



Entwicklercamp 2012

XPages

Die Grundlagen

26. – 28..03.2012

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Agree, or Schrödinger will kill a kitten in a box. Maybe ...



Über: Ulrich Krause

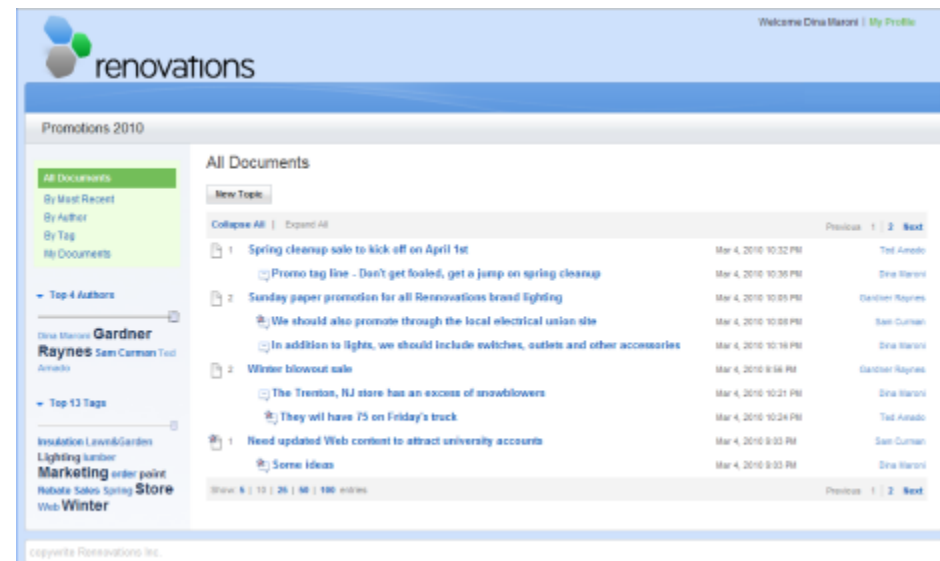
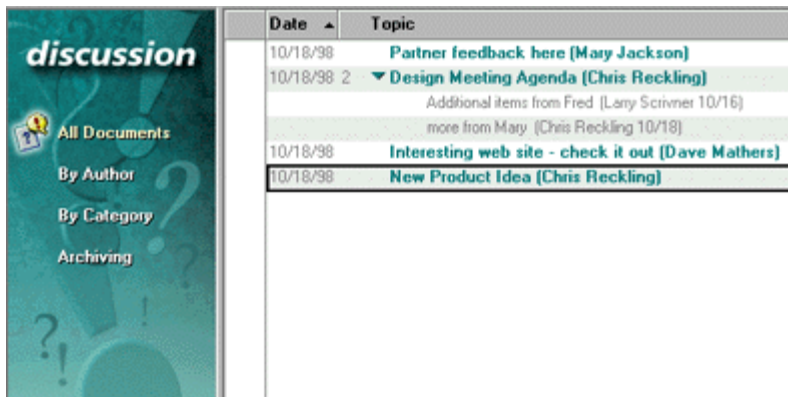
- Lotus Notes / Domino Administrator & Entwickler seit 1993
- Business Application Developer **is@web**, Nürnberg / Ratingen
- OpenNTF <http://openntf.org>
 - !!HELP!!, Cebulon, Trigger Happy
 - XPages Custom Controls
- IBM Champion 2011
 - https://www-304.ibm.com/connections/blogs/socialbusiness/entry/announcing_the_2011_ibm_champions_for_collaboration_solutions4?lang=de
- Blog <http://www.eknori.de>
- Notes Forum (<http://www.atnotes.de>)





Warum Xpages ?

- Lassen Sie ihre Entwickler mit modernen Werkzeugen arbeiten und zeitgemäßen Code schreiben
- Bringen Sie Ihre Anwendungen ins Web und ermöglichen Sie den Zugriff über mobile Endgeräte
- Geben Sie Ihren Anwendern moderne Anwendungen





Why Xpages ?

- The classic interface looks decent and works well, but to get to that point I have used pretty much every Domino web development hack that I have learned over the past fourteen years.
- In contrast the XPages version has pretty much every feature of the classic version (including a few extras that just aren't possible in classic), ...
- In fact most was written when I had less than 3 months XPages under my belt.

