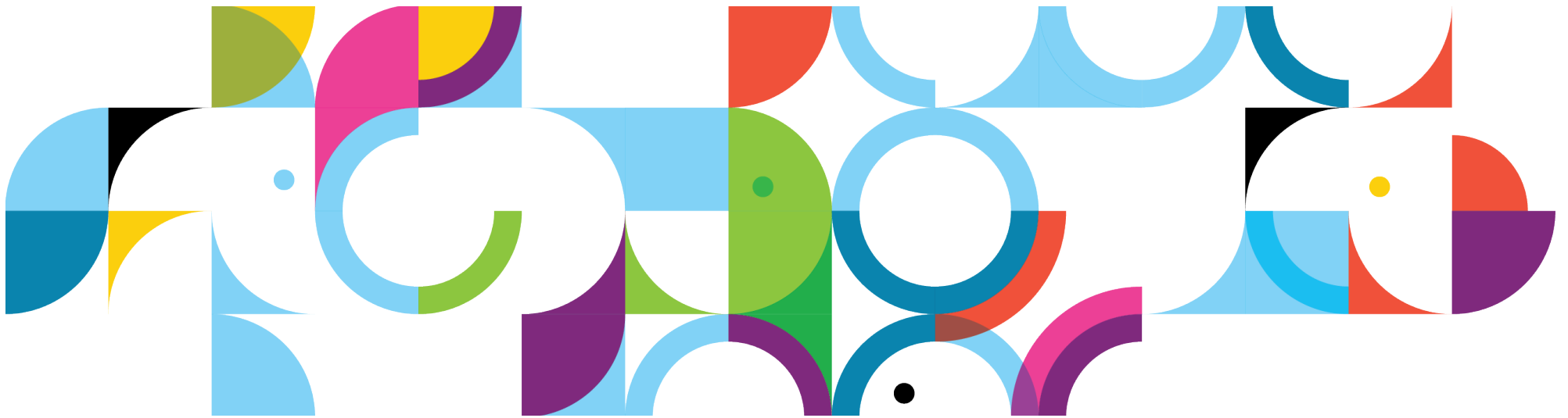


Lotus Domino XPages 8.5.3

Stefan Neth

IBM Social Business and Collaboration Solutions



Agenda

- **Ist Situation ?**
- Was sind Lotus XPages ?
- Aktuelle Beispiele für XPages Anwendungen
- Demo
- Wie können XPages Ihnen das Leben leichter machen ?
- Die XPages Community

Ist Situation

- Nutzen Sie bereits Notes und Domino Versionen ab 8.5.x.
- Wenden Sie Web Technologien mit Domino Servern und mit Notes an?
- Sind Mobile Anwendungen für Sie ein Thema ?
- Kennen Sie Innovationsstau ?
- Fehlt Ihnen der Synergie Effekte im Kollaborations-Umfeld ?
- Zahlen Sie für kostspielige Mehrfachentwicklungen für verschiedene Clients (Notes, Web, Mobile) ?

These: Kunden die XPages nutzen erkennen das Potential durch moderne Anwendungen ihre web(tt)bewerbsfähig zu steigern und Mehrwerte/Synergien im Kollaborationsumfeld zu schaffen.

Haben wir hierfür eine Lösung ?

Discussion
WebAppdev Storyboard Discussion

[Previous Page](#) | [Next Page](#) | [First Page](#) | [Last Page](#) | [Expand](#) | [Collapse](#)

All Documents

Date ▲	Topic
05/21/2007 4	▼ New Sales Orders slides are done (Jane Doe)
	Nice work -- just a couple comments (John Smith)
	What's the plan for merging these with the partner's slides? (Mark Adams)
	Gail is handling the merge (Jane Doe)
	Slide 10 is vastly improved -- thanks (John Smith)
06/21/2007 10	▼ 2008 Plans Anchor Document (Jane Doe)
	Research findings (John Smith)
	First stab at timeline section (Mark Adams)
	Pricing section (John Smith)
	Revisions for Pricing section (Jane Doe)
	Resource estimates (John Smith)
	revisions for timeline (Jane Doe)
	comments (John Smith)
	Resource estimates are missing a few things (Mark Adams)
	Another research tidbit (John Smith)
	Notes from Tues review meeting (John Smith)
05/21/2007	Update on meeting with Jill S (John Smith)
05/20/2007 1	▼ Comments/updates on slides (Mark Adams)
	couple comments back at ya! (John Smith)
06/20/2007 1	▼ latest version for Briefing (Jane Doe)
	minor updates (Mark Adams)
05/20/2007 1	▼ Combined slides for 4pm Wed mtg (Mark Adams)

on BalabanBTT/BTT

Applet dominoActionBar started Local intranet

Agenda

- Ist Situation ?
- **Was sind Lotus XPages ?**
- Aktuelle Beispiele für XPages Anwendungen
- Demo
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Lotus XPages ab Version 8.5

