Introducing Lotus Domino 8, Designer 8 and Composite Applications
IBM Lotus collaboration product strategy

- **Rich client**
- **Windows/Office**
- **Browser**
- **eForms**
- **Portal**
- **RSS/Atom**
- **Mobile**

**Interaction and client services (online or offline)**

- **Lotus Domino**
  - Mail, calendaring and collaborative applications
- **Lotus Sametime**
  - Unified communications and collaboration services
- **Lotus Quickr**
  - Collaborative document management and team services
- **Lotus Connections**
  - Social Software for Business
- **WebSphere Portal**
  - Composite application and integration services

**Composite application framework**

- **Business process**
- **Information**
Compatibility makes it easy to upgrade

No Rip and Replace -- the Lotus Notes and Domino 8 release is compatible with previous versions:

✓ Same proven infrastructure
✓ Same data stores
✓ Same model for customizing the mail template
✓ Same Security infrastructure
✓ Same Directory
✓ Same Admin tools
✓ Same Replication
✓ Same set of application APIs
All existing Notes applications run in Notes/Domino 8

Why should you care?

- Investment protection through re-use and architectural integrity
- Upgrade, not a migration
- 17 years of precedent - unprecedented

Each release of Lotus Notes and Domino software has provided new and refined capabilities; yet each has remained compatible with all previous versions.
Business “Composite” applications

new generation
situational application
connected with internal and external data feeds
act as aggregators at point of need
add value to enterprise applications
easy to export data

traditionally, all kinds of applications are data and collaboration silos
Mashups for business

- Build and deploy next-generation composite applications
- Leverage easy-to-use composite application templates
- Customize interfaces easily
- Get high value for low cost—quickly
- Take advantage of client and server frameworks
Valuable capabilities delivered through disparate user experiences...
...elevated to a context-specific dynamic workspace

Aggregate multiple applications and systems into single, customized interfaces
Composite Applications - Hands On

Lets get our hands dirty and see a composite application come to life.
Tools to build Components

- **Lotus Domino Designer**
  - script oriented development
  - standard Notes database design plus inter component communication

- **IBM Lotus Component Designer**
  - script oriented development
  - creates native components for browsers through WebSphere Portal
  - creates native components for rich clients (future)

- **Eclipse / Rational tools**
  - comprehensive Java, Eclipse and SWT capabilities
  - and Lotus Expeditor Toolkit
Extensións a Lotus Domino Designer 8

Nuevos elementos de diseño

- **Wiring Properties** - (WSDL XML)
  - Contiene definiciones de propiedad y acciones
  - Modificado a través del Editor Broker de Propiedad

- **Aplicaciones** - (CA XML)
  - Contiene el diseño de la plantilla y navegación
  - Contiene relaciones de evento/acción
  - Modificado a través del Editor de Aplicaciones Compuestas
Build NSF components with Lotus Domino Designer

- Property Broker Editor and Import WSDL functions to support properties and actions

**New property for actions**

**New LotusScript APIs** for procedural support of inter-component communication (event/action relationships)

**Onselect view event handler**

**New property for view/folder columns**
Building Eclipse-based Components

- Use the open source Eclipse development platform to build Java components.
- Properties and actions can be defined via Eclipse extension points and WSDL.
- Properties can be exposed via Java APIs.
## Domino Designer 8 Enhancements

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Narrow Views</strong></td>
<td>Specify individual column behavior when view is narrowed (like the Mail inbox)</td>
</tr>
<tr>
<td><strong>“On Server Start” Agents</strong></td>
<td>Agents can now be set to run on 'server start'</td>
</tr>
<tr>
<td><strong>Business Card Views</strong></td>
<td>Use the business card view (as seen in Contacts) in your own applications</td>
</tr>
<tr>
<td><strong>User Selectable Viewers</strong></td>
<td>Specify multiple viewers to allow end user to switch format through action bar</td>
</tr>
<tr>
<td><strong>Threaded Views</strong></td>
<td>In context thread expansion, as used in the new Mail template.</td>
</tr>
</tbody>
</table>
| **Programming Language Additions** | @IsUsingJavaElement  
                                   @GetViewInfo([GetFormName])  
                                   @Command([CopySelectedAsTable])  
                                   @Command([OpenInNewWindow]) |
Hardware and Software Requirements

