



Kieler Open Source und Linux Tage 2010

Open Source - auf - IBM Lotus Notes/Domino - auf - Open Source

Kiel, 1. Oktober 2010

Innovative Software-Lösungen.

www.assono.de



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Diplom-Mathematiker, Universität Hannover

seit 1997 entwickle ich mit Java und relationalen Datenbanken

seit 1999 mit Notes/Domino zu tun:
Entwicklung, Administration, Beratung und Schulungen

regelmäßiger Sprecher auf nationalen und internationalen Fachkonferenzen zu IBM Lotus Notes/Domino und Autor für THE VIEW (intern. Fachmagazin)



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assono
IT-Consulting & Solutions



Agenda

- IBM Lotus Notes und Domino
- Lotus Domino auf Linux
- Lotus Notes auf Linux
- Open Source auf Lotus Notes und Domino



Agenda

- IBM Lotus Notes und Domino
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IBM Lotus Notes und Domino

- Lotus Domino der Server
- Lotus Notes ist der Client
- Domino Designer ist die Entwicklungsumgebung –
seit Anfang 2009 Eclipse-basiert
seit Oktober 2010 kostenlos:
www.ibm.com/developerworks/downloads/ls/dominodesigner/learn.html
- Domino Administrator der Administrations-Client



IBM Lotus Notes und Domino (forts.)

- Domino Off-Line Services (DOLS) –
ähnlich wie Google Gears, nur ausgereift 
- Domino Access for Outlook (DAMO) –
mit Outlook-Client, aber Domino-Server arbeiten 
- Lotus Notes Traveler – kostenlose Ergänzung zum
Server für Synchronisation mit iPhone & iPad, Nokia,
WMD und demnächst Android
- Lotus Symphony – Textverarbeitung, Tabellen-
kalkulation, Präsentationen (z. B. diese hier)
 - im Notes-Client integriert
 - auch getrennt verfügbar – kostenlos



Agenda

- IBM Lotus Notes und Domino
- **Lotus Domino auf Linux**
- Lotus Notes auf Linux
- Open Source auf Lotus Notes und Domino



IBM Lotus Domino

- läuft unter verschiedenen Betriebssystemen
 - Windows,
 - AIX,
 - Solaris,
 - System i,
 - System z und
 - Linux 
- Domino-Server unter Linux hat vor Jahren den unter Windows in Performance und Skalierbarkeit überholt – zumindest für bestimmte Einsatzszenarien



IBM Lotus Domino unter Linux

- ab Version 6 okay
- ab Version 7 gut einsetzbar
- zwei unserer Domino-Server laufen seit ca. 5 Jahren unter Linux (Web-Server, Sametime-Server = IM)
- in der DMZ, ohne Störungen



IBM Lotus Domino unter Linux (forts.)

```
Lotus Domino (r) Server (Release 8.5.1FP4 for UNIX) 10.01.2010 09:18:31

Server name:          linux-testserver/assono-test
Domain name:         assono-test
Server directory:    /local/notesdata
Partition:          .local.notesdata
Elapsed time:       01:05:59
Transactions/minute: Last minute: 0; Last hour: 0; Peak: 0
Peak # of sessions: 0 at
Transactions:       0
ThreadPool Threads: 20 (TCPIP Port)
Availability Index: 100 (state: AVAILABLE)
Mail Tracking:      Not Enabled
Mail Journalling:   Not Enabled
Number of Mailboxes: 1
Pending mail: 0
Dead mail: 0
Waiting Tasks:     0
DAOS:              Not Enabled
Transactional Logging: Not Enabled
Fault Recovery:    Not Enabled
Activity Logging:  Not Enabled
Server Controller: Not Enabled
Diagnostic Directory: /local/notesdata/IBM_TECHNICAL_SUPPORT
Console Logging:   Enabled (1K)
Console Log File:  /local/notesdata/IBM_TECHNICAL_SUPPORT/console.log
DB2 Server:        Not Enabled
```