The screenshot shows a web browser window displaying the Lotus XPages interface for a discussion forum. The browser's address bar shows "Discussion 2.0". The page header includes the IBM logo, a "Welcome Anonymous | Logout" link, and a search bar. The main content area is titled "Discussion 2.0" and features a "New Main Topic" button. A sidebar on the left contains navigation options: "All Documents", "By Most Recent", "By Author", "By Category", and "My Documents". Below these are "3 Authors" (Ann Doe, John Doe, Mary Smith) and "6 Tags" (Author Profiles, Custom Controls, Questions, Reference, Specifications, XPages). The main content area lists several documents with their titles, authors, creation dates, and response counts. The documents listed are: "Proxy container custom control degrades performance" (John Doe/Springfield, 11-Jul-2008 08:20, 1 response), "*Maybe Maire should fix that ;-)" (John Doe/Springfield, 11-Jul-2008 08:59), "JAR File Information" (Ann Doe/Springfield, 09-Jul-2008 03:26, 7 responses), "How to verify a signed JAR file using JARSIGNER" (John Doe/Springfield, 09-Jul-2008 03:26), and "How to manually create keys and a self-signed certificate using KEYTOOL" (Mary Smith/Springfield, 09-Jul-2008 03:26). The page footer includes the copyright notice "© Copyright IBM Corporation 2007, 2008. All Rights Reserved." and the Lotus logo with the text "Web 2.0 powered by Domino XPages". The browser's status bar at the bottom shows "Internet" and "100%" zoom.

Web Anwendungen sahen nie besser aus

The screenshot shows the IBM Discussion 2.0 web application interface. Several callouts highlight key features and improvements:

- benutzerdefiniertes Design**: Points to the IBM logo and the site header.
- Styles Themes**: Points to the search bar area.
- verbesserte Benutzerfreundlichkeit**: Points to the 'All Documents' section and the 'New Main Topic' button.
- Schnellere Navigation durch Verschlagwortung**: Points to the '3 Authors' and '6 Tags' sections in the left sidebar.
- Copyright**: Points to the footer area.

The main content area displays a list of documents under the heading 'All Documents'. The first document is 'Proxy container custom control degrades performance' by Tony McGuckin/Ireland/IBM, dated 11-Jul-2008 08:20, with 1 response. Below it is a reply: '*Maybe Maire should fix that :-)' by Thomas Gumz/Westford/IBM, dated 11-Jul-2008 08:59. The second document is 'JAR File Information' by Thomas Gumz/Westford/IBM, dated 09-Jul-2008 03:26, with 7 responses. Below this are two sub-entries: 'How to verify a signed JAR file using JARSIGNER' and 'How to manually create keys and a self-signed certificate using KEYTOOL', both by Thomas Gumz/Westford/IBM, dated 09-Jul-2008 03:26.

At the bottom right, the footer includes the Lotus logo and the text 'Web 2.0 powered by Domino XPages'.

- XPage Gründe:**
- überzeugendes U/I
 - schnell & einfach anpassbar
 - einfach zu verteilen

Lotus XPages ab Version 8.5

- Software
 - Lotus Domino ab Version 8.5
 - Lotus Notes Client ab Version 8.5.1
 - Erweiterungs API und Extension Library aber Version 8.5.2
 - Lotus Domino Designer (einfache Client Lizenz CAL)
- Know how
 - Web/Notes Entwickler
 - Web/Java script Entwickler
 - Web/Java Entwickler

Die Einarbeitungszeit für Entwickler, egal aus welcher der aufgelisteten Communities, ist überschaubar da bereits im Markt befindliche Technologien mit bewährter Notes/Domino Entwicklungsoptionen intelligent kombiniert werden.

Domino Anwendungsentwicklung ab Version 8.5

- Komplette RADD Entwicklungsumgebung für Geschäftslösungen



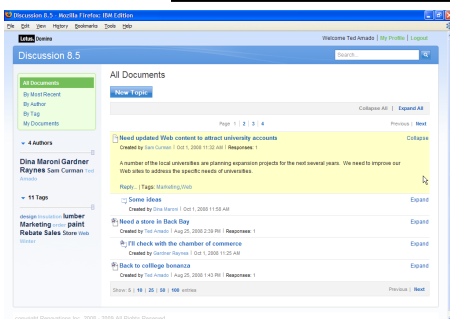
“In der Zeit in der man für C#/Java die Spezifikationen erarbeitet ...
ist die Anwendung in Notes / Domino schon fertig”

- Domino Designer

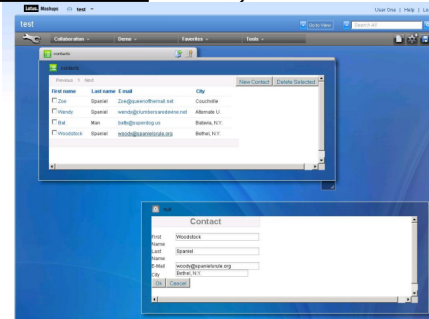
- Moderne Eclipse basierende IDE mit einem erweiterbaren Entwicklungsgerüst
- Wartung bestehender und Entwicklung neuer Anwendungen