Matt White, Elguji Software

<http://xpagesblog.com/xpages-blog/2009/9/24/why-xpages-a-managers-point-of-view.html>



White Paper

- Paul Withers - Maximize the Benefits of Lotus Domino 8.5.2 with Xpages
 - [http://hermes.intec.co.uk/Intec/Blog.nsf/dx/Maximising%20The%20Benefits%20of%20XPages%20in%208.5.2.pdf/\\$file/Maximising%20The%20Benefits%20of%20XPages%20in%208.5.2.pdf](http://hermes.intec.co.uk/Intec/Blog.nsf/dx/Maximising%20The%20Benefits%20of%20XPages%20in%208.5.2.pdf/$file/Maximising%20The%20Benefits%20of%20XPages%20in%208.5.2.pdf)

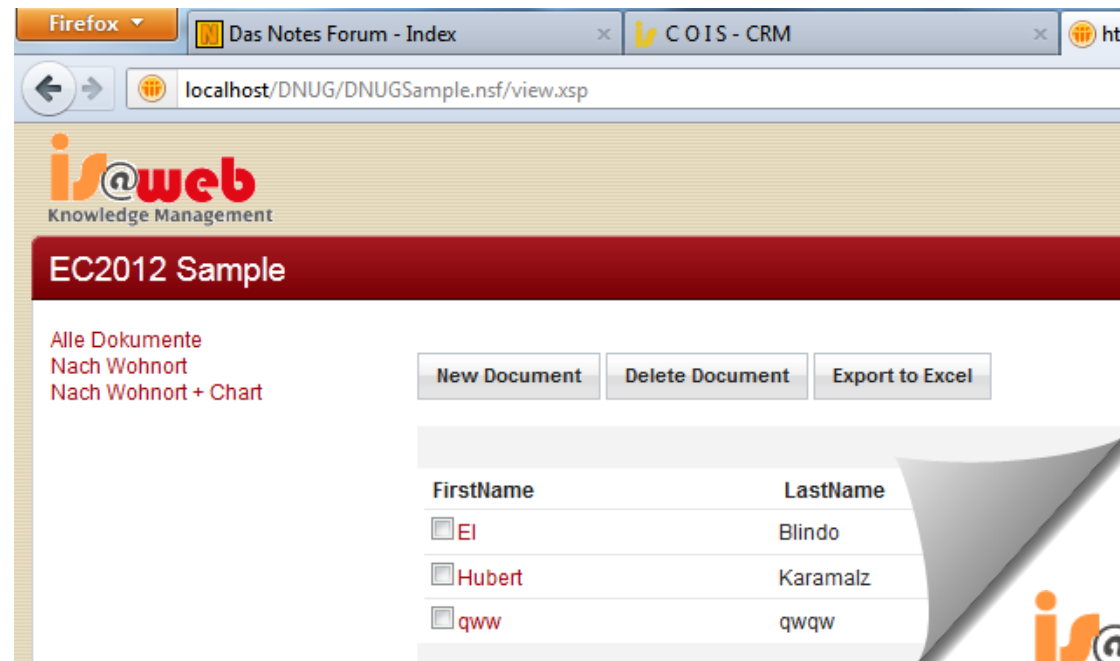
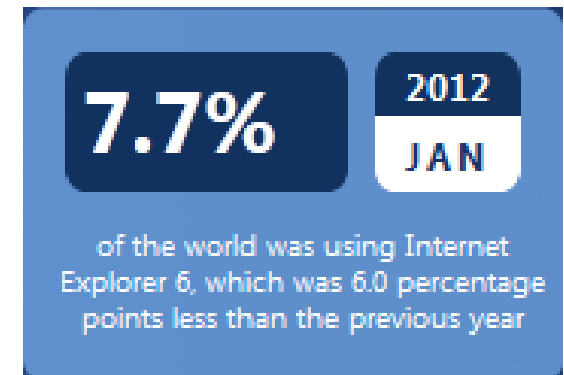


1 What is XPages?	3
2.0 Risk-Benefit Analysis	4
2.1 Software Impacts	4
2.2 Delivery Options	5
2.2 Learning Requirements	6
2.3 Technical Analysis of XPages Functionality	7
3.0 Summary	9



Wo laufen meine XPages?

