



Lotusphere

Connect2013

Get social. Do business.

IBM Connect 2013

Domino Designer

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Domino Applications



Rapidly deliver on business objectives with a tailored solution

Reduce IT and development costs

- Integrate and leverage existing applications, data, content and systems

Quickly respond to changing business needs

- Support business flexibility and agility

Improve organization effectiveness

- Easy-to-use security-rich applications that are robust and scalable

Access where you need it



Typical Domino Applications

Workflow

Project Management

CRM

Compliance

Requirements Planning

Help Desk / Customer Support

Analytics / Reporting

Personal Productivity

Lotus Domino for Applications

Domino is a Rapid Application Development & Delivery platform for collaborative workflow driven business applications

Web 2.0 application development framework

- Standards based (HTML, XML, JavaScript/Dojo, Java, CSS)
- Comprehensive APIs for business logic
- REST APIs for 3rd party integration

Flexible document based datastore (NoSQL)

- Semi-structured data
- Managing hierarchies of documents
- Seamlessly handles data model changes
- Gold standard replication capabilities

Easy deployment model

- Development → staging → production using copy or replication
- Create new instances based on application templates
- Easily roll out design updates through administrative services

Work with applications offline

- Synchronize data and application design using replication service



White paper

XPages – Designed for Today's Web

Visual Web page construction

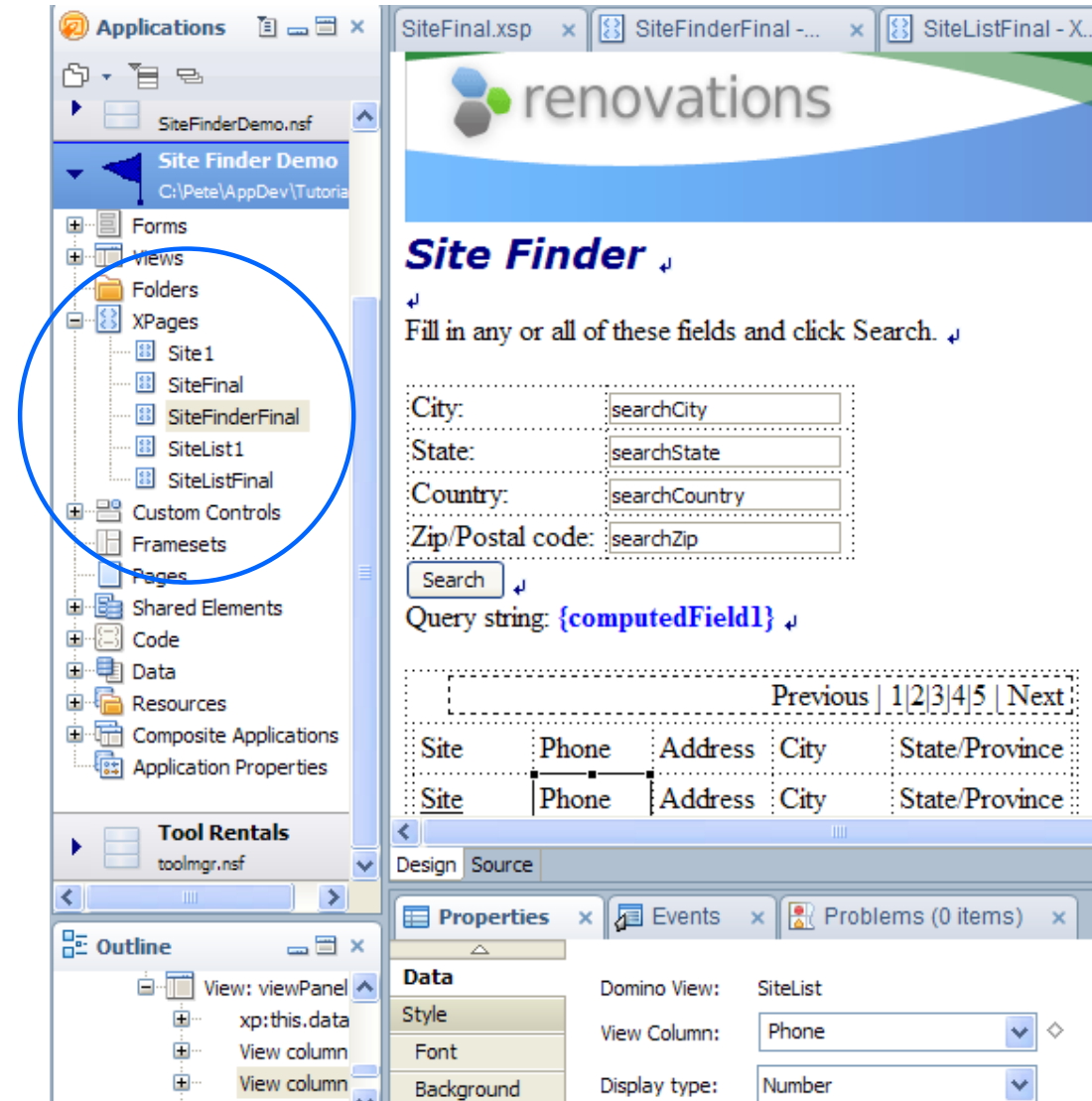
- Advanced U/I controls
 - Web pager, Tabbed Panel, ...
 - Advanced View layouts
- Drag and drop development