- XPages – Web 2.0 Rahmenwerk

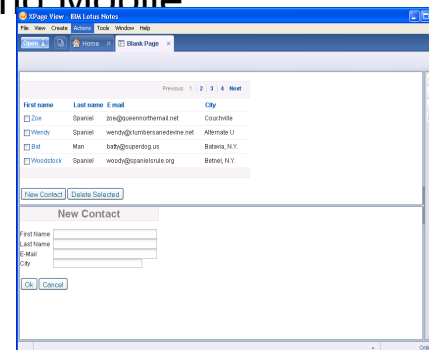
- Java Entwickler haben eine geringe Einarbeitungszeit da XPages auf JavaServer Faces basieren
- Unterstützt etablierte Web Entwicklungsmethoden (HTML, CSS & Java scrip
- Ein Entwicklungsmodell für Web, Rich Client und Mobile



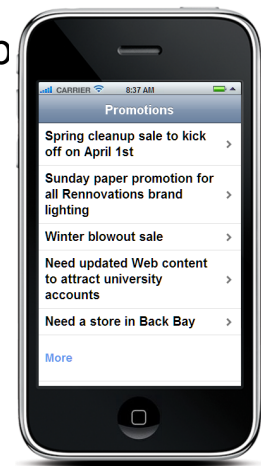
Web 2.0



Mashups



Notes Client



Mobile Devices

Weitere Vorteile

XPages Laufzeitumgebung

- Lotus Domino ab Version 8.5
- Lotus Notes Client ab Version 8.5.1 lokal und offline
- Als iWidget in Mashups und Websphere Portal und überall wo iWidgets laufen.

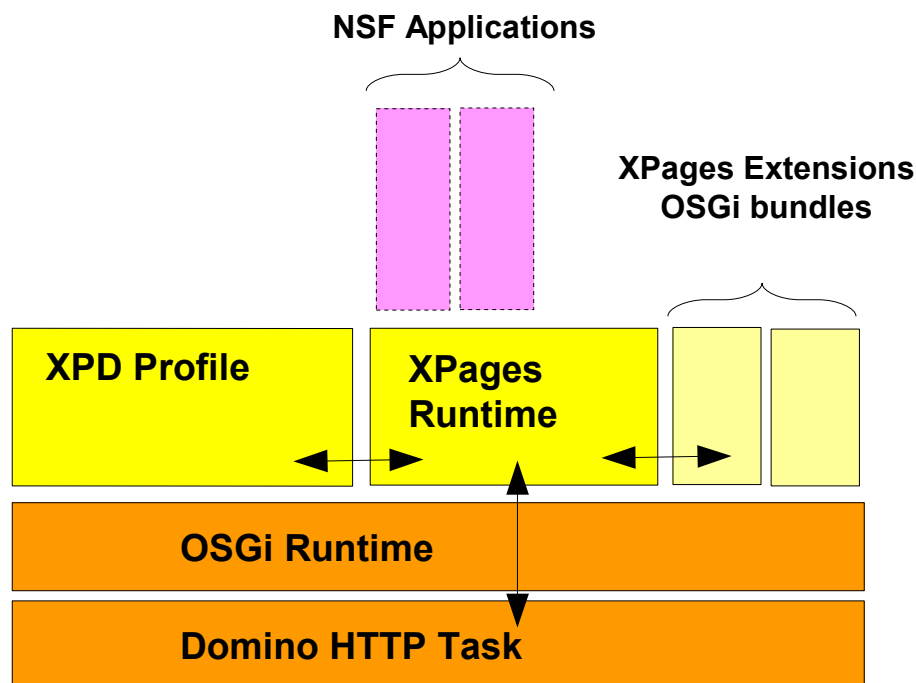
Integration im Web und auf dem Client

- Mit Portlets im Portal, Sametime, Connections, Quickr
- Verbinden Notes Datenbanken miteinander
- Datenquellen wie Datenbanken (JDBC) und verschiedene Schnittstellen (REST)

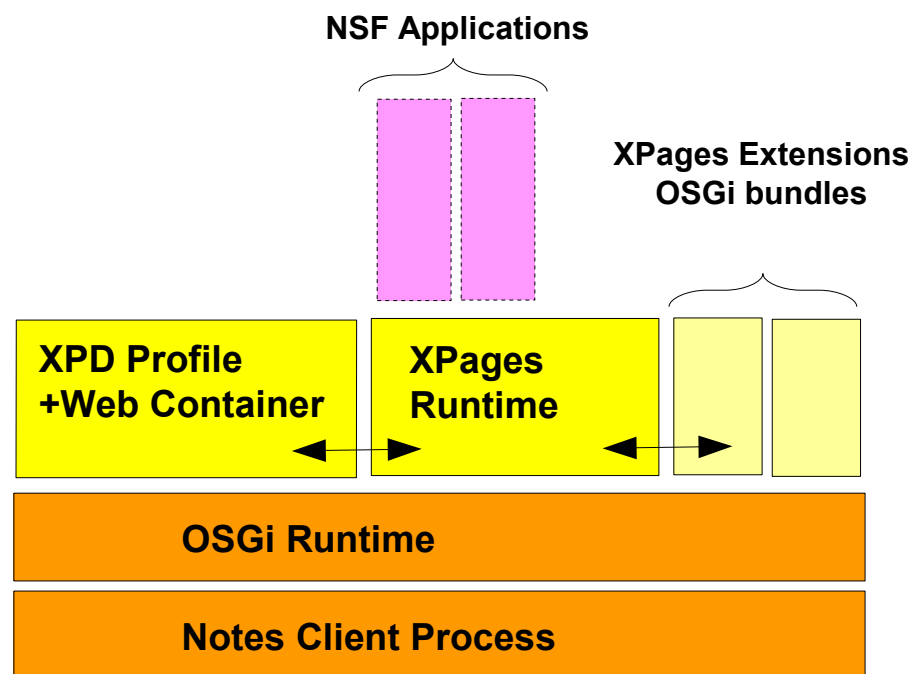
etwas mehr Technik...