- Browser
 - Firefox, Safari, Chrome, Internet Explorer*
 - * IE6 **must** die! , sagt Microsoft
- Für die Entwicklung Firefox verwenden
 - Firebug
 - YSlow
 - PageSpeed





Wo laufen meine XPages?

- XPiNC (**X**Pages in **N**otes **C**lient)

is@web Knowledge Management

EC2012 Sample

Alle Dokumente
Nach Wohnort
Nach Wohnort + Chart

New Document Delete Document Export to Excel

FirstName	LastName	StreetAddress
☐ EI	Blindo	Optik
☐ Hubert	Karamalz	Hopfer
☐ qww	qwqw	

Karsten Lehmann - Mail

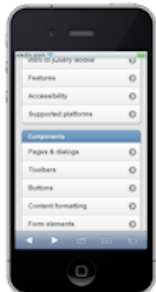
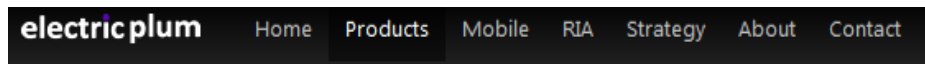
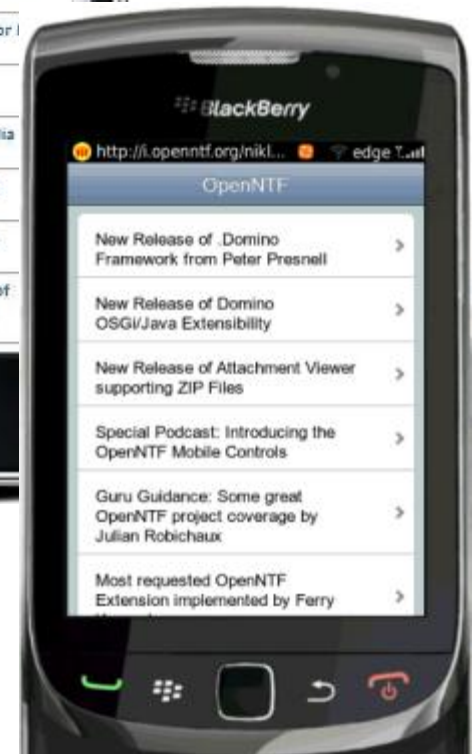
Kartsten Lehmann : XPages series #13: XPiNC app development tool:

<http://www.mindoo.de/web/blog.nsf/dx/02.02.2012162412KLEL3Q.htm?opendocument&comments#anc1>



Wo laufen meine XPages?

- Mobile Endgeräte
- iOS, Android, Blackberry ...
- Simulatoren



iOS Web Browser Simulator (FREE limited version)

Download Limited Free Trial Version (Windows)

Download Limited Free Trial Version (Mac)

- Full screen presentation mode.
- JavaScript Error Detection.



Wo laufen meine XPages?

■ Sidebar , Composite Application

- <http://xpages.info/XPagesHome.nsf/Entry.xsp?documentId=24552AD3D535EC18852578CB00669EF8> (Paul Hannan)

Demonstration Application for XPages in IBM Lotus Domino 851

Country: Full name: United States of America Population: 314.7 million (UN, 2009) Capital: Washington DC Largest city: New York City Area: 9.8 million sq km (3.8 million sq miles) Major language: English Major religion: Christianity Life expectancy: 77 years (men), 81 years (women) (UN) Monetary unit: 1 US dollar = 100 cents Main exports: Computers and electrical machinery, vehicles, chemical products, food and live animals, military equipment and aircraft GNI per capita: US \$47,580 (World Bank, 2008) Internet domain: .us International dialling code: +1

Demonstration Application for XPages in IBM Lotus Domino 851

City: Adelaide (pronounced /ˈædəleɪd/[3]) is the capital and most populous city of the Australian state of South Australia, and is the fifth-largest city in Australia, with a population of more than 1.1 million.[4] It is a coastal city situated on the eastern shores of Gulf St. Vincent, on the Adelaide Plains, north of the Fleurieu Peninsula, between the Gulf St. Vincent and the low-lying Mount Lofty Ranges. It is roughly 20 km (12 mi) from the coast to the foothills but sprawls 90 km (56 mi) from Gawler at its northern extent to Sellicks Beach in the south.