Native support for Ajax behaviors

- Partial refresh, available to every event
- Typeahead

Comes with Dojo JavaScript library

- Natively leverages Dojo widgets
- Gives easy access to Dojo modules and widgets



The screenshot displays the IBM Domino Designer interface for developing XPages. On the left, the 'Applications' pane shows a project tree for 'Site Finder Demo' with folders for 'Forms', 'Views', and 'XPages'. The 'XPages' folder is circled in blue, containing sub-items like 'Site 1', 'SiteFinal', 'SiteFinderFinal', 'SiteList1', and 'SiteListFinal'. Below this is the 'Tool Rentals' pane showing 'toolmgr.nsf'. At the bottom left is the 'Outline' pane showing a 'View: viewPanel' with sub-items 'xp:this.data', 'View column', and 'View column'. The main design view on the right shows a web page titled 'Site Finder' with a search form containing fields for City, State, Country, and Zip/Postal code, a 'Search' button, and a 'Query string: {computedField1}'. Below the search form is a data table with columns for Site, Phone, Address, City, and State/Province, and a pager with 'Previous' and 'Next' buttons and page numbers 1, 2, 3, 4, 5. At the bottom right, the 'Properties' pane shows settings for 'Data' (Domino View: SiteList), 'Style', 'Font', and 'Background' (View Column: Phone, Display type: Number).

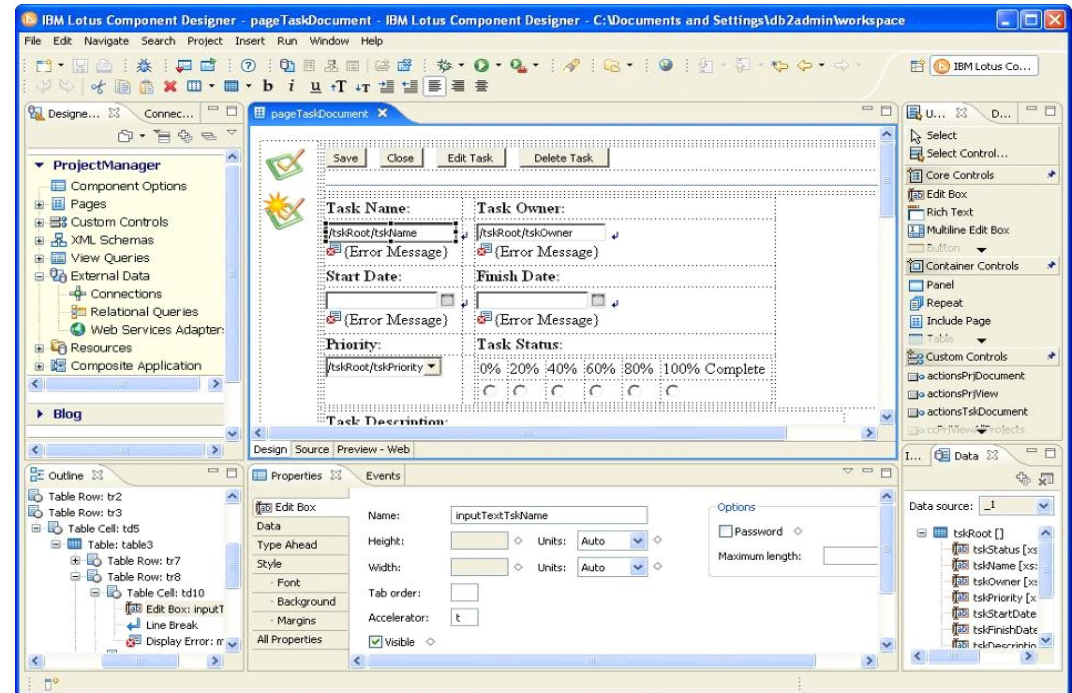
How do you build Applications?

