

# The Grand Tour of XPages in Notes/Domino 8.5.3 Upgrade Pack 1



**BLUG**  
Belux Lotus User Group

Martin Donnelly  
Tony McGuckin

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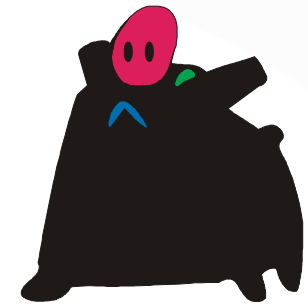
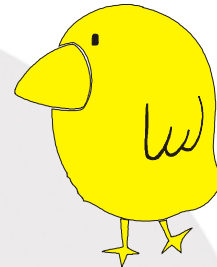
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# Before We Begin...

- Please turn off:
  - Pagers
  - Cellphones
  - Anything else that buzzes, sings, screams, beeps, chirps, barks, etc.



# Agenda

- **Speaker Introduction**
- Why Do You Need Upgrade Packs ?
- What Is Upgrade Pack 1 for Notes/Domino 8.5.3 ?
- Exploring Upgrade Pack 1
- Wrap Up

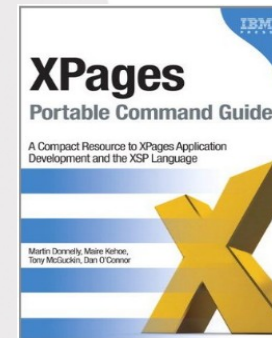


# Speaker Introduction



## Martin Donnelly

- **Software Architect: IBM Ireland**
  - IBM Lotus® Domino® Designer 8.5.x / IBM Lotus® Domino® XPages
  - IBM Lotus® Component Designer 6.0
  - JavaServer™ Faces (JSF) Tooling IBM® Rational® Application Developer
  - Java Visual Editor extensions for IBM® Rational® Application Developer
- **Software Developer: Iris Associates / Lotus Development**
  - IBM Lotus® Domino® Designer V4.6 to V6.01
  - IBM Lotus® 1-2-3® for Unix®,
  - LotusScript, etc.
- **Author**
  - Mastering XPages
  - XPages Portable Command Guide

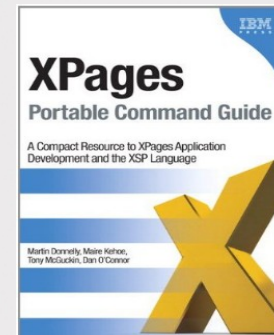


# Speaker Introduction

## Tony McGuckin



- Software Engineer: IBM Ireland
  - With IBM since 2006
    - XPages Runtime
    - Product & Template development
    - Customer Enablement & Proof-of-Concept development
    - Co-creator of global XPages@... Workshops
  - Lotus OneUI Adoption Workgroup
- Author
  - Mastering XPages
  - XPages PCG



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# A New Development Model

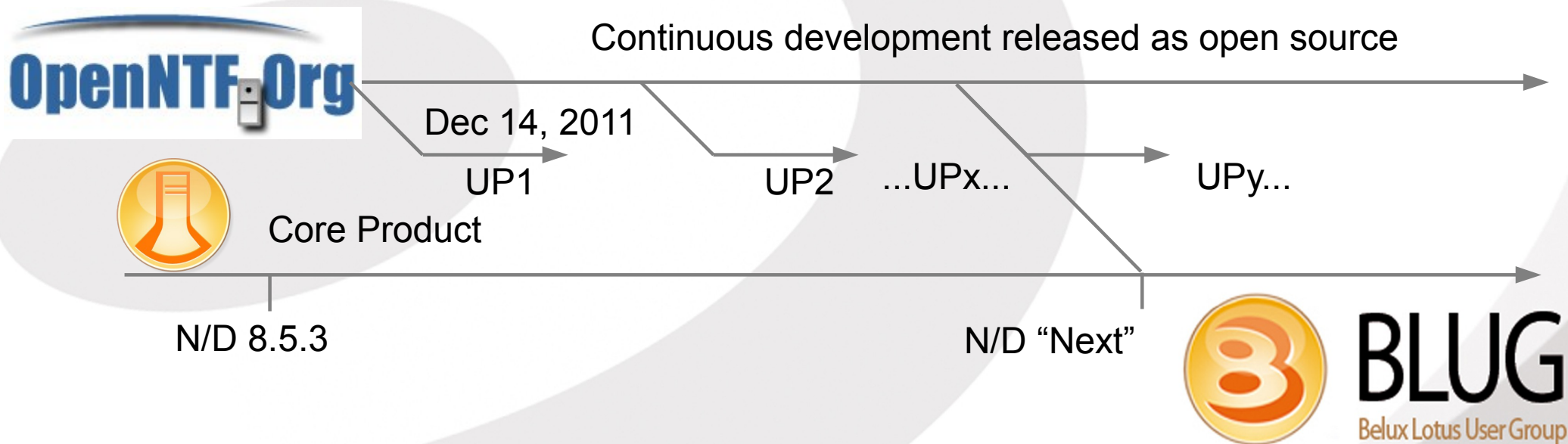
- The IT Landscape is evolving quickly and we need to adapt to these changes
  - Product release cycles do not match the community expectations
  - Some Notes/Domino releases may not have an application development focus
  - We need shorter cycles and sharper focus for the app dev community
- The XPages Extension Library proved that open-sourcing the code has several benefits:
  - We can release as fast as we want, and customers can adopt it at their convenience
  - The availability of the source code makes it easier to consume, understand, and extend
- But....
  - The open source projects are not officially supported by IBM
    - can be a blocker in some organizations
  - The code is not certified with IBM quality standards
    - localization, accessibility, testing etc.





# Product, Upgrade Packs and Open Source

- Code is first released on OpenNTF
  - Available early and gives full transparency on what is being done
  - Facilitates quicker user evaluation, feedback and contributions
- **Pieces from OpenNTF are selected and delivered as “Upgrade Packs”**
  - Upgrade Packs are supported by IBM
  - Upgrade Packs are delivered on a shorter release cycle than products
  - Upgrade Packs are integrated into the next revision of the product
  - Upgrade Packs do not modify the core base platform in any way !



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- **What Is Upgrade Pack 1 for Notes/Domino 8.5.3 ?**
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# What is Upgrade Pack 1 ?

- XPages Extension Library UP1

- A set of Java plug-ins that greatly extend XPages runtime functionality
- Works on web, Notes client and mobile devices
- Installs on top of Notes/Domino 8.5.3
- Applicable to Domino, XWork Server, Notes, Domino Designer
- Cool new Domino Designer enhancements for Ext Lib controls
- A fully accessible runtime library and templates
  - A11Y certified
  - Enhanced TeamRoom and Discussion templates
- Online documentation
- Runtime is localized
- Built to IBM globalization standards
- Implemented using the XPages Extensibility API
- Officially supported by IBM
- Includes source code !

- Domino Access Services:

- New REST APIs



# The Extension Library

- What's in Extension Library UP1?
  - Over **100** new tags !!!
  - UI controls | Data Access Objects | Simple actions | Other assets ...
    - Dojo wrappers
    - iNotes controls
    - REST services
    - Mobile library
    - New @Functions
    - Predefined Managed Beans
    - Application Layout
- Get Started with XPagesExt.nsf
  - Sample application available on [OpenNTF.org](http://OpenNTF.org)
  - Provides intuitive samples of almost every artifact
- Learn even more from the TeamRoom and Discussion templates
  - Features a new mobile UI



# Productizing the Extension Library

- Official support for the Extension Library starts with 8.5.3 UP1
  - “Productized” version
    - Accessible, localized, fortified, enhanced
- Future Proofing XSP Markup
  - UP1 involved a line-by-line examination of every control declaration
  - Had to be compliant with IBM product guidelines and standards
  - Breaking changes
    - Ext Lib XSP markup update released on Nov 17, 2011 (20111117-1058)
    - Applications based on Ext Lib before this date may require an upgrade
    - Typically this is just a simple property name substitution and rebuild
      - e.g. from “title” to “label”
  - We tried to minimize any *breaking* changes as much as possible
  - All the breaking changes are documented

Unknown property title. It is not defined on tag xe:pageTreeNode.