- **IBM Lotus® Domino® Server Operating Systems**
  - Microsoft® Windows® 2003 Server
  - IBM AIX® 5.3
  - Novell SUSE Linux 10
  - Red Hat Enterprise Linux® 5
  - Sun Solaris 10
  - IBM i5/OS®, V5R4¹
  - IBM z/OS® Version 1, Release 7 or later *²

- **Memory Requirements**
  - 512 MB RAM minimum
  - * 1GB MB RAM minimum

- **Disk Space Requirements**
  - 1.5 GB minimum
  - ¹ 2 GB minimum
  - ² 2.5 GB minimum

[see http://www-3.ibm.com/software/lotus/support/ for more information]
Hardware and Software Requirements

- IBM Lotus Notes® Client
  - Standard Configuration
    - Operating System Requirements
      - Microsoft Windows XP, Windows Vista
      - Novell SUSE Linux Enterprise Desktop 10 XGL
      - Red Hat Enterprise Linux Desktop 5
    - Memory Requirements
      - 512 MB RAM minimum, 1 GB RAM recommended
    - Processor Requirements
      - Intel® Pentium® 4, 1.2 GHz minimum
  - Basic Configuration
    - Operating System Requirements
      - Microsoft Windows XP, Windows Vista
    - Memory Requirements
      - 256 MB RAM minimum, 512 MB RAM recommended

Basic Configuration supports Administrator and Designer Clients
Lotus Notes Client Options

- **Lotus Notes Client**
  - Eclipse-based
  - Preferred configuration, full-featured

- **Basic Configuration**
  - Microsoft Windows C++ client
  - For less powerful desktops
  - Does not support composite applications, plug-ins, or Java™ views

- **IBM Lotus Domino Web Access**
  - Browser-based Access
**Welcome to Your IBM Online Learning**

Learning Editor to: Frank Adams

Sent by: Betty Zechman

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**Welcome to Your IBM Online Learning!**

Help for Advisor and Quarterly Touchpoints

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*IM Value:*

Dedication to every client's success

Innovation that matters - for our company and for the world

Trust and personal responsibility in all relationships

---

Read what your colleagues are saying about the Your IBM
### Lotus Notes Client, Basic, & Web Access Feature List

<table>
<thead>
<tr>
<th>Feature</th>
<th>Notes</th>
<th>Basic</th>
<th>DWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Button</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sidebar Plug-ins</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouped Document Tabs</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thumbnail View</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unified Preferences</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi-level Undo</td>
<td>★</td>
<td>★</td>
<td></td>
</tr>
<tr>
<td>In-line Spell Checking</td>
<td>★</td>
<td>★</td>
<td></td>
</tr>
<tr>
<td>Windows Selection Model</td>
<td>★</td>
<td></td>
<td>★</td>
</tr>
<tr>
<td>Collaboration History</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Window Themes</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Search Center</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IBM Support Assistant</td>
<td>★</td>
<td></td>
<td></td>
</tr>
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<th>Feature</th>
<th>Notes</th>
<th>Basic</th>
<th>DWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mail Header</td>
<td>✴</td>
<td>✴</td>
<td>✴</td>
</tr>
<tr>
<td>Mail Addressing (Recent Contacts)</td>
<td>✴</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertical Preview</td>
<td>✴</td>
<td></td>
<td>✴</td>
</tr>
<tr>
<td>Conversations</td>
<td>✴</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mail Recall</td>
<td>✴</td>
<td>✴</td>
<td>✴</td>
</tr>
<tr>
<td>Out of Office Enhancements</td>
<td>✴</td>
<td>✴</td>
<td>✴</td>
</tr>
<tr>
<td>New Calendar Views</td>
<td>✴</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unprocessed Meeting Invitations</td>
<td>✴</td>
<td>✴</td>
<td></td>
</tr>
<tr>
<td>Check Calendar Creating New Meeting</td>
<td>✴</td>
<td>✴</td>
<td></td>
</tr>
<tr>
<td>Uncheck Invitees When Scheduling</td>
<td>✴</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Lotus Notes Client, Basic, & Web Access Feature List

