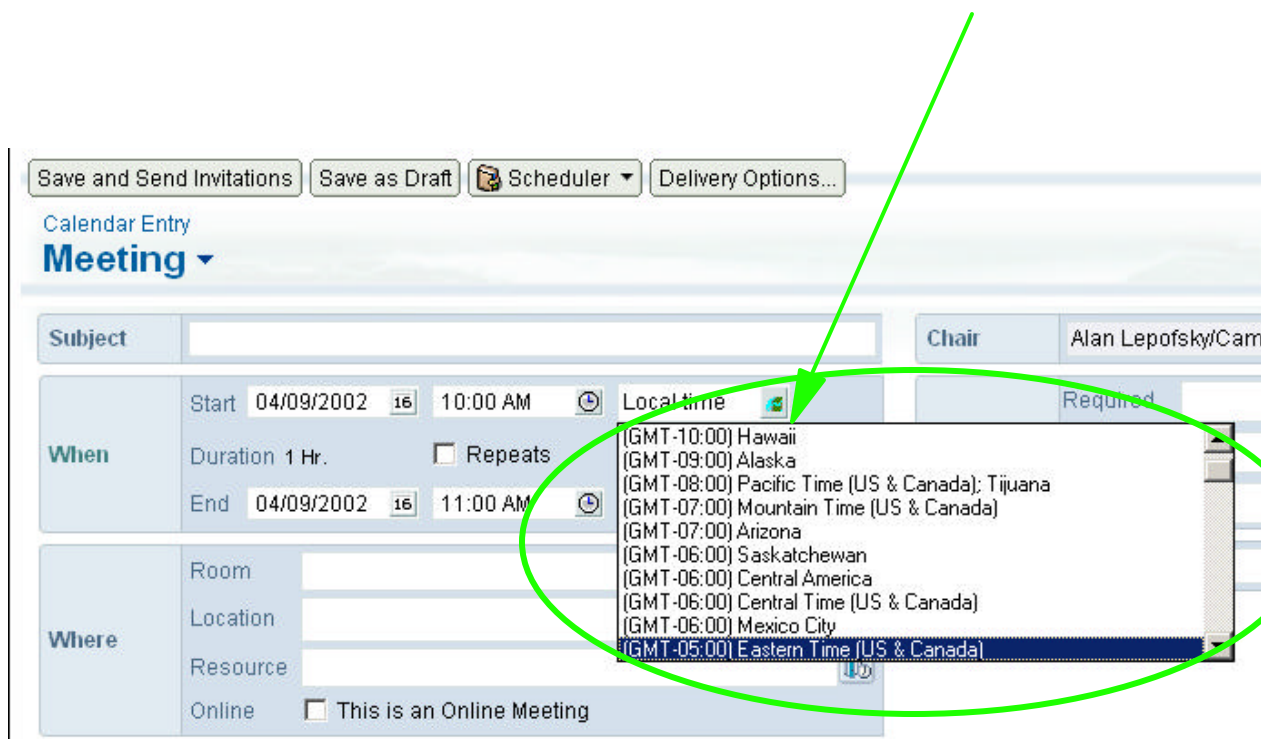
- ▶ Provides users with a fast way to add object into a field.
- ▶ When the user clicks the helper icon, a dialog box appears which corresponds to the chosen element type.
- ▶ The elements listed in the drop-down menu are the only elements the user is allowed to insert into the rich text lite field.
- ▶ Possible elements:
  - Pictures
  - Shared Images
  - Attachments
  - Views
  - Date Picker
  - Shared Applets
  - Text
  - OLE Objects
  - Calendar
  - Inbox



***Benefit: More programming control over rich text fields***

## Time Zone Fields

- A time zone field lets you display a drop-down list of all available time zones in the world, including the local time zone.
- Each time zone listed includes a partial list of the cities or locations found in that time zone.