Primarily with Domino Designer

- Rapid application development
 - Short time to market/value
 - Driven by line of business
- Eclipse based
 - Customizable IDE
 - Extensible framework

Various entry points and skills

- Script development and stylesheet design
- Standard web app dev (HTML, JavaScript/Dojo, Java, CSS)
- System Programming via Java, Eclipse, and OSGi



Why Modernize with XPages?

Extend the reach of your Notes/Domino applications

- Web browser
 - IBM Connections
 - WebSphere Portal
- Mobile Web access

Lowest risk, highest ROI

- No data migration necessary
- No change in business processes needed
- Incremental modernization
- Leverage existing infrastructure & existing skills

Localization – much easier to deliver support for multiple languages

Accessibility - Easier to comply with standards (W3C ARIA / JAWS)

Integration

- Components of IBM's Social Business Framework
- External application data and services

XPages Mobile Application Development

Build new and extend the reach of existing applications to smart phones and tablets

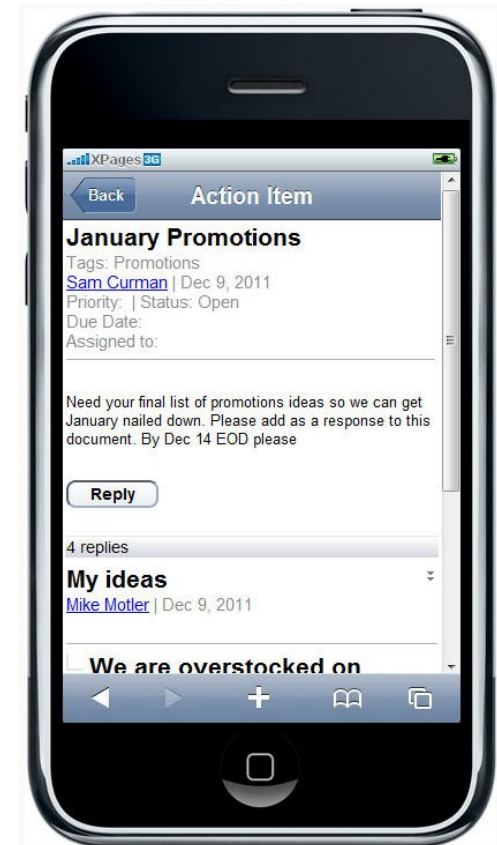
- Provide pervasive access to Notes/Domino data from your mobile device
 - IOS 4 & 5 (iPhone, iPad and iPod Touch)
 - Android 2.3 (phones) and 3.x (tablets)
 - Blackberry (coming in the near future)
- Improve business process efficiency by allowing decision makers to approve workflows on the go

Enable templates with mobile access

- Enable existing applications by refreshing the design
- Teamroom & Discussion templates

Extend the XPages framework to support mobile web browsers

- Makes it easy to develop mobile applications with the technology you know
- One programming model for mobile, desktop browser and rich client