Unknown property title. It is not defined on tag xe:pageTreeNode.

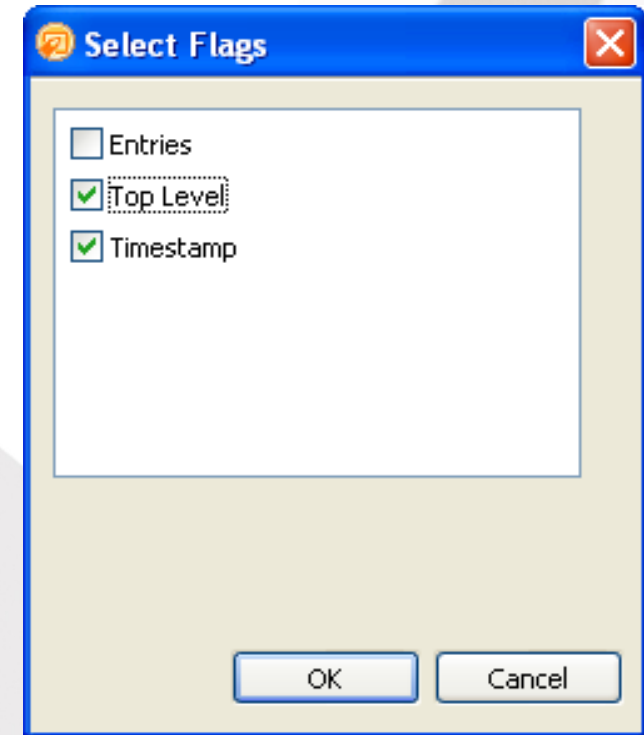
Unknown property title. It is not defined on tag xe:pageTreeNode.



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# Enhanced Domino Designer Tooling

- New customized property panels for advanced controls
  - Application Layout
  - DataView
- Design Pane visualizations for all controls
- New Property Pickers/Editors
  - Domino View Picker
  - Bitwise Option Picker
  - Regular Expression Editor
  - Currency Picker ... etc.
- Updated tooltips



| globalValues   | keys   |
|----------------|--|
| keysExactMatch | Specifies the combination of global values returned by the service. Multiple global value constants can be combined using the bitwise OR operator ( ). The global constants are: Entries 0x0001, Top Level 0x0002, Timestamp 0x0004. |
| loaded         |  |
| parentId       |  |
| postDeleteDocu |  |
| postNewDocume  | From library com.ibm.xsp.extlib.library  |
| postOpenDocum  | Since initial version  |
| postSaveDocum  |  |

# How do I get 8.5.3 Upgrade Pack 1?

- **Customers** on active maintenance can download from Passport Advantage

– **CI5GIEN**



Find by part number  
Enter single or multiple part numbers (separated by commas) and click Search.  
Example: CR1V9NA, C47EHML

CI5GIEN Search

- IBM **Business Partners** can use Partnerworld Software Access Catalog

– <http://tinyurl.com/IBMPartnerWorldCatalog>

- Download 1 image (~ 400 megabytes)

```
CI5GIEN.zip
client
  extlib-add-win32
    853UpgradePack1_20111208-0717.exe
  macosx
    853UpgradePack1_20111208-0717.tar
designer
  extlib-designer-add-win32
    853UpgradePack1_20111208-0717.exe
domino
  aix.tar
  aix65.tar
  IBMi_upgradepack.exe
  linux.tar
  sol.tar
  w32n_upgradepack.exe
  w64n_upgradepack.exe
  zlinux64.tar
```

## Lotus Software (1 Image)

- IBM Lotus Notes and Domino V8.5.3 Upgrade Pack 1 English (CI5GIEN) - [View details](#)

Size 398mb

Date posted 14-12月-2011

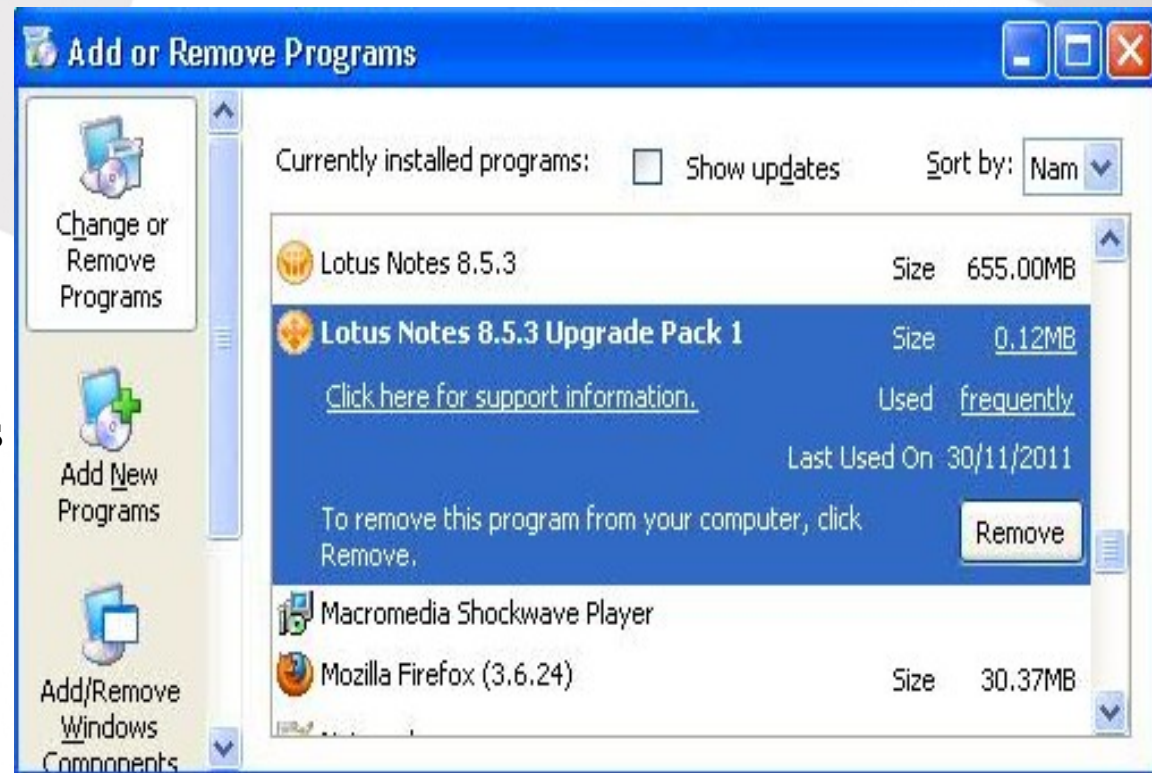
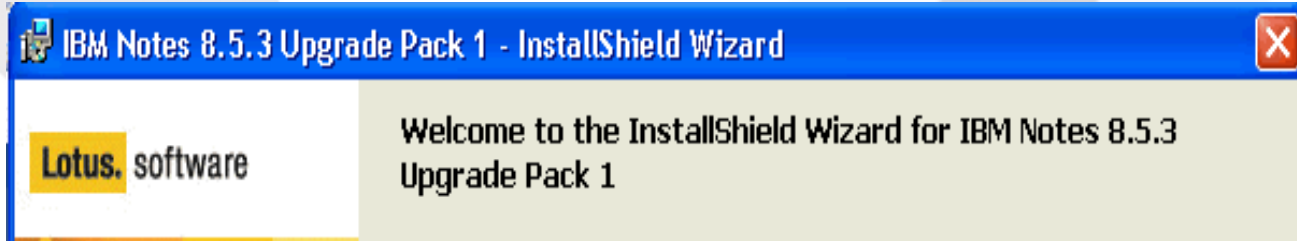
[License agreement](#)

[Download estimate](#)

[eAssembly](#) ?