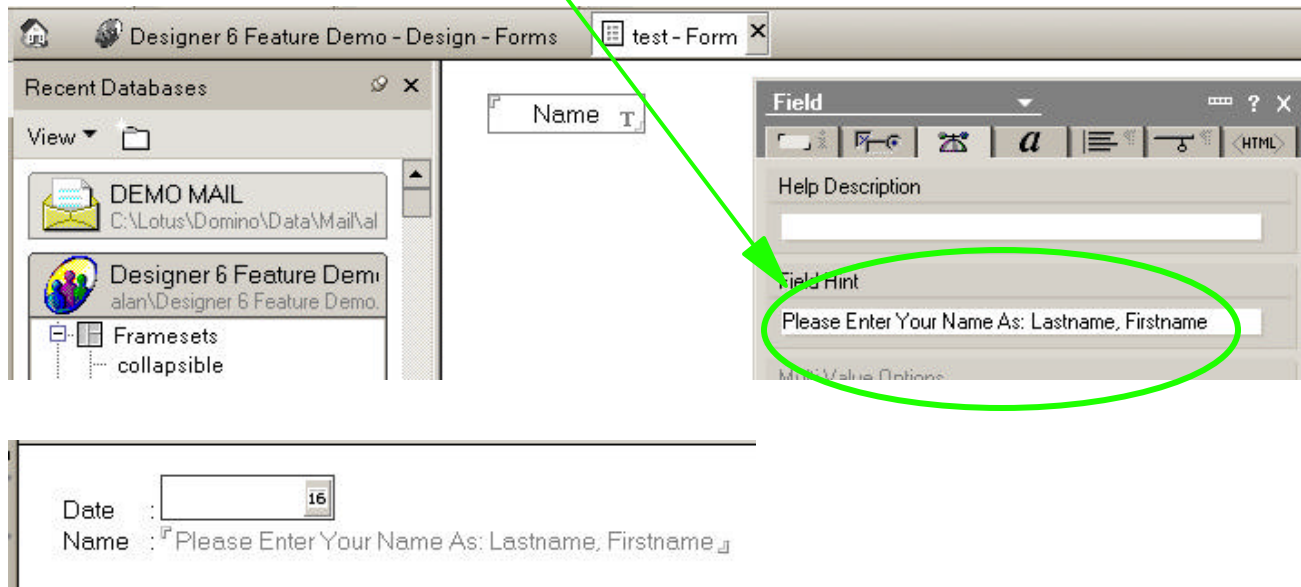


The screenshot shows a web-based meeting scheduler interface. At the top, there are buttons for "Save and Send Invitations", "Save as Draft", "Scheduler", and "Delivery Options...". Below this is a "Calendar Entry" section with a "Meeting" dropdown. The main form has fields for "Subject", "Chair" (Alan Lepofsky/Cam), "Start" (04/09/2002 10:00 AM), "End" (04/09/2002 11:00 AM), "Duration" (1 Hr.), and "Repeats". A "When" section contains a time zone dropdown menu currently set to "Local time". A green circle highlights this dropdown, and a green arrow points to it from above. The dropdown menu is open, showing a list of time zones with their corresponding cities: (GMT-10:00) Hawaii, (GMT-09:00) Alaska, (GMT-08:00) Pacific Time (US & Canada); Tijuana, (GMT-07:00) Mountain Time (US & Canada), (GMT-07:00) Arizona, (GMT-06:00) Saskatchewan, (GMT-06:00) Central America, (GMT-06:00) Central Time (US & Canada), (GMT-06:00) Mexico City, and (GMT-05:00) Eastern Time (US & Canada). The "Where" section includes fields for "Room", "Location", "Resource", and an "Online" checkbox labeled "This is an Online Meeting".