- XPages is a Java™ runtime built on top of JavaServer™ Faces 1.1 (JSF)
 - JSF has been extended in many ways to make it richer and easier to use (ajax behaviors, script languages, extended control set...)
 - JSF APIs and concepts fully apply to XPages
 - Runs on top of OSGi
 - No deployment step needed – works just like other Domino design elements
- XPages runs within a servlet engine
 - A custom servlet engine is used to run NSF based Web applications
The NSF is seen as a deployed J2EE® Web Module
 - The Servlet API is available to the running XPages
- The Dojo Toolkit is used as the runtime JavaScript™ library
 - Used as a core JavaScript library as well as a UI widget framework
 - Tightly integrated within the XPages Runtime

XPages Architecture – 8.5.x



Domino Server



Notes Client

- Both the Domino server and the Notes client are deployed as OSGi bundles
The same extension mechanism is used in both platforms; extensions are provided as OSGi bundles.

Automatisierte Migration von Notes Anwendungen

Cloud Computing

- Domino Cloud
- SI & Datacenter Cloud Platform
- ISV Cloud Platform
- Enterprise Cloud Platform
- Transformer 2.0
- ePDF

Products & Services > Cloud Computing > Transformer 2.0

GBS Transformer 2.0

Lotus Notes® and Domino® is one of the most prolific application platforms in the world, with more than 10 million enterprise applications built on it since the early 1990s. The latest releases of Lotus Notes and Domino offer unprecedented benefits, and along with new XPages, the future has never been so bright.

Many companies have a large number of Domino applications they want to modernize, but do not know where to start. Let Group Business Software (GBS) take these applications and automatically transform them to modern Web 2.0 style applications. Now you can take full advantage of the newest releases of Lotus Notes and Domino without having to invest in costly re-development.

STEP INTO THE FUTURE

Highlight Videos



Transformer 2.0 Launch Event

 GBS Transformer 2.0

- Unser IBM Business Partner Group bietet ein Werkzeug zur teilautomatisierten Migration bestehender Notes Anwendung nach XPages an.
- Es besteht ein Vertrag zur Zusammenarbeit zwischen Group und den IBM Software Service für Lotus zur Nutzung des Transformers in IBM Projekten
- Details zu Tranformer unter <http://www.gbs.com/en/transformer>

Towards a New Development Model

The world is evolving fast and we need to adapt to the changes quickly

- The product release cycles do not match the community expectations
- We need to deliver on shorter cycles!

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, which can be a blocker in some organizations
- The code is not certified with IBM quality standards (localization, accessibility...)

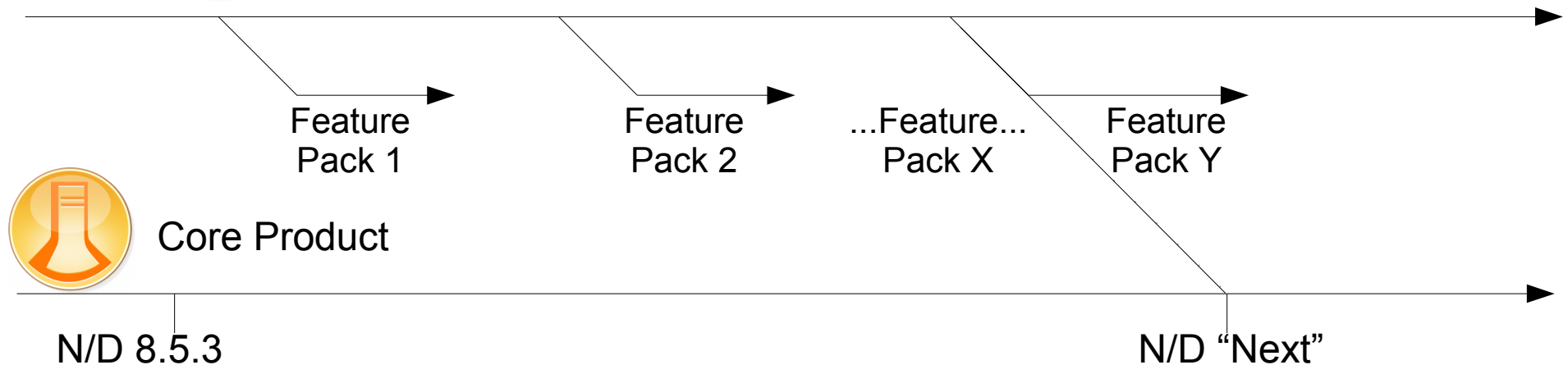
How can we reconcile the two models?