# How do I install 8.5.3 Upgrade Pack 1?

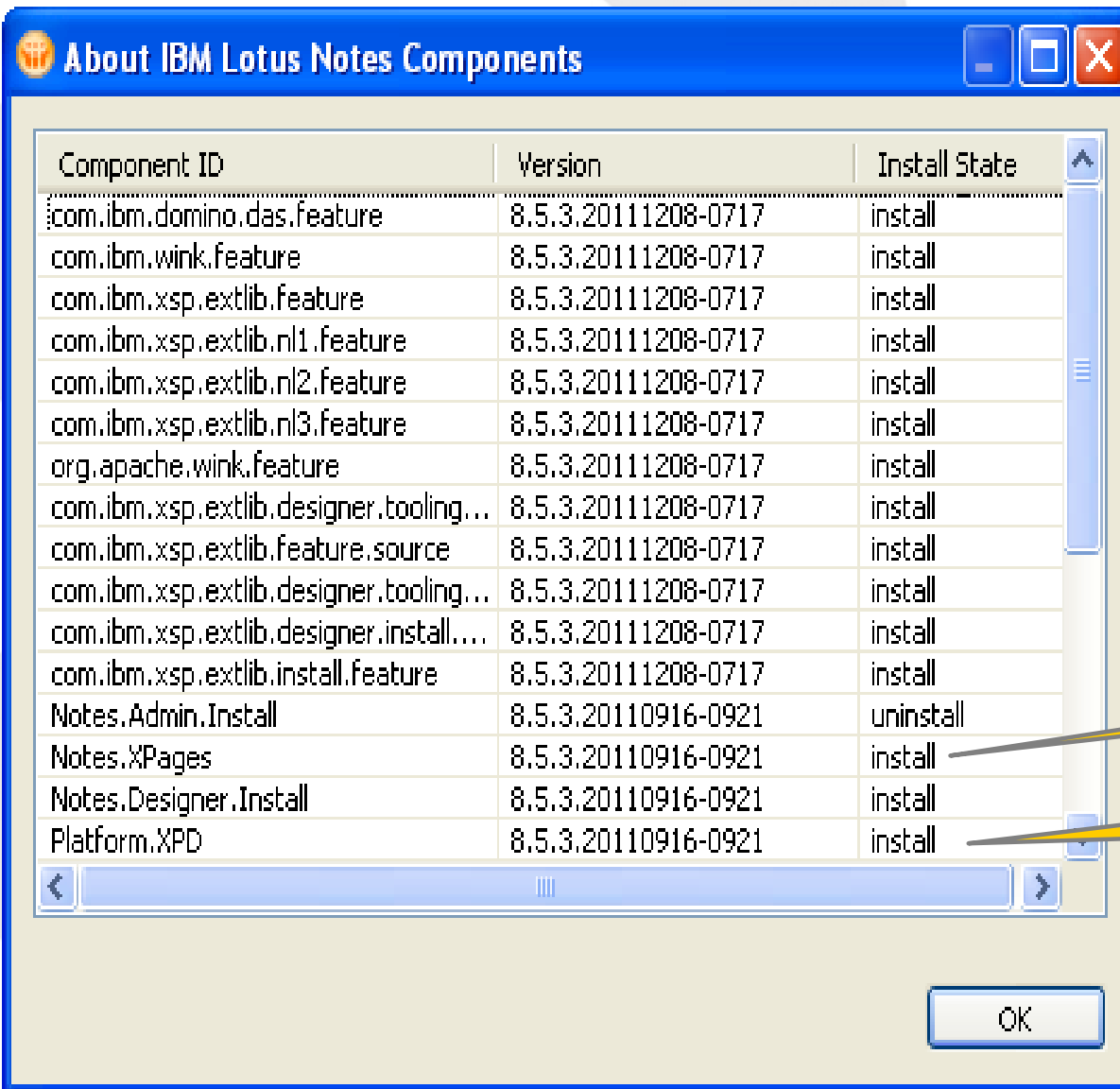
- Notes/Domino Add-On Installer
  - Domino server
  - Notes client
  - Domino Designer
- All platforms supported
  - Windows ® | Mac | Unix flavors
- Upgrade Pack Uninstall
  - Platform Add/Remove Programs
- Supports Silent Install
- Supports Smart Upgrade





# What is installed?

- **Help > About > Component Details** (Notes Client or Domino Designer)



The screenshot shows a dialog box titled "About IBM Lotus Notes Components" with a table of installed components. The table has three columns: Component ID, Version, and Install State. The components listed include various XPages and Notes-related features, most of which are installed.

| Component ID                           | Version             | Install State |
|--|---------------------|---------------|
| com.ibm.domino.das.feature             | 8.5.3.20111208-0717 | install       |
| com.ibm.wink.feature                   | 8.5.3.20111208-0717 | install       |
| com.ibm.xsp.extlib.feature             | 8.5.3.20111208-0717 | install       |
| com.ibm.xsp.extlib.nl1.feature         | 8.5.3.20111208-0717 | install       |
| com.ibm.xsp.extlib.nl2.feature         | 8.5.3.20111208-0717 | install       |
| com.ibm.xsp.extlib.nl3.feature         | 8.5.3.20111208-0717 | install       |
| org.apache.wink.feature                | 8.5.3.20111208-0717 | install       |
| com.ibm.xsp.extlib.designer.tooling... | 8.5.3.20111208-0717 | install       |
| com.ibm.xsp.extlib.feature.source      | 8.5.3.20111208-0717 | install       |
| com.ibm.xsp.extlib.designer.tooling... | 8.5.3.20111208-0717 | install       |
| com.ibm.xsp.extlib.designer.install... | 8.5.3.20111208-0717 | install       |
| com.ibm.xsp.extlib.install.feature     | 8.5.3.20111208-0717 | install       |
| Notes.Admin.Install                    | 8.5.3.20110916-0921 | uninstall     |
| Notes.XPages                           | 8.5.3.20110916-0921 | install       |
| Notes.Designer.Install                 | 8.5.3.20110916-0921 | install       |
| Platform.XPD                           | 8.5.3.20110916-0921 | install       |

UP1  
Features

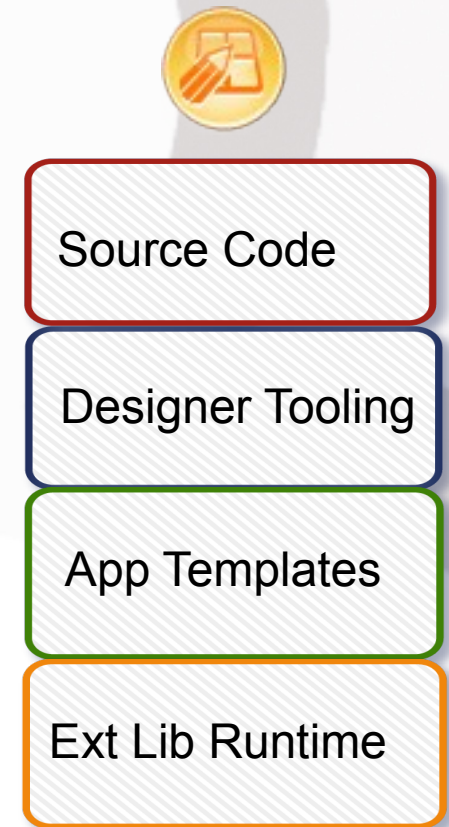
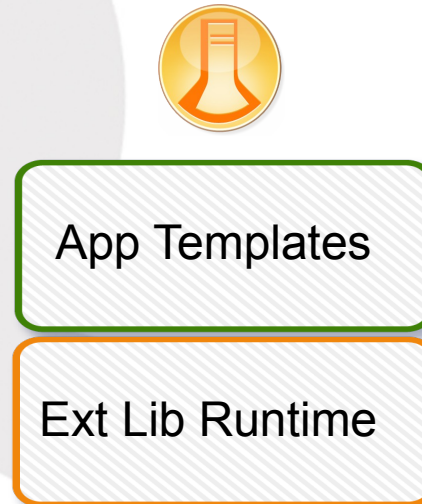
XPages Core Component

Other Notes Components



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# What is installed?