Your complete package for delivering business solutions

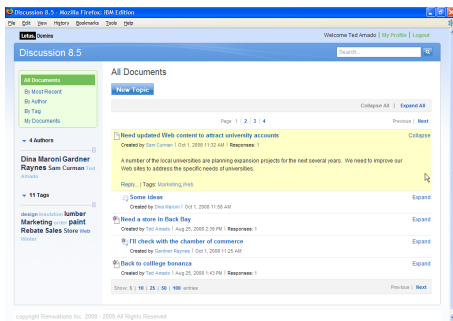


Domino Designer

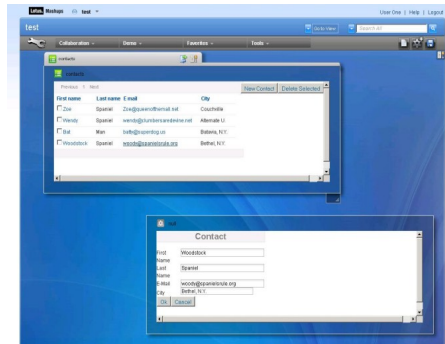
- Eclipse based IDE with an extensible framework
- Build new and maintain existing applications

XPages – Web 2.0 framework

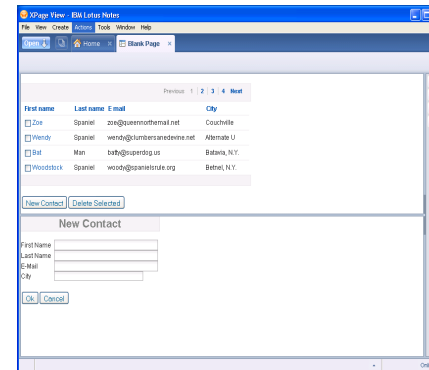
- Use industry standard Web development skills (HTML, CSS & JavaScript)
- Java based framework facilitates reuse of Java libraries
- One model for Web, Rich Client and Mobile