***Benefit: Flexibility to support geographically diverse users in different time zones***

## Field Hints

- Text that helps the user to fill in the field
- The text disappears when the user moves the cursor into the field, and is not saved with the document

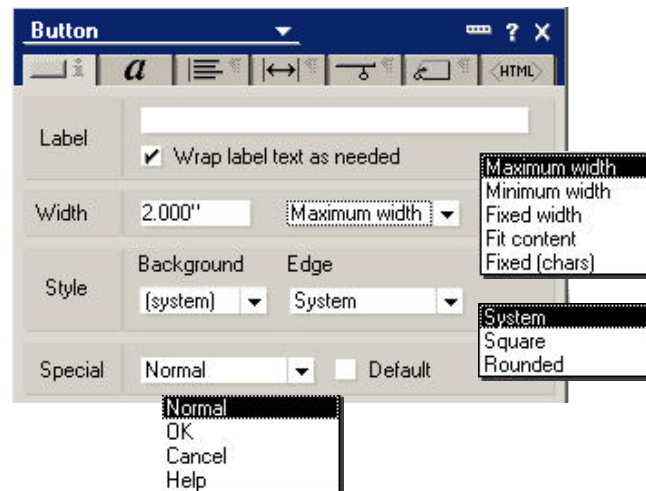


***Benefit: Nice tool that benefits end user interface without impacting disk space***

# Buttons

## New Size and Style Options

- Round Buttons

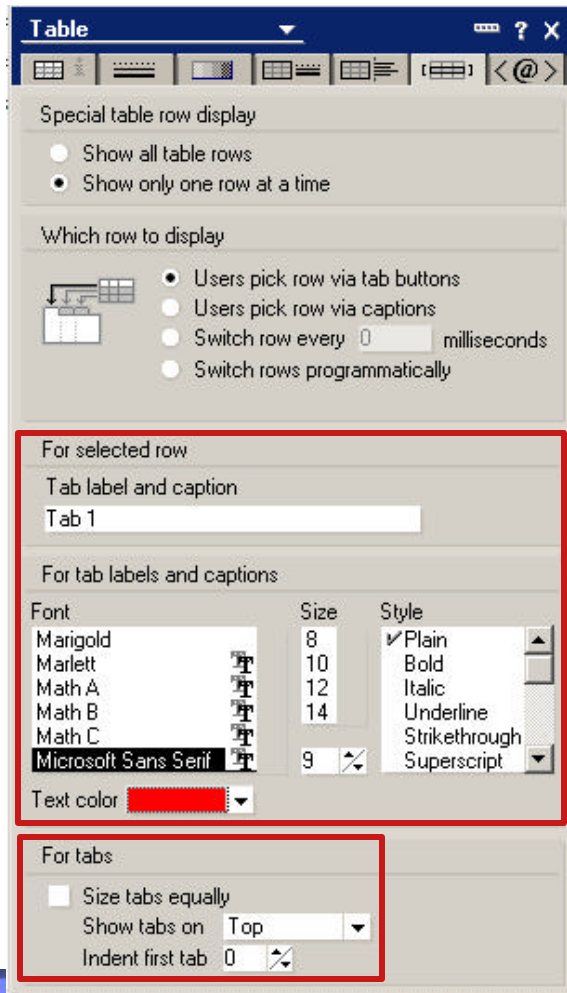


***Benefit: Variety is the spice of life!***

**Benefit: More options for designing tables with tabs**

## Table Enhancements

- Control all options for Tab Labels

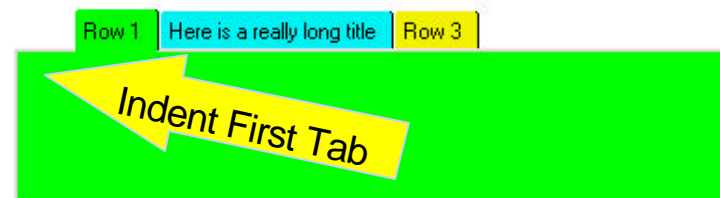
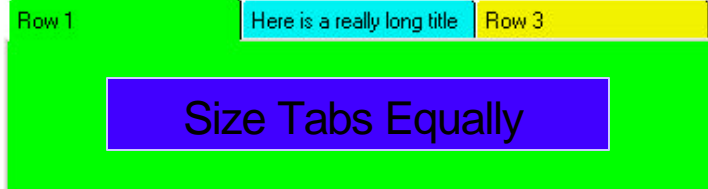