XPages on the Sidebar

Demonstration Application for XPages in IBM Lotus Domino 851

Previous 1 2 3 4 5 6 Next

City	Country
Adelaide	Australia
Ankara	Turkey
Bandung	Indonesia
Bangalore	India
Beijing (北京)	China
Berlin	Germany
Birmingham	United Kingdom
Bloemfontein	South Africa
Boston	United States of America
Brazil	Brazil

Sametime Contacts Feeds Day-At-A-Glance Activities

Office (Network)

Copyright IBM Corporation 2010. All rights reserved. App Version: V1.02 (851)



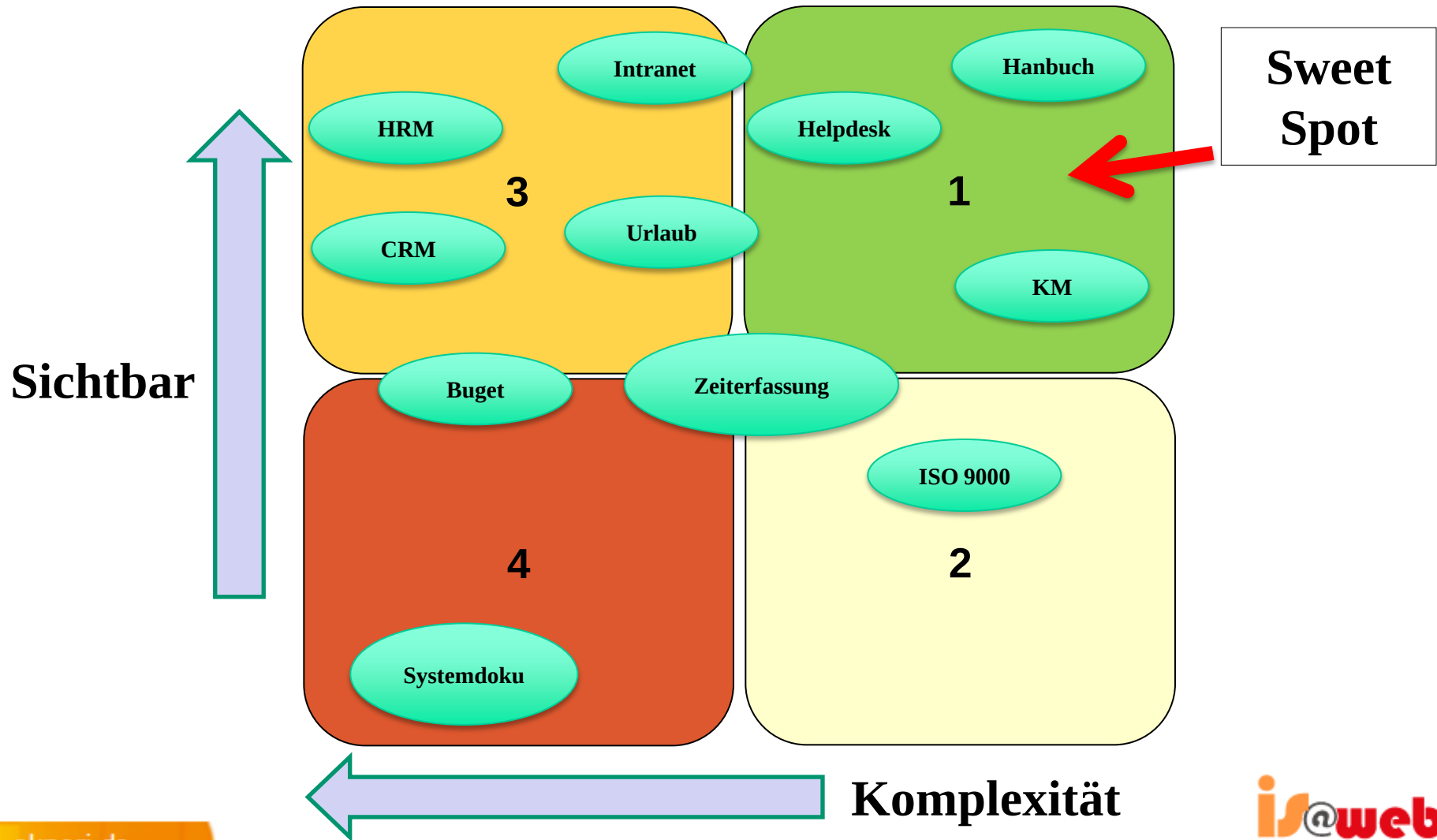
Wo laufen meine XPages?