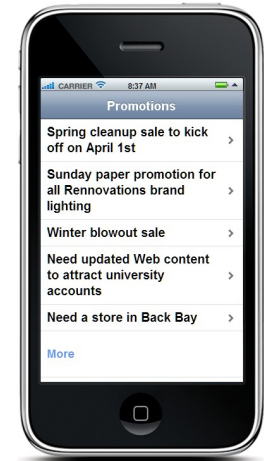
Web 2.0



Composites



Notes Client



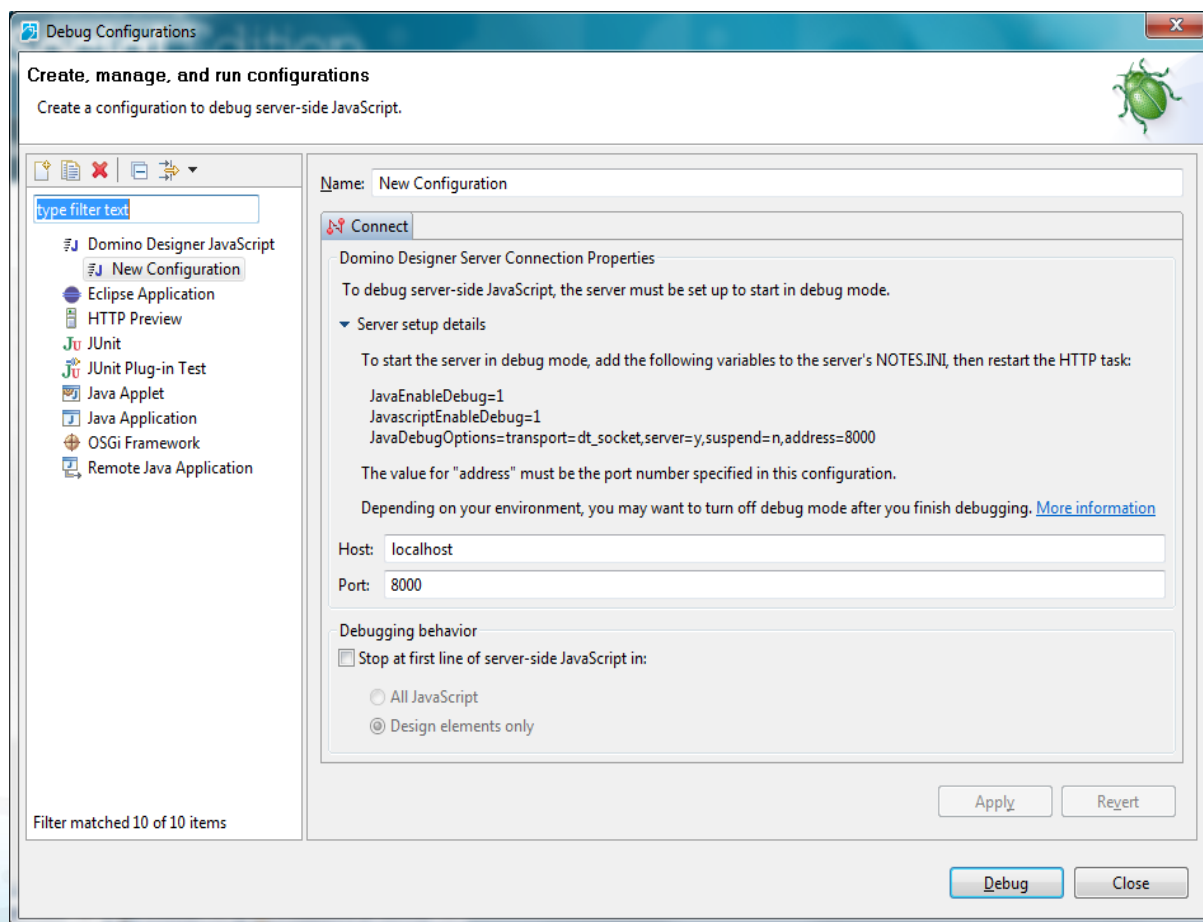
Mobile Devices

Domino Designer Social Edition Design Goals

- Integrate Domino Designer Extension Library tooling into Designer “core”
- Improve Server Side JavaScript debugging experience!!
- Improve Domino Designer “Welcome” and “Home Page” experiences
- Improve XPages developer productivity
- New Jar design element
- Integrate and improve XSP Properties editor
- Bug fixes and quality improvements in key 'high traffic' areas (such as LS editor)

Domino Designer Server Side JavaScript Debugger

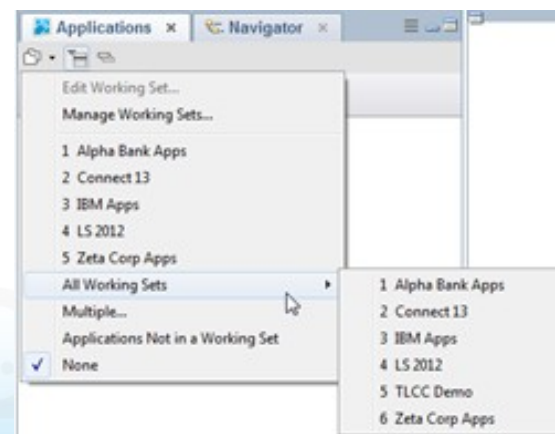
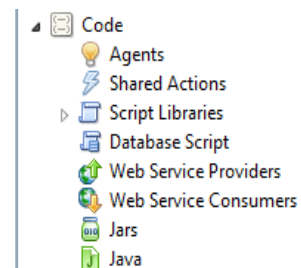
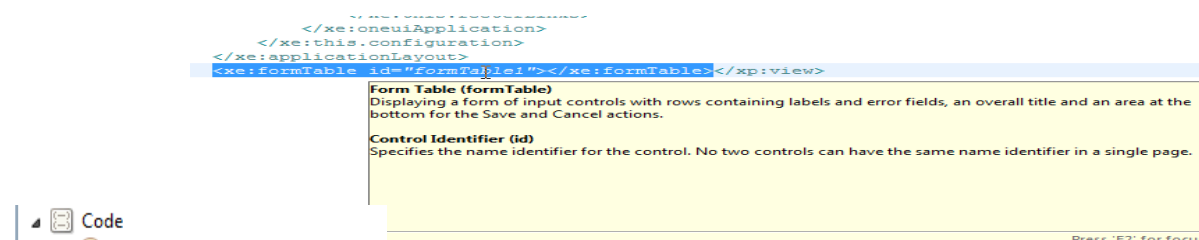
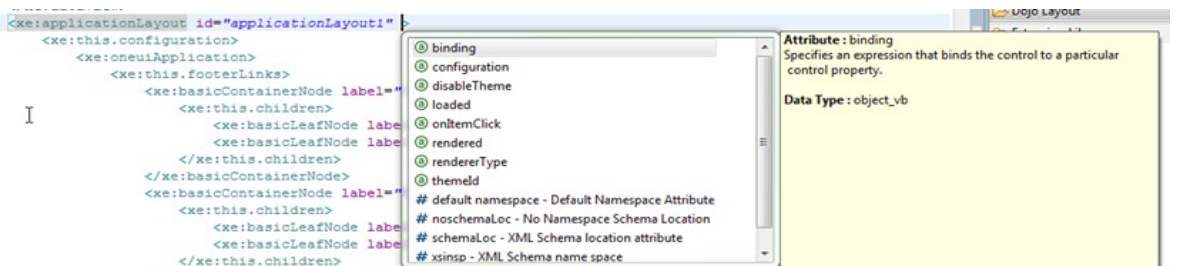
- We heard you!!!!
- New “Domino Designer Server Side JavaScript” Debug Configuration