Product, Feature Packs and Open Source

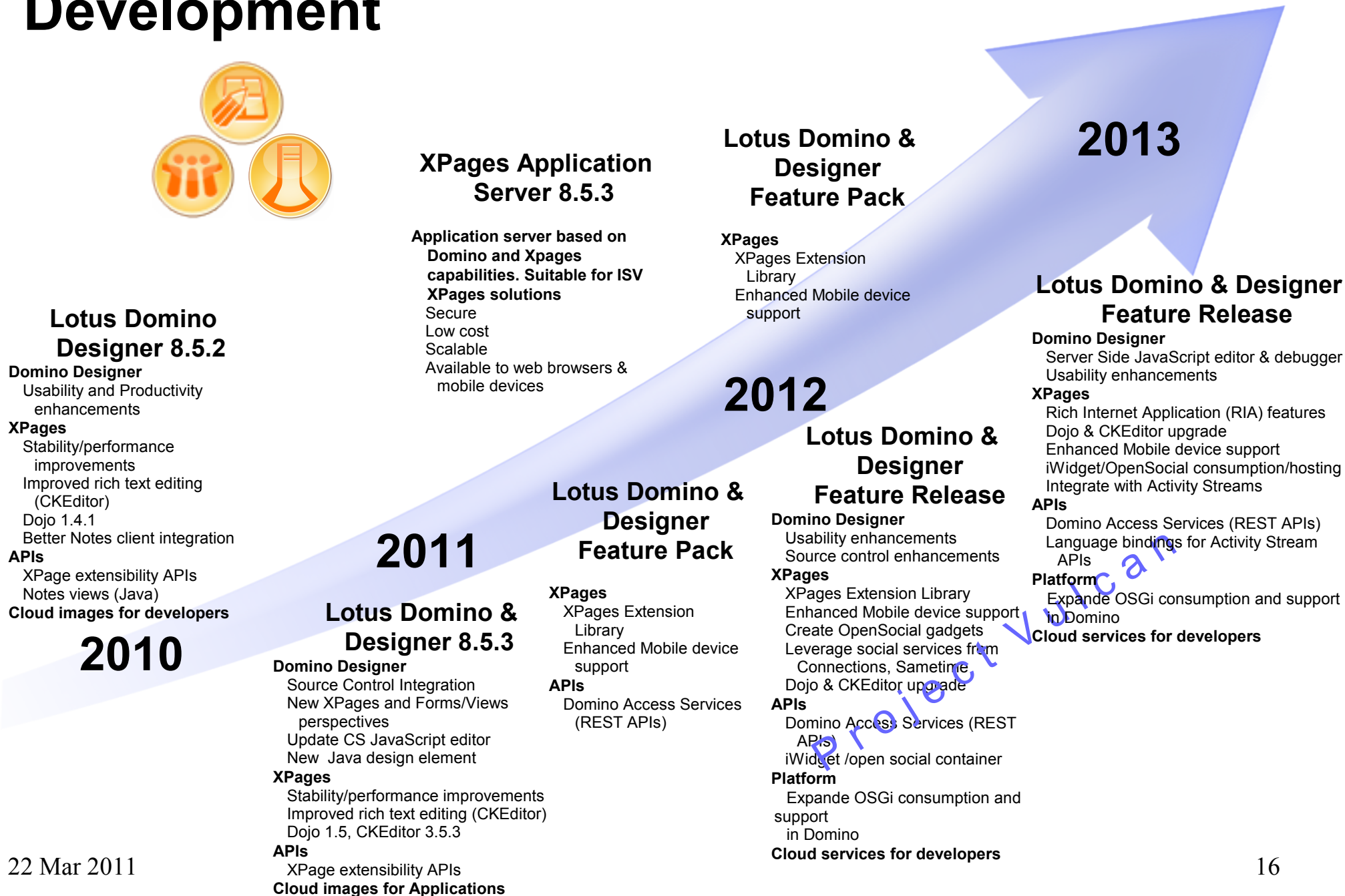
- The code is first released on openNTF
 - Available early and gives full transparency on what is being done
- Pieces from openNTF are extracted and delivered as Feature Packs, supported by IBM
 - Feature packs are delivered on a shorter release cycle than products
- Feature Packs are integrated into the next revision of the product



Continuous development released as open source



Lotus Notes & Domino Application Development



Lotus Domino Designer 8.5.2

- Domino Designer**
Usability and Productivity enhancements
- XPages**
Stability/performance improvements
Improved rich text editing (CKEditor)
Dojo 1.4.1
Better Notes client integration
- APIs**
XPage extensibility APIs
Notes views (Java)
- Cloud images for developers**

2010

XPages Application Server 8.5.3

- Application server based on **Domino and Xpages capabilities. Suitable for ISV XPages solutions**
- Secure
- Low cost
- Scalable
- Available to web browsers & mobile devices

2011

Lotus Domino & Designer 8.5.3

- Domino Designer**
Source Control Integration
New XPages and Forms/Views perspectives
Update CS JavaScript editor
New Java design element
- XPages**
Stability/performance improvements
Improved rich text editing (CKEditor)
Dojo 1.5, CKEditor 3.5.3
- APIs**
XPage extensibility APIs
- Cloud images for Applications**