Tab 1 | Tab 2 | Tab 3 | Tab 4

Example with tabs on **TOP**

Example with tabs on **BOTTOM**

Tab 1 | Tab 2 | Tab 3 | Tab 4



# New Sections Styles

**Benefit: More options for presenting text in applications**

Windows  
Title Bar

Signature

**Alan Lepofsky - Customer Council Management, Lotus Solutions**  
1 Charles Park, Office 4506, Cambridge, MA. 02142  
office phone: 617.693.1970 --- internet email: [alan\\_lepofsky@lotus.com](mailto:alan_lepofsky@lotus.com)  
AOL Instant Messenger Screen Name : alanlepofsky

Windows  
Tab

**Alan Lepofsky - Customer Council Management, Lotus Solutions**  
1 Charles Park, Office 4506, Cambridge, MA. 02142  
office phone: 617.693.1970 --- internet email: [alan\\_lepofsky@lotus.com](mailto:alan_lepofsky@lotus.com)  
AOL Instant Messenger Screen Name : alanlepofsky

Angled  
Tab

Signature

**Alan Lepofsky - Customer Council Management, Lotus Solutions**  
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AOL Instant Messenger Screen Name : alanlepofsky

Gradient  
Fill

Signature

**Alan Lepofsky - Customer Council Management, Lotus Solutions**  
1 Charles Park, Office 4506, Cambridge, MA. 02142  
office phone: 617.693.1970 --- internet email: [alan\\_lepofsky@lotus.com](mailto:alan_lepofsky@lotus.com)  
AOL Instant Messenger Screen Name : alanlepofsky



# Column Colors

**Benefit: Present data in easy to analyze formats**

Region Jan Feb Mar Apr May June July Aug Sep Oct

Objects Reference

Untitled (Column) : Column Value

Display  Simple Function  Field  Formula

```
red := 255:0:0;
yellow := 255:255:0;
green := 0:255:0;

month := Jan ;

@If( month < 25 ; red:red ; month < 75 ; yellow:yellow ; month >= 75 ; green:green ; plain)
```

Region	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Region 01	Yellow	Green	Red	Red	Green	Yellow	Green	Yellow	Green	Red	Green	Green
Region 02	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Red	Yellow	Green	Green	Yellow	Green
Region 03	Yellow	Green	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Green	Red	Yellow	Red
Region 04	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Green	Green	Red	Red	Red
Region 05	Red	Green	Green	Yellow	Yellow	Yellow	Green	Yellow	Green	Green	Green	Green
Region 06	Green	Green	Red	Red	Yellow	Yellow	Green	Yellow	Green	Green	Green	Green
Region 07	Yellow	Green	Green	Yellow	Yellow	Yellow	Green	Yellow	Red	Green	Green	Green
Region 08	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Red	Yellow	Green	Red	Green	Green
Region 09	Red	Yellow	Yellow	Yellow	Yellow	Green	Green	Yellow	Green	Yellow	Green	Green
Region 10	Green	Yellow	Yellow	Red	Red	Green	Green	Green	Yellow	Yellow	Yellow	Green
Region 11	Yellow	Green	Green	Yellow	Yellow	Yellow	Red	Red	Green	Green	Yellow	Green
Region 12	Green	Red	Red	Red	Yellow	Green	Yellow	Green	Red	Red	Yellow	Red
Region 13	Green	Red	Red	Red	Yellow	Yellow	Green	Yellow	Yellow	Red	Green	Green
Region 14	Yellow	Yellow	Yellow	Red	Red	Yellow	Red	Yellow	Green	Red	Yellow	Green
Region 15	Yellow	Yellow	Yellow	Yellow	Yellow	Green	Yellow	Red	Red	Green	Green	Green
Region 16	Red	Yellow	Red	Yellow	Yellow	Green	Yellow	Red	Red	Green	Yellow	Yellow

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IBM	IBM (logo)	Lotus Notes	iNotes *	People Places and Things	

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