- Debugging is only supported on Domino Social Edition servers and later
- Debugger is based on Eclipse “Remote Java Connection” protocol and uses JPDA/JDI

Improve XPages Developer Productivity

- Content assist in xsp source editor editor!! (also works with SSJS in xsp source editor)
- Hyperlink navigation within the xsp source editor
- Hover help within the xsp source editor
- Palette State Saving
- Jar design element
- Navigator now shows all working sets!! :-)



Redirect Control

■ Use cases:

- Traveller or iNotes rewrites the Notes doclink to a web link
- Custom redirect handling required within an application

■ How:

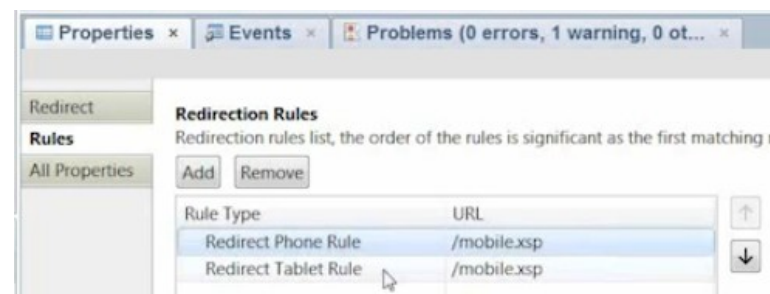
- Set form display property to a target XPage that includes a Redirect control instance

■ Result:

- The Redirect control instance will transform the request URL accordingly based on the set of redirect rules

■ Example:

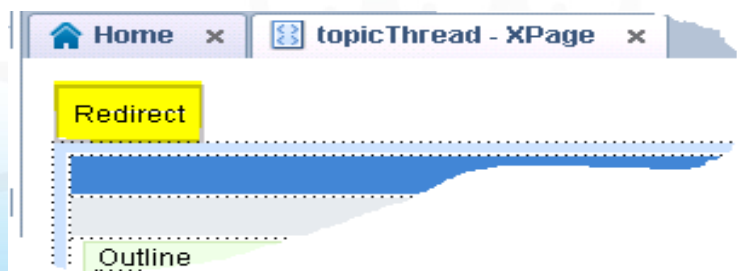
- For a mobile redirect rule:
- <http://foo/bar.nsf/0e5e7/04aae/?OpenDocument>
 - becomes...
- <http://foo/bar.nsf/mobile.xsp?documentId=04AAE&action=openDocument#document>



```

<xe:redirect>
  <xe:this.rules>
    <xe:redirectPhoneRule url="/mobile.xsp"
      disableRequestParams="false" urlHash="document">
    </xe:redirectPhoneRule>
    <xe:redirectTabletRule url="/mobile.xsp"
      disableRequestParams="false" urlHash="document">
    </xe:redirectTabletRule>
  </xe:this.rules>
</xe:redirect>

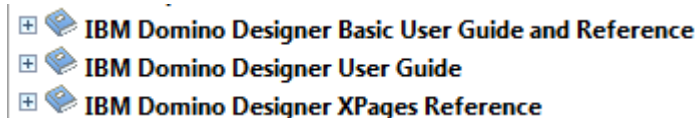
```



Help Enhancements

■ Domino Designer 9.0 Social Edition user assistance

- Improved Designer Home Page info and tips
- Content assist and hover help within the XPages source



■ Designer Eclipse help plugins

- Many customer Feedback issues addressed in help
- ~ 1000 updates in the Designer basic guide
- Content organization streamlined to remove redundant material
- Language cross references added to some topics
- Many new code examples
 - C&S APIs....