Lotus Domino & Designer Feature Pack

- XPages**
XPages Extension Library
Enhanced Mobile device support
- APIs**
Domino Access Services (REST APIs)

2012

Lotus Domino & Designer Feature Pack

- XPages**
XPages Extension Library
Enhanced Mobile device support

Lotus Domino & Designer Feature Release

- Domino Designer**
Usability enhancements
Source control enhancements
- XPages**
XPages Extension Library
Enhanced Mobile device support
Create OpenSocial gadgets
Leverage social services from Connections, Sametime
Dojo & CKEditor upgrade
- APIs**
Domino Access Services (REST APIs)
iWidget /open social container
- Platform**
Expand OSGi consumption and support in Domino
- Cloud services for developers**

2013

Lotus Domino & Designer Feature Release

- Domino Designer**
Server Side JavaScript editor & debugger
Usability enhancements
- XPages**
Rich Internet Application (RIA) features
Dojo & CKEditor upgrade
Enhanced Mobile device support
iWidget/OpenSocial consumption/hosting
Integrate with Activity Streams
- APIs**
Domino Access Services (REST APIs)
Language bindings for Activity Stream APIs
- Platform**
Expand OSGi consumption and support in Domino
- Cloud services for developers**

Agenda

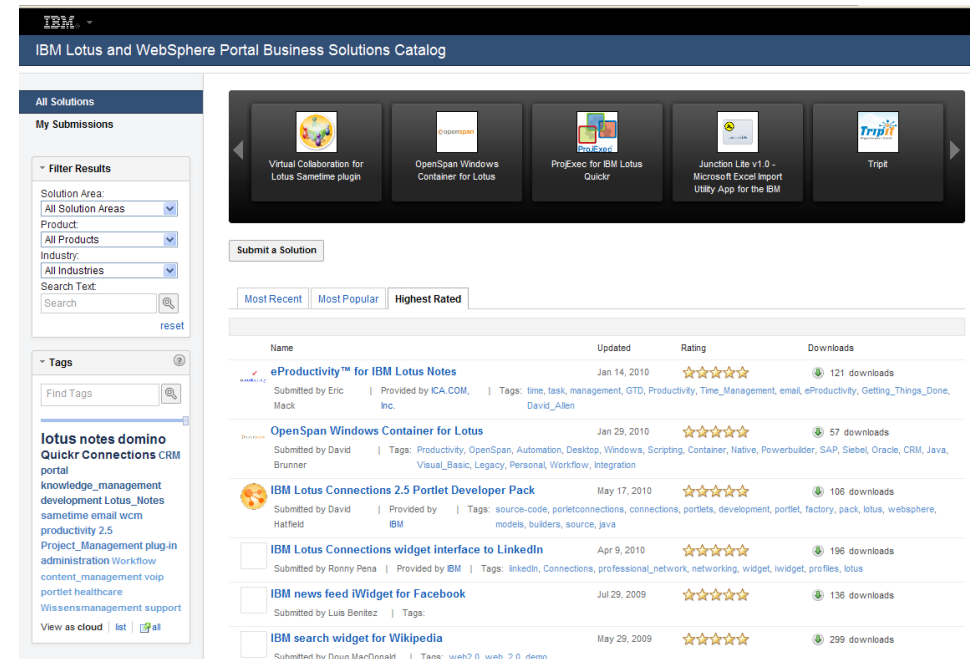
- Ist Situation ?
- Was sind Lotus XPages ?
- **Aktuelle Beispiele für XPages Anwendungen**
- Demo
- Wie können XPages Ihnen das Leben leichter machen ?
- Die XPages Community

Zentraler Startpunkt: XPages.info

The screenshot shows the XPages.info website interface. At the top left, it features the 'IBM Lotus' logo and the 'XPAGES' branding. A navigation menu includes links for 'OpenNTF', 'Wiki', 'PlanetLotus', 'Forum', and 'developerWorks®'. A yellow banner on the right side of the header reads 'From the Leader in XPages Training' with the 'tlcc.com' logo. Below the header is a secondary navigation bar with buttons for 'Home', 'Get Started', 'Downloads', 'Demos', 'Host', 'Resources', 'Contest', 'Videos', and 'Blog', along with a search box. The main content area is titled 'Rapid Web and Mobile Application Development Platform' and contains four large blue buttons with icons: 'Get Started' (checkmark), 'Downloads' (downward arrow), 'Demos' (binoculars), and 'Resources' (folder). At the bottom, there are two horizontal bars: one for 'News - Blog Entries, Wiki Articles, OpenNTF Projects' and another for 'Development Contest'.