- Source Code
  - Eclipse plug-ins containing Java source code for all UP1 Extension Library modules
- Application Templates
  - **teamrm8xl.ntf** and **discussion8xl.ntf**
  - Template names have **xl** suffix and do not overwrite classic NTFs
  - \* Discussion template installed with Notes client (no Teamroom)
  - DocLib 'xl' template now available for preview on [OpenNTF.org](http://OpenNTF.org)



# Extension Library - Installed from OpenNTF.org

- **Help > About > Plug-in Details** (Notes Client or Domino Designer)

| Si... | Provider | Plug-in Name   | Version             | Plug-in Id ▲                         |
|-------|----------|--|---------------------|--------------------------------------|
|       | IBM      | XSP Runtime Core Plug-in                                       | 8.5.3.20110915-2025 | com.ibm.xsp.core                     |
|       | IBM      | XSP Runtime Designer Plug-in                                   | 8.5.3.20110915-2025 | com.ibm.xsp.designer                 |
|       | IBM      | XPages Dojo Plugin   | 8.5.3.20110915-2025 | com.ibm.xsp.dojo                     |
|       | IBM      | XSP Runtime Domino Plug-in                                     | 8.5.3.20110915-2025 | com.ibm.xsp.domino                   |
|       | IBM      | Extended Components Library for XPages                         | 8.5.3.20111120-2332 | com.ibm.xsp.extlib                   |
|       | IBM      | Extended Components Library for XPages Controls                | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.controls          |
|       | IBM      | com.ibm.xsp.extlib.controls.nl1                                | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.controls.nl1      |
|       | IBM      | com.ibm.xsp.extlib.controls.nl2                                | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.controls.nl2      |
|       | IBM      | com.ibm.xsp.extlib.controls.nl3                                | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.controls.nl3      |
|       | IBM      | Extended Components Library for XPages Core                    | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.core              |
|       | IBM      | com.ibm.xsp.extlib.core.nl1                                    | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.core.nl1          |
|       | IBM      | com.ibm.xsp.extlib.core.nl2                                    | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.core.nl2          |
|       | IBM      | com.ibm.xsp.extlib.core.nl3                                    | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.core.nl3          |
|       | IBM      | Domino Designer Extensions Framework Common Plug-in            | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.designer          |
|       | IBM      | XPages Extension Library Designer Extensions Plug-in           | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.designer.tooling  |
|       | IBM      | Domino Designer XSP Properties Editor Plug-in                  | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.designer.xspprops |
|       | IBM      | Extended Components Library for XPages - Lotus Notes/Domino    | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.domino            |
|       | IBM      | com.ibm.xsp.extlib.domino.nl1                                  | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.domino.nl1        |
|       | IBM      | com.ibm.xsp.extlib.domino.nl2                                  | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.domino.nl2        |
|       | IBM      | com.ibm.xsp.extlib.domino.nl3                                  | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.domino.nl3        |
|       | IBM      | Extended Components Library for XPages - Mobile device Support | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.mobile            |
|       | IBM      | com.ibm.xsp.extlib.mobile.nl1                                  | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.mobile.nl1        |
|       | IBM      | com.ibm.xsp.extlib.mobile.nl2                                  | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.mobile.nl2        |
|       | IBM      | com.ibm.xsp.extlib.mobile.nl3                                  | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.mobile.nl3        |
|       | IBM      | Extended Components Library for XPages - OneUI Support         | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.oneui             |
|       | IBM      | com.ibm.xsp.extlib.oneui.nl1                                   | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.oneui.nl1         |
|       | IBM      | com.ibm.xsp.extlib.oneui.nl2                                   | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.oneui.nl2         |
|       | IBM      | com.ibm.xsp.extlib.oneui.nl3                                   | 8.5.3.20111120-2332 | com.ibm.xsp.extlib.oneui.nl3         |
|       | IBM      | Extended Components Library for XPages Extension               | 8.5.3.20111120-2332 | com.ibm.xsp.extlibx                  |
|       | IBM      | Extended Components Library for XPages Extension Core          | 8.5.3.20111120-2332 | com.ibm.xsp.extlibx.core             |
|       | IBM      | Extended Components Library for XPages - OAuth Provider        | 8.5.3.20111120-2332 | com.ibm.xsp.extlibx.oauth            |
|       | IBM      | Relational Database Access Capability for XPages               | 8.5.3.20111120-2332 | com.ibm.xsp.extlibx.relational       |
|       | IBM      | Derby Relational Sample  | 8.5.3.20111120-2332 | com.ibm.xsp.extlibx.relational.derby |

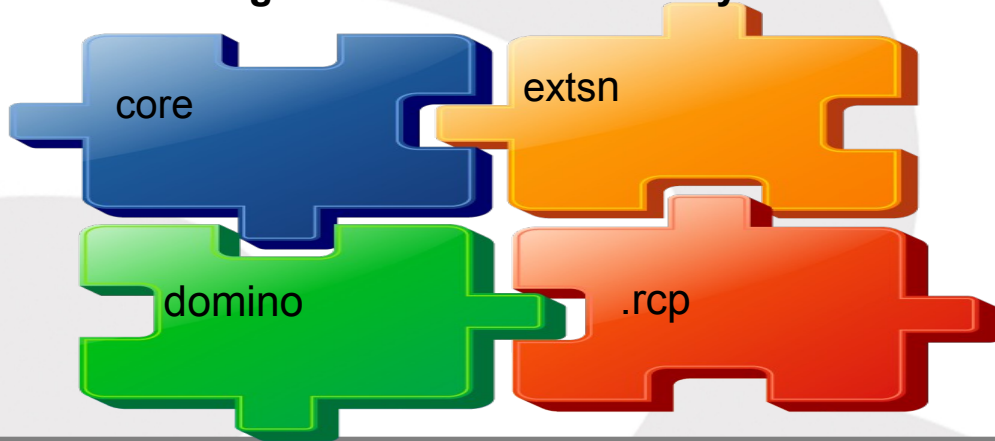
XSP Core Plugins

Ext Lib Plugins

Ext Libx Plugins

# Extension Library Plug-in Model

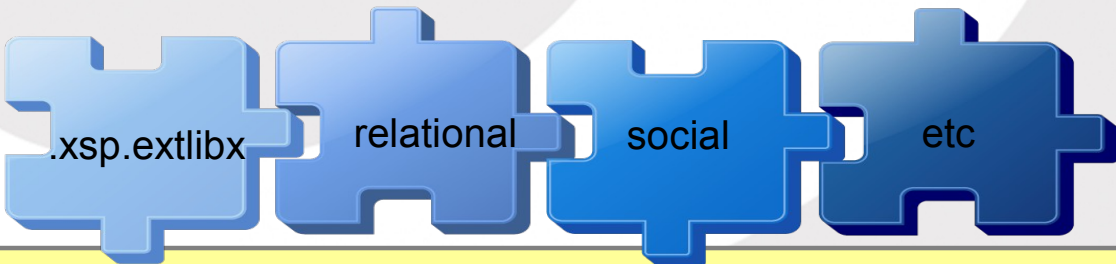
## XPages Core Runtime Library



XPages Core Runtime  
(ND 8.5.3)



XPages Extension  
Library  
(UP1 | OpenNTF.org)



XPages Experimental  
Extensions  
(OpenNTF.org)



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# Extended Editing Context

- Beyond the traditional web form/submit/navigate pattern
- Editing the data “In Context”
- Provide various flavors of dialogs

## Modal Dialog

User: Loretta, Cooper [Edit - Modal](#) -- [Edit - Tooltip](#)

User: Shelia, Contreras [Edit - Modal](#)

User: Claire, Lowery [Edit - Modal](#)

User: Ricky, Harding [Edit - Modal](#)

User: Gabriel, Wagner [Edit - Modal](#)

User: Samuel, Scott [Edit - Modal](#)

User: Karen, Jordan [Edit - Modal](#)

User: Pauline, Hendricks [Edit - Modal](#)

User: Peggy, Mccarthy [Edit - Modal](#)

User: Cornelia, Glover [Edit - Modal](#)

User: Katheryn, Phillips [Edit - Modal](#)

User: Karla, Townsend [Edit - Modal](#)

User: Lula, Gamble [Edit - Modal](#)