IBM Lotus Domino – ungewöhnliche Hardware

- noch in Version 6 hat Daniel Nashed den Domino-Server auf einer Microsoft Xbox installiert
- und dann mit einem AIX Regatta-Server von IBM geclustert:



- Details: www.nashcom.de/nshweb/pages/xbox.htm
- AdminCamp 2010: [Lotus Notes and Domino on Linux](#)



Agenda

- IBM Lotus Notes und Domino
- Lotus Domino auf Linux
- **Lotus Notes auf Linux**
- Open Source auf Lotus Notes und Domino



IBM Lotus Notes

- läuft unter mehreren Betriebssystemen
 - Windows,
 - Mac OS und
 - Linux 😊
- offiziell unterstützt:
 - SUSE Linux Enterprise Desktop
 - RedHat Enterprise Linux Desktop
 - Ubuntu Desktop
- „IBM-Speak“: „offiziell unterstützt“ heißt ausgiebig getestet und bei Problemen darf man IBM fragen
- läuft auch unter anderen Linux-Derivaten



Der Rest

- Domino Designer – Windows only
- Domino Administrator – keine Linux-Version, aber läuft mit Wine
- DOLS – Windows only
- DAMO – Windows only (naja, Outlook)
- Lotus Notes Traveler – seit ein paar Tagen gibt es die Linux-Version (Version 8.5.2)
- Lotus Symphony – Windows, Mac OS und Linux



Der „echte“ Linux-Standard-Client

The screenshot shows the IBM Lotus Notes client interface. The window title is "IBM Lotus Notes Tag auf einen Blick". The menu bar includes "Datei", "Bearbeiten", "Ansicht", "Erstellen", "Aktionen", "Werkzeuge", "Fenster", and "Hilfe". The toolbar contains various icons for file operations and navigation. The left sidebar shows the "assono" account and folders like "Inbox (1)", "Drafts", "Sent", "Follow Up", "All Documents", "Junk", "Trash", "Chat History", "Views", "Folders", "Archive", "Tools", and "Other Mail". The main pane displays an email from "assono" dated "01.10.2010 09:59" with the subject "Eine E-Mail zu de Kieler Open Sou...". The email body contains the text: "Heute bin ich auf den Kieler Open Source und Linux Tagen und spreche über 'Open Source - auf - IBM Lotus Notes/Domino - auf - Open Source'". The right sidebar shows a "Sametime-Konta..." section, a "Feeds" section, and a "Tag auf einen Blick" section for "Fr 01.10.2010" with a time slot "15:45 - 16:15" and a preview of the email. Below this is a calendar for "Heute 01.10.2010" showing the month of "Oktober 2010" with the 1st highlighted. The bottom status bar shows "Online" and a system tray with icons for "Befehlsfenster (Syste..." and "IBM Lotus Notes Tag a...".



Windows-Basic-Client & Wine

The screenshot shows a Linux desktop environment with a window titled "assono - Calendar - IBM Lotus Notes". The window displays a calendar for October 2010. The calendar is in a "Day" view, showing the dates from September 27th to October 3rd. A taskbar at the bottom of the window shows a notification: "You have new mail on linux-testserver/assono-test". The desktop environment includes a menu bar with "Anwendungen", "Orte", and "System", and a system tray with various icons. The window title bar also shows the "assono" logo and the date "Fr, 01. Okt, 10:07:56".



Windows-Admin-Client & Wine

The screenshot displays the IBM Domino Administrator interface within a Windows environment. The window title is "ASSONO-TEST Domain - linux-testserver/assono-test - IBM Domino Administrator". The interface includes a menu bar (File, Edit, Administration, Server, Help), a toolbar, and a main workspace. The left sidebar shows a tree view with categories like "Server Tasks", "Notes Users", "Database Users", "Internet Users", "Server Console", "Schedules", "Programs", "Agents", "Mail Routing", "Replication", and "DDM". The main workspace shows a table of server tasks for the server "linux-testserver/assono-test".