Öffentlich zugängliche XPages Anwendungen

- developerWorks/Lotus wikis
 - <http://www.ibm.com/developerworks/lotus/community/wikis.html>
- OpenNTF – Home page, forums, catalog
 - <http://openntf.org>
 - Mobile access to OpenNTF
 - <http://m.openntf.org>
 - <http://i.openntf.org> (uses Dojo 1.5)
- IQJam
 - <http://iqjam.net/>
 - Elguji.com
- IBM Lotus und Websphere Portal Business Solutions Catalog
 - catalog.lotus.com



IBM Lotus and WebSphere Portal Business Solutions Catalog

All Solutions

My Submissions

Filter Results

Solution Area: All Solution Areas

Product: All Products

Industry: All Industries

Search Text: Search

reset

Tags

Find Tags

lotus notes domino Quickr Connections CRM portal

knowledge_management development Lotus_Notes sametime email wcm productivity 2.5 Project_Management plug-in administration Workflow content_management voip portlet healthcare Wissensmanagement support

View as cloud list all

Submit a Solution

Most Recent Most Popular Highest Rated

Name	Updated	Rating	Downloads
eProductivity™ for IBM Lotus Notes Submitted by Eric Mack Provided by ICA.COM, Inc. Tags: time, task, management, GTD, Productivity, Time_Management, email, eProductivity, Getting_Things_Done, David_Allen	Jan 14, 2010	★★★★★	121 downloads
OpenSpan Windows Container for Lotus Submitted by David Brunner Tags: Productivity, OpenSpan, Automation, Desktop, Windows, Scripting, Container, Native, Powerbuilder, SAP, Siebel, Oracle, CRM, Java, Visual_Basic, Legacy, Personal, Workflow, Integration	Jan 29, 2010	★★★★★	57 downloads
IBM Lotus Connections 2.5 Portlet Developer Pack Submitted by David Hattfeld Provided by IBM Tags: source-code, portletconnections, connections, portlets, development, portlet, factory, pack, lotus, websphere, models, builders, source, java	May 17, 2010	★★★★★	108 downloads
IBM Lotus Connections widget interface to LinkedIn Submitted by Ronny Pena Provided by IBM Tags: linkedin, Connections, professional_network, networking, widget, iwidget, profiles, lotus	Apr 9, 2010	★★★★★	196 downloads
IBM news feed iWidget for Facebook Submitted by Luis Benitez Tags:	Jul 29, 2009	★★★★★	136 downloads
IBM search widget for Wikipedia Submitted by Doug MacDonald Tags: web2.0, web_2.0_demo	May 29, 2009	★★★★★	299 downloads

Agenda

- Ist Situation ?
- Was sind Lotus XPages ?
- Aktuelle Beispiele für XPages Anwendungen
- **Demo**
- Wie können XPages Ihnen das Leben leichter machen ?
- Die XPages Community

Agenda

- Ist Situation bei vielen unserer Lotus Notes/Domino Kunden
- Was sind Lotus XPages ?
- Aktuelle Beispiele für XPages Anwendungen
- Demo
- **Wie können XPages Ihnen das Leben leichter machen ?**
- Die XPages Community

XPages helfen Ihnen bei:

- der Integration der Daten bestehender Notes Anwendungen
 - Verknüpfung der Daten aus verschiedenen Quellen
 - Über mehrere Datenbanken hinweg
 - Offlinefähig und lokal für Außendienst
- Anwendungen einmal entwickeln und im beliebigen Kontext einsetzen
- Nahtlose Integration mit anderen Lotus Produkten
- XPages integrieren sich in bestehende Anwendungen via Wirering und iWidgets
- Einfache Umsetzung eines CI (Corporate Identity) und Mehrsprachigkeit in allen Anwendungen
- Mobile und Social Anwendungen mit geringem Mehraufwand
- Weitere Möglichkeiten:
 - Anwendung der IBM Integrationsstrategie via XPages und offene Standards
 - Quickr Toolkit, Sametime Integration
 - JDBC für relationale Datenbanken oder REST für Dateninhalte

Agenda

- Ist Situation bei vielen unserer Lotus Notes/Domino Kunden
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- **Die XPages Community**

openntf.org

- Open source community für Notes/Domino Entwickler
- Neue XPages Oberfläche
- Laufend neue / aktualisierte Projekte

The screenshot shows the openntf.org website interface. At the top, there are navigation tabs: Home, Download, **Projects**, Blog, Forums, About, and Get Involved. Below the navigation is a 'Find and Create Projects' section with a search bar and a dropdown menu. The search bar contains '3D History Thumbnail Viewer' and a 'Go' button. Below the search bar, it says 'You can create new projects here.' To the right, there is a sidebar with 'Explore OpenNTF' and a list of links: Projects Overview, Projects Installation, Help Wanted, Featured Project of the Month, and Follow OpenNTF. Below the search bar, there are two columns of project lists: 'Most Active Projects' and 'Most Downloaded Projects'. The 'Most Active Projects' list includes 'XPages Mobile Controls' by Niklas Heidloff and Steve Castledine, and 'SimplePdf' by Olli Kämäräinen. The 'Most Downloaded Projects' list includes 'GooCalSync' by Ian Gillett and 'DominoTeamMailbox' by Brian Green.