User: Carmen, Mullins [Edit - Modal](#)

**Edit User**  
**First name:**   
**Last name:**   
**E mail:**   
**City:**

## In Context Editing

User: Rosanna, Mccoy [Edit](#)

User: Phoebe, Livingston [Close](#)

**First name:**

**Last name:**

**E mail:**

**City:**

User: Jonathan, Jacobson [Edit](#)

User: James, Mullins [Edit](#)

## Tooltip Dialog

User: Loretta, Cooper [Edit - Modal](#) -- [Edit - Tooltip](#)

User: Shelia, Contreras [Edit - Modal](#) -- [Edit - Tooltip](#)

User:

User:

User:

User:

User:

User:

User:

User:

User:

User:

User:

User:

User:

User: Karla, Townsend [Edit - Modal](#) -- [Edit - Tooltip](#)

**First name:**   
**Last name:**   
**E mail:**   
**City:**

## Dynamic Tabbed Interface

**New Contact - Client Side** **New Contact - Server Side**

Home Tab [New Document](#)  [Daisy Kline](#)  [Allan Holt](#)

**First name:**  Required field, client side validation

**Last name:**  Required field, server side validation

**E mail:**

**City:**

# Dynamic Pages

- Make the content of a page dynamic
- Parts of the page are discarded/reconstructed on demand
- The user never leaves the current page
- Very efficient runtime behavior
- The context is kept using the URL hash technique
- Makes it “bookmarkable”, and enables the back button

XPagesExt.nsf/Core\_DynamicPage.xsp#content=contact&action=editDocument&documentId=C4CE

[All Contacts View](#)

[New Contact](#)

[Edit First Contact](#)

Previous 1 | **2** | 3 | 4 | 5 | 6 | 7 | 8 ... Next

| First Name              | Last Name | E-Mail                    | City         | Created      |
|-------------------------|-----------|---------------------------|--------------|--------------|
| <a href="#">Jessica</a> | Hatfield  | jhatfield@renovations.com | Savannah     | Sep 10, 2010 |
| <a href="#">Alyssa</a>  | Cruz      | acruz@renovations.com     | Springfield  | Sep 10, 2010 |
| <a href="#">Allan</a>   | Holt      | aholt@renovations.com     | Jacksonville | Sep 10, 2010 |

[All Contacts View](#)

[New Contact](#)

[Edit First Contact](#)

**First name:**

**Last name:**

**E mail:**

**City:**

**Numfield:**



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# Value and Name Pickers

- Select data from any data source
- Domino view, Address Book, Managed Bean..
- Integrated with the standard TypeAhead component
- Pluggable UI for high degree of customization

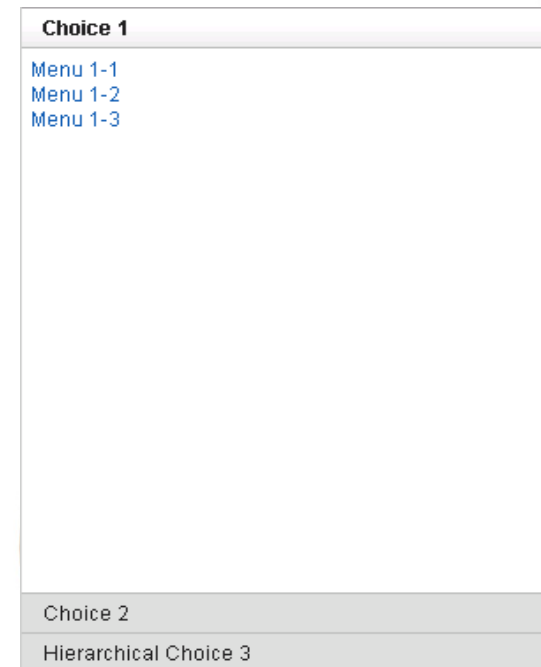
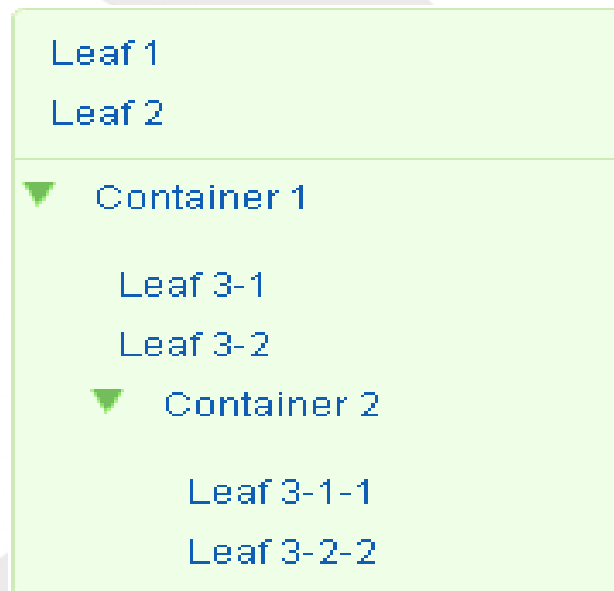
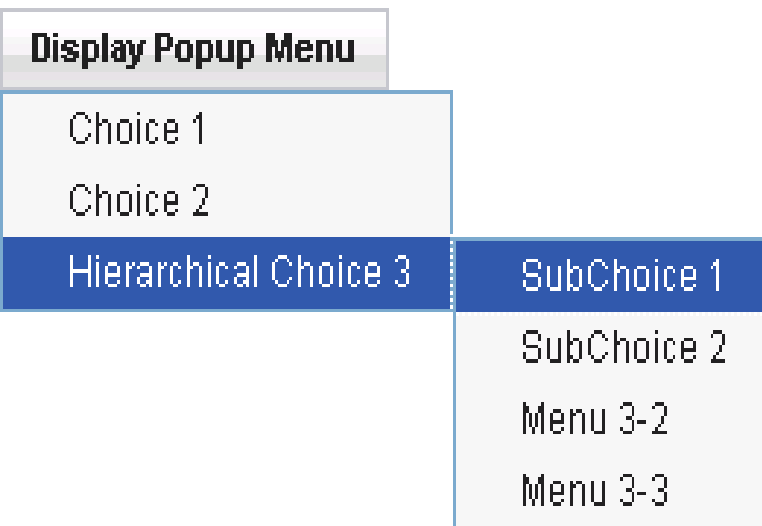
The screenshot illustrates the integration of Value and Name pickers in a Domino web interface. On the left, a text input field contains the email address 'abonner@acme.com'. Below it are two UI components: a 'CheckBox picker' and a 'Simple Value' picker. A red arrow points from the 'Simple Value' picker to a 'Select A Value' dialog box. This dialog box displays a list of names and email addresses, with 'Alyson Bonner (abonner@acme.com)' selected. Another red arrow points from the 'Select A Value' dialog to a 'Select A Name' dialog box. This dialog box has a search interface with 'Database View' selected in the 'Search In' dropdown and 'abonner@acme.com' in the 'Search From' field. The search results list includes 'Alyson Bonner (abonner@acme.com)', which is highlighted. An 'Add' button is visible next to the list. At the bottom of the 'Select A Name' dialog, there are 'Remove', 'Remove All', 'OK', and 'Cancel' buttons. The background shows a partial view of a Domino web page with a search bar and a list of names.