■ LotusScript Editor F1 help

Common - (Declarations)

```

47 Const IBM_LOTUS_NOTES_ERROR = CS_SHARED_STRING
48 Const INVALID_DOCUMENT_ERROR = CS_SHARED_STRING
49 Const REPAIR_EVENT_ERROR = CS_SHARED_STRING +
50 Const EXCESSIVE_REPEATS = CS_SHARED_STRING +
51
52 'Back end classes
53 Dim session As NotesSession
54 Dim db As NotesDatabase
55 Dim note As NotesDocument
56 Dim profile As NotesDocument
57 Dim item As NotesItem
58 Dim NameLookup As NotesName
59 Dim agentlog As noteslog
60 Dim PathAndName As String
61
62
63 'General Purpose classes
64 Dim Owner As String
65 Dim NewDocument As Integer
66
67 'Client Differentiation
68 Dim IsWebClient As Variant
  
```

Related Topics

NotesSession class

Represents the environment of the current script, providing access to environment variables, Address Books, information about the current user, and information about the current Notes platform and release number.

See also:

- Examples: NotesSession class
- NotesSession class

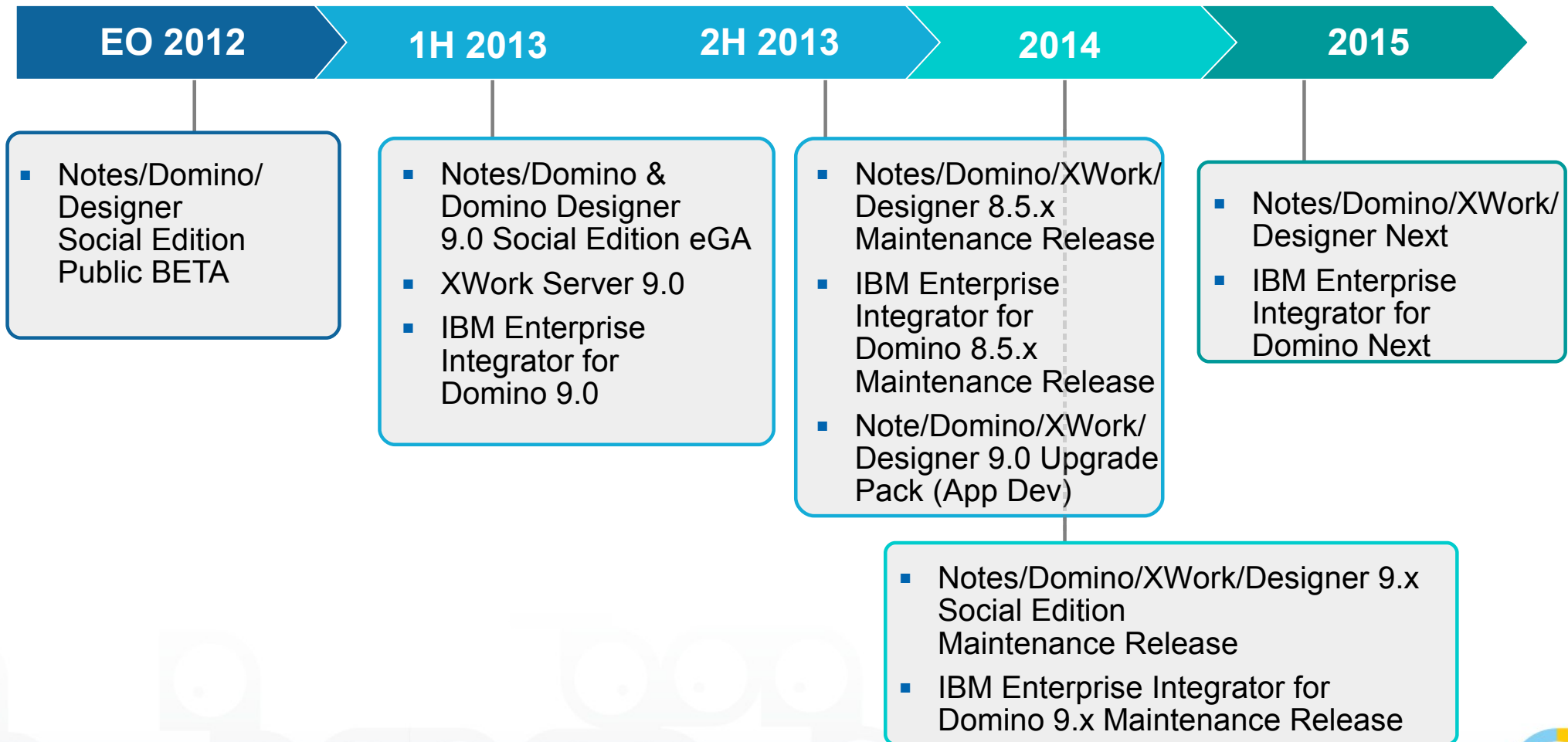
More results...