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<th>Notes</th>
<th>Basic</th>
<th>DWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal notes to Meeting</td>
<td>★</td>
<td>★</td>
<td></td>
</tr>
<tr>
<td>Business Card Contacts View</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IBM Lotus Sametime® 7.5.1 Contacts</td>
<td>★</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Composite Applications</td>
<td>★</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Upgrade Path

Lotus Domino

Servers

Lotus Notes

Clients

Applications
Upgrading the Client First?

- Yes! Supported during upgrade process
  - Lotus Domino 8 Server needed for
    - Mail Recall
    - Out of Office enhancements
    - Unprocessed Meeting Invitations
- Planning the Notes and Domino 8 Deployment
- Deploying Lotus Domino 8 server
- Deploying the Notes 8 Client
- Coexistence: Domino/Domino and Domino/Microsoft Exchange
- Lotus Notes 8 Client Features
- Productivity Tools
- Domino Web Access
- New Administration Features
- New Concepts in Administration: Eclipse, Composite Applications and Provisioning
- IBM WebSphere Portal Integration
- New Application Development Features
- Appendix A. Considerations for upgrading from Notes and Domino 6.5.x to 8
- Appendix B. Lotus Notes and Domino Client Feature Comparison

Lotus Domino 8 - Notable Improvements

- Administration
  - Lotus Domino hosted provisioning of Lotus Notes 8
  - AdminP performance gains
  - Lotus Domino Domain Monitoring improvements
  - Redirect bookmarks after database moves and deletes
  - Automatic Inbox cleanup

- Directory
  - Entitlement to IBM Tivoli® Directory Integrator for use with Lotus Domino

- Security features
  - Internet account lockout due to password entry failure
  - Stronger 4096 bit encryption keys and simplified key rollover

- Performance & Scalability
  - Improvements to reduce I/O, CPU and storage costs
Lotus Domino 8 : DB2 Integration

- Many customer & business partner applications have been deployed using Lotus Domino 7 Limited Availability for IBM DB2® Software
- General availability in Lotus Domino 8.0
  - Microsoft Windows, IBM AIX, Linux
  - IBM DB2 9 support
  - Supported for both mail and applications
  - Simplified administration
  - Performance and size optimization

![Create View Window]

SELECT EMPLOYEE FIRSTNAME, EMPLOYEE LASTNAME, EMPLOYEE WORKDEPT,
MANAGERS MGRNAME, "FROM" + "LS200 MANAGERS AS MANAGERS, DBADMIN
IN EMPLOYEE AS EMPLOYEE","WHERE MANAGERS.WORKDEPT = EMPLOYEE.WORKDEPT"
Included with Notes & Domino*…

- IBM Productivity Tools
- Lotus Sametime’s instant messaging & presence awareness
- IBM DB2 features
- IBM WebSphere® Portal Server (limited entitlement)
- IBM Tivoli® Directory Integrator features