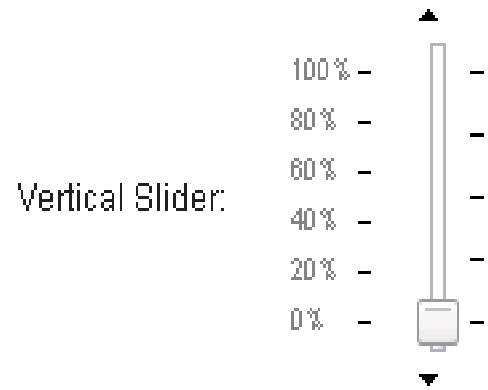
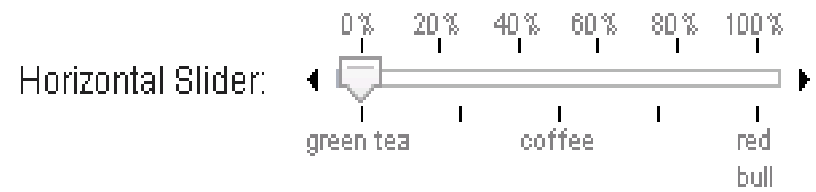
# Outlines/Menus

- Provide a generic way for building action bars
- Hierarchical navigators, accordions, pop-up menus, trees...
- Content can be static (defined in the page), dynamic (retrieved from a data source) or a mix of both.
- Easy mapping to actions (client and/or server side)



# Dojo Wrappers

- Leveraging the Dojo form controls
- Extended set of input controls
- Spinner, sliders,...
- Dojo client side validation enabled
- New Dojo containers for high user interactivity
- Tabbed panels, layout...



|                           |                                    |        |
|---------------------------|------------------------------------|--------|
| Zipcode Validation (d{5}) | <input type="text" value="01886"/> | Value: |
| Basic Number              | <input type="text" value="79A"/>   | Value: |
| 10-50                     | <input type="text" value="67"/>    | Value: |
| Spinner                   | <input type="text" value="64"/>    | Value: |
| Currency                  | <input type="text"/>               | Value: |

This value is out of range.

## Tab Container

Tab 1   Tab 2

Tab panel #1

# Interactive Views

- View content rendered in a scrollable grid
- Either the Dojo grid or the iNotes virtual list, depending on the need
- iNotes virtual list supports categorization, document hierarchy...
- Dojo grid supports editing and is not tied to Views
- Data is accessed using REST services provided by the XPages
- Custom columns can be computed, and events handled
- Documents can also be updated for the column pointing to fields

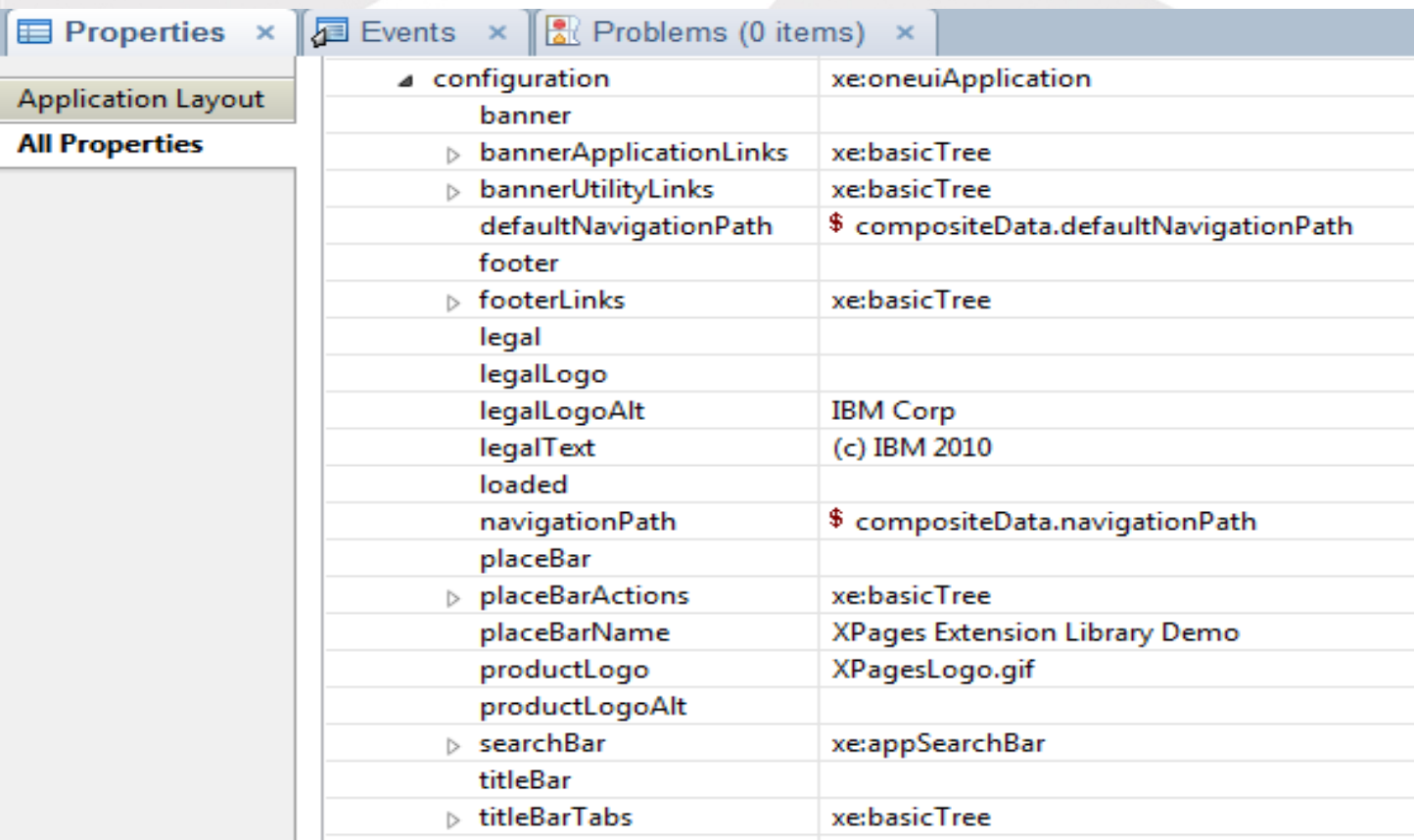


| FirstName | LastName   | City          | EMail                | ShortName   |
|-----------|------------|---------------|----------------------|-------------|
| Petra     | Hayden     | Coral Springs | phayden@acme.com     | PHAYDEN     |
| Lorraine  | Blevins    | Nowalk        | lblevins@acme.com    | LBLEVINS    |
| Rosanna   | Mccoy      | Chesapeake    | rmccoy@acme.com      | RMCCOY      |
| Phoebe    | Livingston | Salinas       | plivingston@acme.com | PLIVINGSTON |
| Jonathan  | Jacobson   | Oklahoma      | jjacobson@acme.com   | JJACOBSON   |
| James     | Mullins    | Salt Lake     | jmullins@acme.com    | JMULLINS    |
| Lorraine  | Ryan       | Tallahassee   | lryan@acme.com       | LRYAN       |
| Joanna    | Bentley    | Columbia      | jbentley@acme.com    | JBENTLEY    |
| Casandra  | Webster    | Norfolk       | cwebster@acme.com    | CWEBSTER    |
| Olive     | Boyer      | San Jose      | oboyer@acme.com      | OBOYER      |
| Vera      | Ashley     | Santa Clarita | vashley@acme.com     | VASHLEY     |



# OneUI Application Layout

- Get a running OneUI application in less than 5 minutes!
- Fully customizable OneUI rendering
- Abstracts all the OneUI application parts
- Can even be customized by providing an inherited renderer
- Get ready for the upcoming Vulcan look and feel



The screenshot shows the 'Properties' window for an 'Application Layout'. The table below represents the data shown in the window.

| Property                 | Value                                  |
|--------------------------|--|
| configuration            | xe:oneuiApplication                    |
| banner                   |  |
| ▶ bannerApplicationLinks | xe:basicTree                           |
| ▶ bannerUtilityLinks     | xe:basicTree                           |
| defaultNavigationPath    | \$ compositeData.defaultNavigationPath |
| footer                   |  |
| ▶ footerLinks            | xe:basicTree                           |
| legal                    |  |
| legalLogo                |  |
| legalLogoAlt             | IBM Corp                               |
| legalText                | (c) IBM 2010                           |
| loaded                   |  |
| navigationPath           | \$ compositeData.navigationPath        |
| placeBar                 |  |
| ▶ placeBarActions        | xe:basicTree                           |
| placeBarName             | XPages Extension Library Demo          |
| productLogo              | XPagesLogo.gif                         |
| productLogoAlt           |  |
| ▶ searchBar              | xe:appSearchBar                        |
| titleBar                 |  |
| ▶ titleBarTabs           | xe:basicTree                           |