- Wenn es unbedingt sein muss ...

```
<iframe frameborder="0" name="myxpage"  
        src=http://myserver/mydb.nsf/MyCoolPage.xsp>  
</iframe>
```



Applikationen nach XPages portieren?





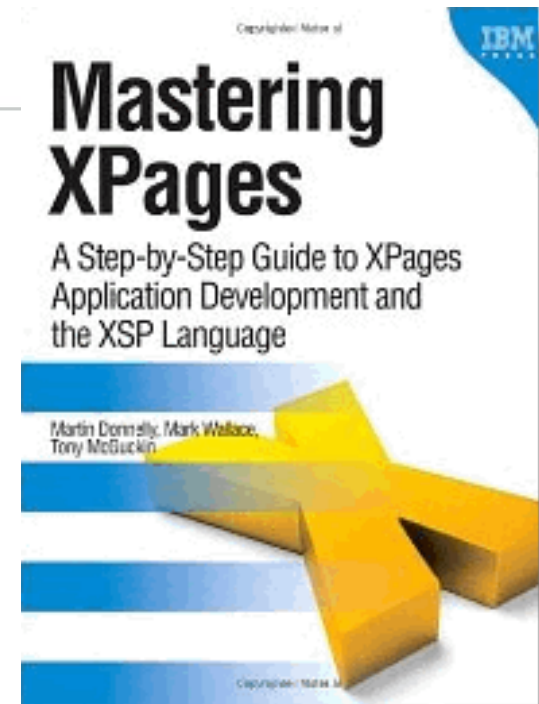
Applikationen nach XPages portieren?

- Eine Portierung bestehender Anwendungen macht keinen Sinn wenn ...
 - ... es dafür ein Standard Template gibt
 - ... die Funktionalität durch einen andere Technologie abgedeckt werden kann
 - IBM Connections oder IBM Quickr®
 - ... die Anwendung ausschließlich von Admins und Entwicklern benutzt wird
 - ... die Anwendung bereits eine funktionierende Web GUI besitzt
 - ...



Einstieg in XPages

- IBM
 - Mastering XPages – IBM Press
- Matt White
 - XPages 101 (<http://xpages101.net/>)
- David Leedy
 - XPages TV (<http://xpages.tv/>)
 - XPages Cheat Sheet (<http://xpagescheatsheet.com/>)
- Declan Lynch
 - Learning Xpages – Tutorial in 50 Kapiteln
 - <http://www.qtzar.com/blogs/qtzar.nsf/Document.xsp?documentId=A97DB47B9BEDB9868525756F005BC3C3&action=openDocument>
 - <http://www.eknori.de/downloads/LearningXPages.pdf>