Dynamic Help Search

Demo



IBM Domino/XWork & Domino Designer Continued Investment In Application Development



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App Dev Community – Putting the Best Foot Forward

OpenNTF

- 77K Registered users
- 670K visits in '12
- 221 Contributions & 132K Downloads in '12
- >100K video views on YouTube
- Reaching out – Stack Overflow & GitHub

OpenNTF Contests

- 3 contests complete; 73 contributors & 102 contributions
- 4th Contest underway
 - XPages integration with Connections
 - Quickstart Domino & Connections image

Collaboration Today

- Compilation of current and relevant news for IBM Collaboration Solutions
- Community curated content
- Community developed XPages app
 - REST API for embedding in your own site
 - Template available on OpenNTF → [Link](#)

The screenshot shows the 'Collaboration Today' website. At the top, there's a navigation bar with 'Collaboration Today' and a 'Categories' dropdown. Below this, there's a section for 'News about IBM Collaboration Solutions' with four featured articles: 'IBM Connections V4.0 Announcement', 'Webcast Replay: From Liking to Leading - The Success of your Business is Social', 'Announcing IBM Connect 2013', and 'OpenNTF Development Contest'. A 'Featured' section follows with three articles: 'IBM Connections Mail now available for IBM Connections 4', 'Heating Up: The Sizzling Summer of Social CRM', and 'Interview: Social Business = Creating a smarter workforce & a proven solution to business challenges'. On the right side, there's a 'RECENT' section listing various events and news items like 'IBM Social Business App Dev Workshop', 'Social Connections IV just 10 weeks to go', and 'Why Social Media Is No Longer Optional'.

The screenshot shows a Twitter thread. The top tweet is from Gayathri Viswanathan (@g3vish) with a 'Follow' button. The text says: 'Tried @Collab2day from my nook color. The #responsive design works very well. Very cool video from @nheidloff as well notesin9.com/index.php/2012...'. Below it is a tweet from Steven Chapman (@chappers72) with a 'Follow' button. The text says: 'Inspired by @Collab2day homepage I decided to rewrite our custom controls for our intranet using Bootstrap. Simple and looks great.'. At the bottom is a tweet from sandy carter (@sandy_carter) with a 'Follow' button. The text says: 'I am loving tinyurl.com/Sudkqm2! #ibmpartner #socbiz #ibmsocialbiz'.

Coming soon...

Appathon

Social app dev contests

\$10,000 in
contest
prizes!

 **WebGate** *developerWorks.*

 **TIMETOACT GROUP**
SOFTWARE & CONSULTING

 **OpenNTF.Org**

appathon.openntf.org

Two Social App Dev Contests

- IBM Connections
- IBM XPages technology

Sponsored by

- TIMETOACT GROUP
- WebGate
- IBM developerWorks

Hosted by

- OpenNTF