# Access to Calendar Views

- Visualize Notes/Domino views through iNotes controls and REST services
- Add CRUD operations through custom forms

TeamRoom Setup

## Calendar

New Meeting

New Event



Display:

| March 2011                                       |     |   |                                     |  |
|--|-----|---|-------------------------------------|--|
| Mon  | Tue | Wed   | Thu                                 |  |
| 28/02<br>12:00 Event: End of Month (2, February) | 1   | 2   | 3                                   |  |
| 7  | 8   | 9   | 10                                  |  |
| 14   | 15  | 16<br>16:00 Meeting: Find agreement on the printer pi | 17                                  |  |
| 21   | 22  | 23  | 24                                  |  |
| 28   | 29  | 30  | 31<br>12:00 Event: End of Quarter 1 |  |

# Predefined Managed Beans

- Get easy access to common data
- Current user name, email, etc.
- There also new @Functions ...
  - You could add your own Managed Beans and @Functions

XPAGES Home Goto... XPages

Core **Domino** iNotes Mobile OneUI REST

XPages Extension Library Demo

**Home**

**User Bean**

JavaScript Extension

View State

Data View

Forum View

Dynamic View Sorting


Dynamic Views

Tag Cloud

Value/Name Pickers

Outline

**This demonstrates the Domino userBean:**

|   |   |
|---|---|
| Picture                                 |  |
| Owner (owner)                           | false   |
| Viewer (viewer)                         | true  |
| Common Name (displayName)               | Samantha Daryn  |
| Common Name (commonName)                | Samantha Daryn  |
| Canonical Name (id)                     | CN=Samantha Daryn/O=IBM   |
| Canonical Name (canonicalName)          | CN=Samantha Daryn/O=IBM   |
| Distinguished Name (distinguishedName)  | CN=Samantha Daryn/O=IBM   |
| Abbreviated Name (abbreviatedName)      | Samantha Daryn/IBM  |
| Effective User Name (effectiveUserName) | CN=Samantha Daryn/O=IBM   |
| <b>ACL Privileges</b>                   |   |
| DBACL_CREATE_DOCS (canCreateDocs)       | true  |
| DBACL_DELETE_DOCS (canDeleteDocs)       | true  |

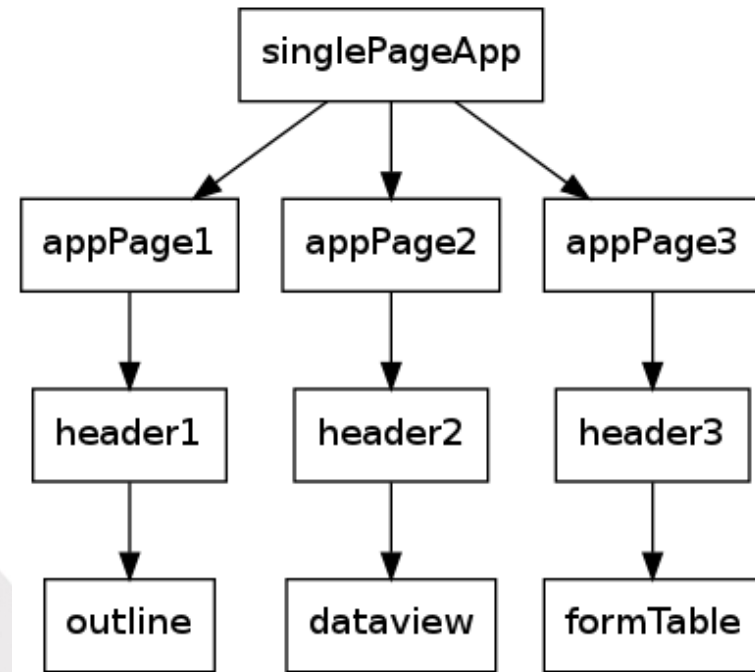
# Source Code

- Java source code for all modules provided as Eclipse plug-ins
- Source can be used to:
  - Understand fine detail of how features work
  - Customize runtime behavior \*
  - Propose new features or behaviors
  - Diagnose issues
- Setting up a development environment to work with Java source code
  - Server must be started in debug mode (add entries to **NOTES.INI**)
    - JavaEnableDebug=1
    - JavaDebugOptions=transport=dt\_socket,server=y,suspend=n,address=8000
  - Install Domino Debug Plugin into Domino Designer
    - <http://tinyurl.com/XPagesDominoDebugPlugin>
  - Import Java source plug-ins into Domino Designer
    - Ref Step #8 in Domino Designer install instructions
  - Set up Domino server and OSGI debug configurations
- Use Firebug or other script debuggers to work with JavaScript source
  - Firebug, Firebug Lite (XPiNC), IE Developer Toolbar etc



# Mobile Controls

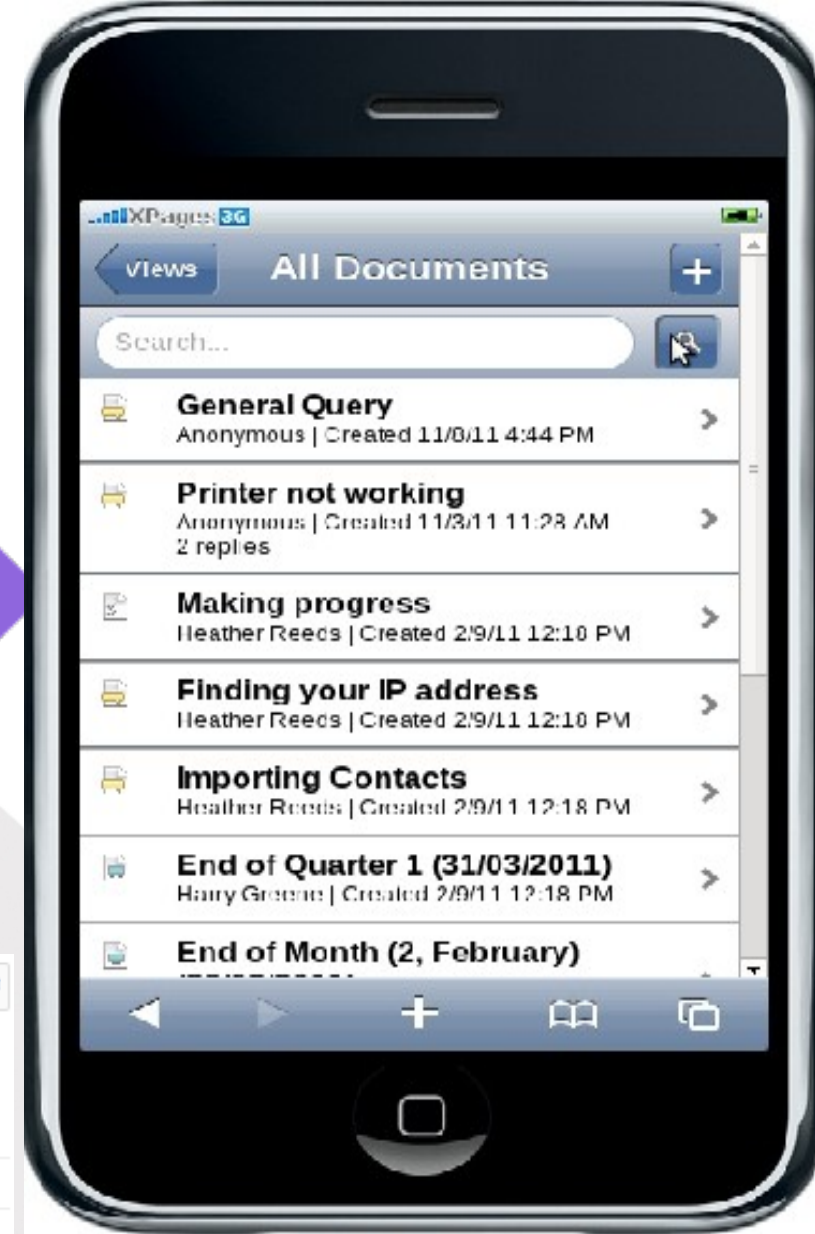
- Single-Page Application Paradigm
  - Application Pages loaded using partial refresh
  - Pages typically written as Custom Controls
  - Share Logic between Desktop/Mobile
- Supported Devices
  - Themes provided for iPhone and Android in UP1
  - Intention to support Blackberry in future Upgrade Pack