And coming soon…

- IBM Lotus Quickr® Personal Edition

* Restrictions apply
## Product Entitlements

<table>
<thead>
<tr>
<th>Product</th>
<th>Entitlement</th>
<th>For</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lotus Sametime</strong></td>
<td>Instant messaging &amp; presence awareness.</td>
<td>Instant messaging and presence awareness</td>
</tr>
<tr>
<td></td>
<td>* Additional functions within Lotus Sametime require full Lotus Sametime license</td>
<td></td>
</tr>
<tr>
<td><strong>IBM DB2</strong></td>
<td>For use within the Domino environment only.</td>
<td>DB2 database can be used as an alternative datastore for applications that will benefit from a relational database</td>
</tr>
<tr>
<td><strong>WebSphere Portal</strong></td>
<td>20 seats of WebSphere Portal for each Lotus Domino Enterprise Server deployed</td>
<td>Implementation of server-side composite applications. (Client side composite apps do not require WebSphere Portal.)</td>
</tr>
<tr>
<td><strong>IBM Tivoli Directory Integrator</strong></td>
<td>For use within the Lotus Domino environment only.</td>
<td>For synchronizing in multi-directory environments</td>
</tr>
</tbody>
</table>
## Sametime Entitlement Comparison

<table>
<thead>
<tr>
<th>Capability</th>
<th>Entitled in Notes 8</th>
<th>Entitled in Notes 7</th>
<th>Available with Sametime License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presence</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Instant Messaging chat</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>N-way chat</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Sort contact list</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Show short names</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Show online only</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Time stamps</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Chat history</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Rich text</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Emoticons</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Emoticon palettes</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Business card display</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Contact type ahead</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Capability</th>
<th>Entitled in Notes 8</th>
<th>Entitled in Notes 7</th>
<th>Available with Sametime License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spell Check</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Full Sametime client or any external clients</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Web conferences/Instant Meetings</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Sametime Toolkits (including embedded IM through ST Links)</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>SIP Gateway/Sametime Gateway (Public IM)</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Mobile access/Sametime Mobile</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Selective who can see me</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Set alerts</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Send File (File Transfer)</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>3rd party telephony (e.g., click-to-call) or multi-way video</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Voice chat</td>
<td>No</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Video chat (native point-to-point video)</td>
<td>No</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Multiple Sametime communities</td>
<td>No</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Set geographic location</td>
<td>No</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Screen capture tool</td>
<td>No</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>Selective DND</td>
<td>No</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>IM-specific plugins</td>
<td>No</td>
<td>N/A</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Futures
Lotus Domino 8.0.1 Plans

- 64 bit native Lotus Domino version
  - Microsoft Windows and IBM AIX® support

- New OS platform versions planned
  - Microsoft Windows 2008 “Longhorn” support (targeting support within 90 days of Windows 2008 availability)
  - IBM AIX 6.1 support
  - IBM i5/OS® R6 support

- FIPS 140-2 email encryption for Lotus Notes

Note: Current plans. Information is subject to change
Lotus Domino “Next” Plans

- **Reduce complexity of managing Lotus Notes identities**
  - Eliminate need for Lotus Notes password for authentication
  - Simplify Lotus Notes ID management
  - Allow names to be managed in Microsoft Active Directory/LDAP

- **Address storage costs**
  - Reduce duplicate attachment storage
  - Reduce database size via new compression algorithms
  - Address I/O bandwidth

- **Improve quality of service**

*Come to IBM Lotusphere 2008 for more news!*
Lotus Notes & Domino Application Development roadmap

- **Today:** Open, extensible, and innovative solution platform
  - Integrate multiple applications as single, customized interfaces
  - Harness the knowledge/skills of existing/new developer communities
  - Reduce complexity through interoperability/reuse across multiple systems
  - More easily leverage the structure and power of relational data stores

- **Future:** New options to extend your for-business solutions
  - Lotus Domino as a premiere Web 2.0 application server
  - Updated developer tool capabilities for quicker time-to-value
  - Additional access methods to data and business logic
  - Expanded programmability and user interface options

*More news @ IBM Lotusphere® 2008!*

*Note: Current plans. Information is subject to change*
Lotus Notes + Lotus Domino

Collaboration beyond Email
Calendar, instant messaging, shared documents, editors, applications

Protect your information
Control access, encrypt data, high availability

Increase business agility
Open, standards-based, operating system flexibility, extensible

Protect investments
Simple upgrade, leverage existing applications, managed desktop