WYGISWYS = What You Get Is Not What You See

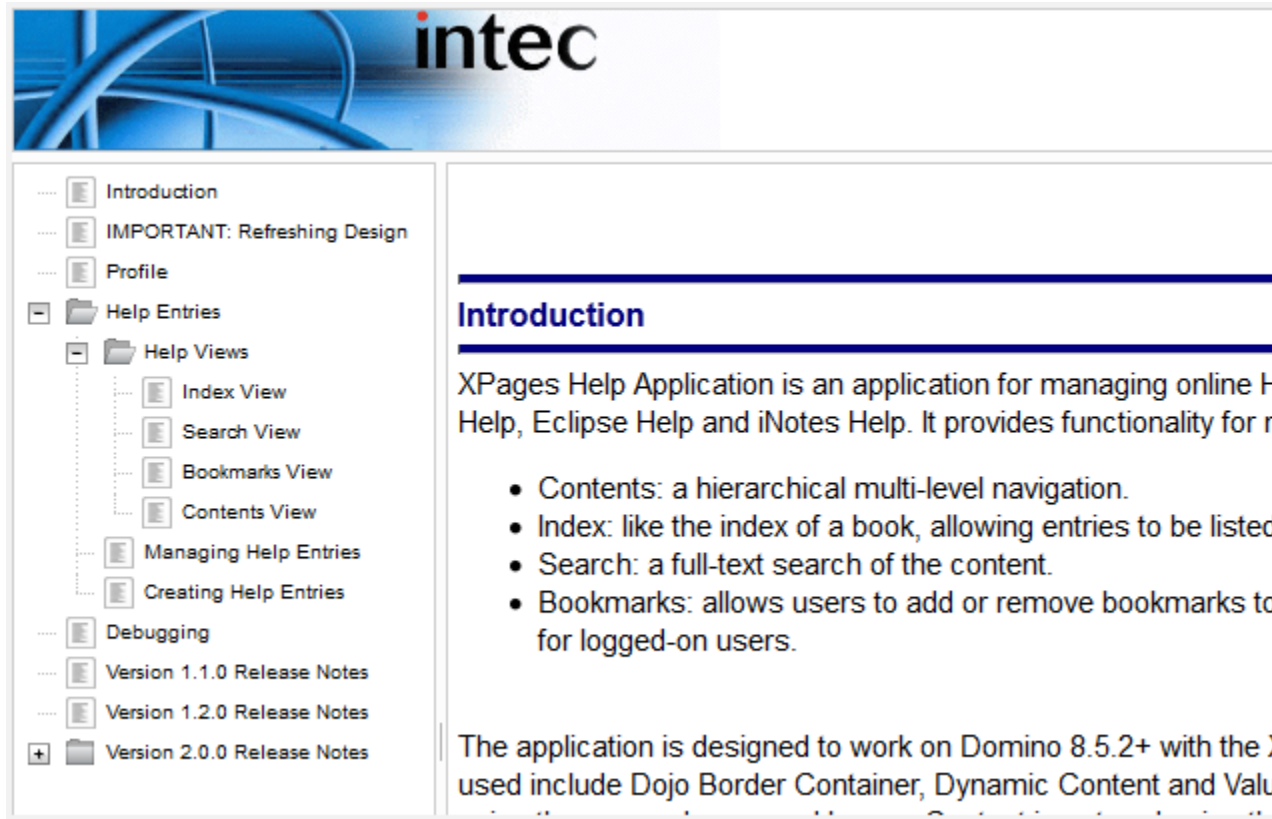
- Was im Designer so aussieht





WYGISWYS = What You Get Is Not What You See

- Sieht im Browser so aus ...



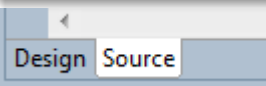
<http://www.openntf.org/internal/home.nsf/project.xsp?action=openDocument&name=XPages%20Help%20Application> OpenNTF XPages Help Application: Paul Withers



Unterschiedliche Sichten

Organization:	Organization	T
Organization type:	OrganizationType	T
Customer:	Customer_Name	T
Request Number:	RequestNumber	T
Phone Number:	Customer_Phone	T
Supporter:	SupportAuthor	T
Mailaddress:	Customer_Email	T
Date Created:	Date_Created	
Status:	Status	T
Severity:	Severity	T

```
<?xml version="1.0" encoding="UTF-8"?>
<xp:view xmlns:xp="http://www.ibm.com/xsp/core">
  <xp:table>
    <xp:tr>
      <xp:td>
        <xp:label value="Organization:"
          id="organization_Label1" for="organization1">
        </xp:label>
      </xp:td>
      <xp:td>
        <xp:inputText value="#{document1.Organization}"
          id="organization1">
        </xp:inputText>
      </xp:td>
    </xp:tr>
    <xp:tr>
      <xp:td>
        <xp:label value="Organization type:"
          id="organizationType_Label1" for="organizationType1">
        </xp:label>
      </xp:td>
      <xp:td>
        <xp:inputText value="#{document1.OrganizationType1}"
```





Demo – einfache Anwendung erstellen

■ CRUD

- Create
- Read
- Update
- Delete



■ David Leedy - The Great XPages Race

- <http://www.youtube.com/watch?v=P33nSNvSIVc&hd=1>



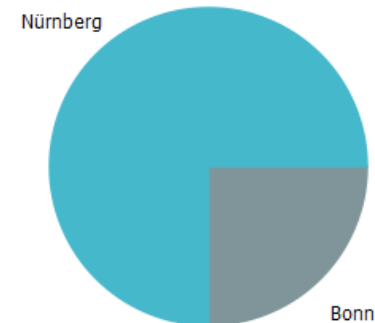
Das Endergebnis

DNUG Sample

Alle Dokumente
Nach Wohnort
Nach Wohnort + Chart

[New Document](#) [Delete Document](#) [Export to Excel](#)