# Mobile Controls

- Application
- Application Page
- Heading
- List
- List Item
- Switch
- Tab Bar
- Tab Bar Button



Collapse All | [Expand All](#) Previous 1 2 Next

| Title   | Date       | Author              |   |
|---|------------|---------------------|---|
| <a href="#">General Query</a>                               | 8 Nov 2011 | Anonymous           | ▾ |
| <a href="#">Printer not working</a>                         | 3 Nov 2011 | Anonymous           | ▾ |
| <a href="#">Making progress</a>                             | 9 Feb 2011 | Heather Reeds/acme2 | ▾ |
| <a href="#">Finding your IP address</a>                     | 9 Feb 2011 | Heather Reeds/acme2 | ▾ |
| <a href="#">Importing Contacts</a>                          | 9 Feb 2011 | Heather Reeds/acme2 | ▾ |
| <a href="#">End of Quarter 1 (31/03/2011)</a>               | 9 Feb 2011 | Harry Greene/acme2  | ▾ |
| <a href="#">End of Month (2, February) (20/02/2011)</a>     | 9 Feb 2011 | Harry Greene/acme2  | ▾ |
| <a href="#">End of Month (1, January) (28/01/2011)</a>      | 9 Feb 2011 | Harry Greene/acme2  | ▾ |
| <a href="#">Training material at 50% complete</a>           | 9 Feb 2011 | Harry Greene/acme2  | ▾ |
| <a href="#">Prepare Telecomm support training materials</a> | 9 Feb 2011 | Harry Greene/acme2  | ▾ |




# Agenda

- Speaker Introduction
- Why Do You Need Upgrade Packs ?
- What Is Upgrade Pack 1 for Notes/Domino 8.5.3 ?
- Exploring Upgrade Pack 1
- Wrap Up



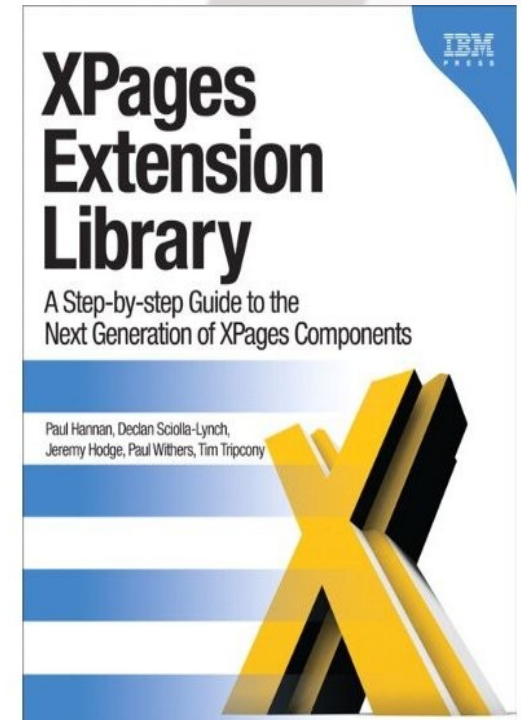
# Next Steps

- Get the 8.5.3 Upgrade Pack 1 code
  - Requires 8.5.3 base -- There's never been a better reason to upgrade !!! 
- Quick Win – Apply new Teamroom and Discussion templates
  - In two easy steps!
    - File > Application > Replace Design
    - Run Agent > Upgrade Content
    - note: you only need to run agent once !
- Demo & Tutorial
  - <http://www.openntf.org/blogs/openntf.nsf/d6plinks/NHEF-8MHA78>
  - [http://www-10.lotus.com/ldd/ddwiki.nsf/dx/XPages\\_Mobile\\_Controls\\_Tutorial](http://www-10.lotus.com/ldd/ddwiki.nsf/dx/XPages_Mobile_Controls_Tutorial)
- For more info on Dojo mobile controls:
  - <http://dojotoolkit.org/features/mobile>



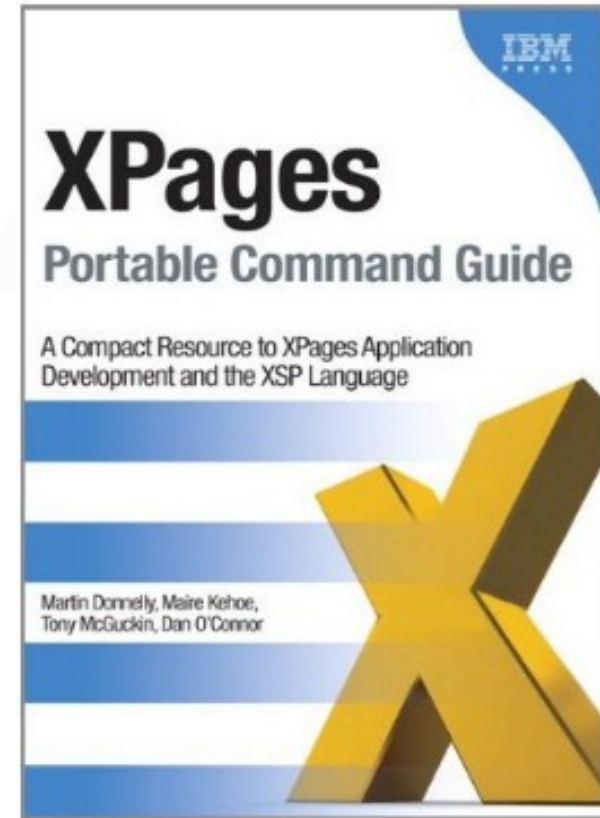
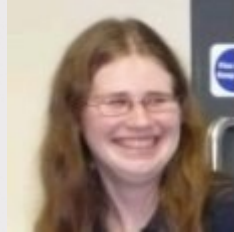
# Enablement Materials

- Online documentation available on Domino Designer wiki
  - <http://tinyurl.com/Doc4XPagesUP1>
- New Extension Library Book
  - Comprehensive 600 page volume
  - IBM Press publication
  - Authored by a team of all-star XPages experts, Featuring contributions from key community members
  - Take full advantage of the XPages Extensibility Framework, Library & API
  - Step-by-step guide for developers of all experience levels
  - Combines reference material and practical use cases
- Estimated Availability Q2 – 2012
  - [www.ibmpressbooks.com/bookstore/product.asp?isbn=0132901811](http://www.ibmpressbooks.com/bookstore/product.asp?isbn=0132901811)
  - [www.amazon.com/XPages-Extension-Library/dp/0132901811](http://www.amazon.com/XPages-Extension-Library/dp/0132901811)



# Other NEW XPages Books

- XPages Portable Command Guide
  - Compact 300 page volume
  - IBM Press publication
  - Authored by members of XPages & Domino Designer dev teams
  - Perfect complement to the popular Mastering XPages book, helping experienced XPages developers go even further
  - Thoroughly covers XSP properties, Command Manager instructions, INI variables, OSGi console commands, debugging, logging and more.
  - Dozens of practical examples providing immediate solutions



– [www.ibmpressbooks.com/bookstore/product.asp?isbn=0132943050](http://www.ibmpressbooks.com/bookstore/product.asp?isbn=0132943050)

– [www.amazon.com/XPages-Portable-Command-Guide/dp/0132943050](http://www.amazon.com/XPages-Portable-Command-Guide/dp/0132943050)



# Before You Leave ...



- Please complete your session survey
- [The Grand Tour of XPages in Notes/Domino 8.5.3 Upgrade Pack 1](#)



Buíochas

Irish

धन्यवाद

Hindi

ขอบคุณ

Thai

Спасибо

Russian

多謝

Traditional Chinese

Gracias

Spanish

شكراً

Arabic

Thank You

Obrigado

Brazilian Portuguese

Grazie

Italian

Danke

German

Merci

French

நன்றி

Tamil

多谢

Simplified Chinese



Korean

ありがとうございました

Japanese



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