Name	Contributed by
XPages Toolbox	Philippe Riand
XPages API Inspector	Tommy Valand
XPages Mobile Controls	Niklas Heidloff, Steve Castledine
XPages Fisheye Control	Shi Jia Zhang, Yong Hua Zhan, Zhi Le Yang
XPages Login	Steve Castledine, Niklas Heidloff
XPages Framework	Steve Castledine, Niklas Heidloff
XPages Control for IBM Lotus Sametime Names	Yong Hua Zhan, Zhi Lei Yang, Shi Jia Zhang
XPages Multi Attachment Custom Control	John Mackey
XPages Unit Tests	Lorcan McDonald
XPages Demo Application	Paul Hannan
XPages Mobile Controls	Niklas Heidloff, Steve Castledine

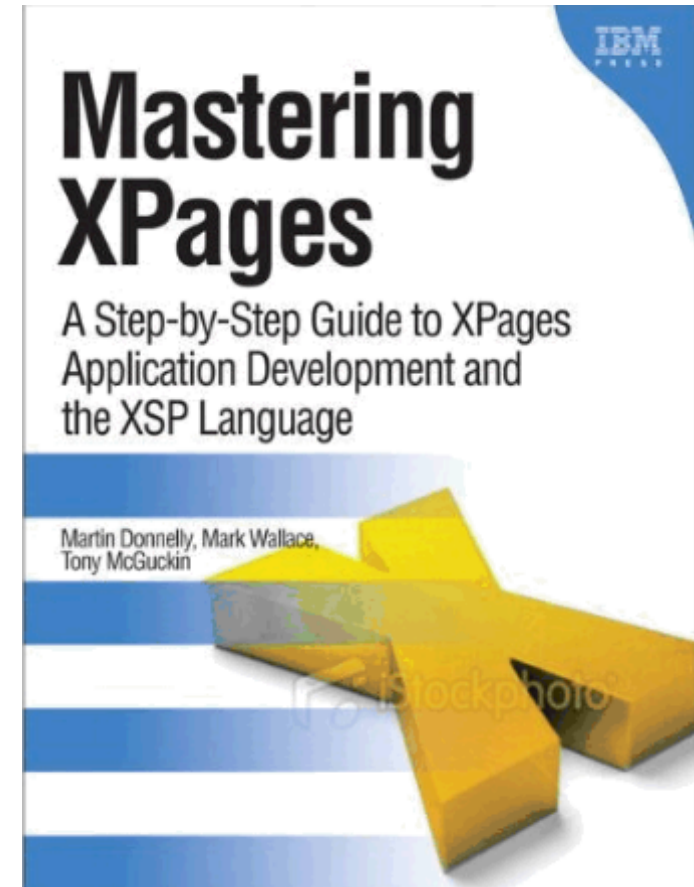
Mastering XPages

A comprehensive new book for XPages developers!!!

- 785 page volume by lead members of XPages dev team
- Covers all aspects of XPages application development
- Example-driven approach focusing on practical problems
- Includes sample NSF downloads

Available online

- www.ibmpressbooks.com/bookstore/product.asp?isbn=0132486482
- www.amazon.com/Mastering-XPages-Step-Step-Application/dp/0132486318



was wir schon immer können...

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 Issue Tracking
 Source Code
 Committers

The Apache CouchDB Project

Apache CouchDB is a document-oriented database that can be queried and indexed in a MapReduce fashion using JavaScript. CouchDB also offers incremental replication with bi-directional conflict detection and resolution.

CouchDB provides a RESTful JSON API than can be accessed from any environment that allows HTTP requests. There are myriad third-party client libraries that make this even easier from your programming language of choice. CouchDB's built in Web administration console speaks directly to the database using HTTP requests issued from your browser.

CouchDB is written in [Erlang](#), a robust functional programming language ideal for building concurrent distributed systems. Erlang allows for a flexible design that is easily scalable and readily extensible.

See the [introduction](#) and the [technical overview](#) for more information.

How to Get Started

Read the [introduction](#) and the [technical overview](#) to learn more about the design and basic concepts of CouchDB. To give it a try, download the CouchDB code from the [Subversion repository](#) and follow the included build instructions.

Enablement & Services

Ausbildung für Domino Designer / XPages

IBM Angebote

- http://www-304.ibm.com/jct03001c/services/learning/ites.wss/de/de?pageType=course_list&subChapter=12158&subChapterInd=S&subChapterName=IBM+Notes+and+Domino+8.5.x&chapter=6738&chapterName=Lotus
- http://www-304.ibm.com/jct03001c/services/learning/ites.wss/de/de?pageType=course_list&subChapter=12157&subChapterInd=S&subChapterName=IBM+Notes+and+Domino+8.5&chapter=6738&chapterName=Lotus
- Partner Angebote für Schulungen

Services für XPages

- ISSL Angebote
 - Anwendungsmodernisierung
 - XPages Entwicklung
- Zahlreiche Partnerlösungen und Services rund um XPages

Resources

Lotus Notes/Domino Application Development Wiki powered by XPages!

- www-10.lotus.com/ldd/ddwiki.nsf
- http://www-10.lotus.com/ldd/ddwiki.nsf/dx/Whats_New_in_852_for_XPages

OpenNTF – Open source developer community

- www.openntf.org/Internal/home.nsf

Planet Lotus – Aggregation of Lotus related blogs. Lots of Domino app dev related posts.

- <http://planetlotus.org/search.php?search=xpages&sort=1>

XPages blog: <http://xpagesblog.com/>

IBM DeveloperWorks

- www.ibm.com/developerworks/lotus/

Viele weitere Blogs im Internet