Previous 1 Next				
City	FirstName	LastName	StreetAddress	ZIP
[-] Bonn				
	Hubert	Karamalz	Hopfenweg	53111
[-] Nürnberg				
	Ulrich	Krause	Am Zaunbusch 8	40822
	Werner	Motzet	Forchheimer Landstrasse 1	12345
	Willi	Winzig	Zuhause 23	12345





OpenNTF: XPages Extension Library

- Macht die Entwicklung von Web Anwendungen noch einfacher und schneller
- Integration in Domino Designer
- ~ 90 zusätzliche, kostenlose Custom Controls
- Open Source
- Eigene Erweiterungen durch Extensibility API
 - <http://www.openntf.org/projects/pmt.nsf/ProjectLookup/XPages%20Extension%20Library>
- **Mehr dazu morgen ...**

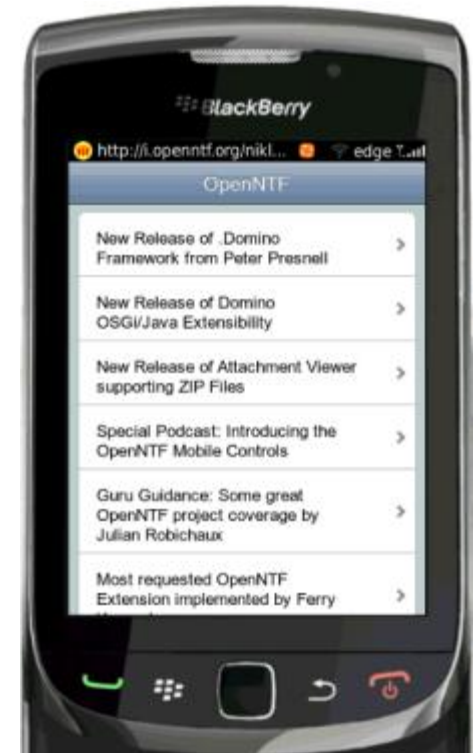
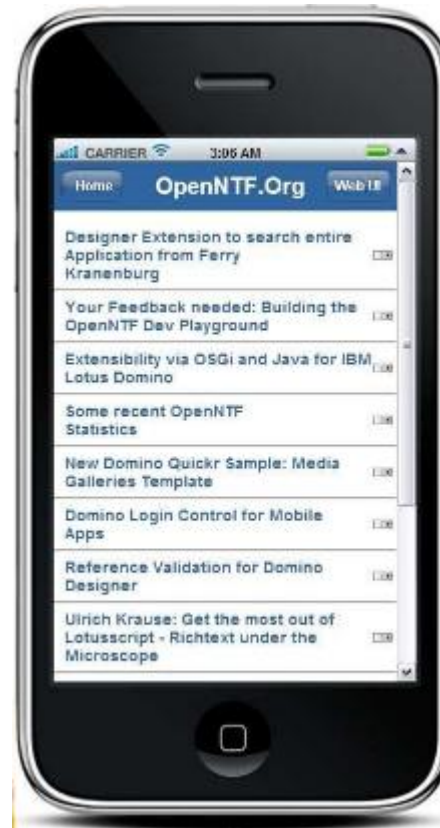
Extension Library

- Application Layout
- Dump Object
- Firebug Lite
- Keep Session Alive
- Dynamic View Panel
- InPlaceForm
- Dialog Button Bar
- Tooltip Dialog
- Dialog
- Tooltip
- TagCloud control
- REST Services
- Remote Services
- Switch
- Dynamic Content
- List of Links
- Sort Links
- Bread Crumbs
- Page Navigator
- Name Picker control
- Value Picker control



OpenNTF: XPages Mobile Controls

- Blackberry, iPhone, iPad, Android
 - <http://www.openntf.org/projects/pmt.nsf/627601b45e12fbf585256db8005b9d19/9fb2d243c90a0bb08625787100319633!OpenDocument>
- Custom Controls
- Dojo Mobile 1.5
- Offline
- iPad mit Dojo 1.6



Q + A

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- Twitter: [eknori](https://twitter.com/eknori)