Task ID	Task Name	Activity	CPU Utilization
52	Port TCP/IP	Listen for connect requests on TCP/IP	
	Database Server	Perform console commands	
	Database Server	Load Monitor is idle	
	Database Server	Database Directory Manager Cache Refresher is i	
	Database Server	Organization Name Cache Refresher is idle	
	Database Server	Log Purge Task is idle	
	Database Server	Thread pool utility task on TCP/IP	
	Database Server	Remote live console task on TCP/IP	
	Database Server	Perform Database Cache maintenance	
	Database Server	Platform Stats is idle	
	Database Server	Shutdown Monitor	
	ISpy	Idle	0%
	Agent Manager	Executive '1': Idle	0%
	LDAP Server	Listen for connect requests on TCP Port:389	0%
	LDAP Server	Utility task	0%
	Router	Utility: Idle	0%
	Router	MailEvent: Idle	0%
	Router	Dispatch: Idle	0%
	Router	Dispatch: Idle	0%
	Router	Sweep: Idle	0%
	Router	Sweep: Idle	0%
	Router	Mailbox: Idle	0%
	POP3 Server	Listen for connect requests on TCP Port:110	0%
	POP3 Server	Utility task	0%
	IMAP Server	Listen for connect requests on TCP Port:143	0%
	IMAP Server	Utility task	0%
	RDEBUG Server	Listen for connect requests on TCP Port:60000	0%



Agenda

- IBM Lotus Notes und Domino
- Lotus Domino auf Linux
- Lotus Notes auf Linux
- **Open Source auf Lotus Notes und Domino**



Open Source – offene Quellen

- mit Lotus Notes und Domino werden viele Anwendungen mitgeliefert
 - Mail, Kalender, Aufgaben
 - Kontakte (Adressbuch)
 - persönliches Notizbuch
 - TeamRoom (Projekte)
 - Dokumentbibliothek
 - Diskussion
 - Domino-Blog
 - u.v.a.m.
- alle mit offener Gestaltung (= offenen „Quelltexten“)



Open Source von IBM

- einige mitgelieferte Anwendungen der IBM jetzt auch „richtige“ Open Source (Apache 2-Lizenz)
 - Mail (mit E-Mail, Kalender, Aufgaben)
 - Personal Address Book
 - TeamRoom
 - Notebook
 - Domino Blog
 - Doc Library
 - Widget Catalog
 - Eclipse Update Site



Open Source von IBM (forts.)

- auf OpenNTF.org (gleich mehr)
- abgeleitete Arbeiten
 - OpenNTF Mail Experience
 - Discussion Next Gen



OpenNTF.org – Open Source-Plattform und Community



- Projekte (> 400)
 - Anwendungen
 - Werkzeuge
 - Widgets
 - wiederverwendbare Komponenten & Controls
- Code-Beispiele (>1.000)
- Community:
 - OpenNTF Alliance
 - 17 Alliance Members
 - > 300 Contributors
 - > 65.000 Mitglieder
 - > 120.000 Downloads in 2009



OpenNTF.org – Web-Auftritt

- Web-Auftritt unter <http://OpenNTF.org>

The screenshot shows the OpenNTF.org website homepage. At the top right, it says "Thomas Bahn | My Account". The main header features the "OpenNTF.org" logo and a navigation menu with buttons for "Home", "Download", "Projects", "Blog", "Forums", "About", and "Get Involved". Below the header, there is a "Welcome to OpenNTF.org" section with a brief description of the site's purpose: "OpenNTF is devoted to enabling groups of individuals all over the world to collaborate on IBM Lotus Notes/Domino applications and release them as open source." It also mentions browsing catalogs for projects under Apache or GPL licenses. To the right of the welcome message is a "Explore OpenNTF" sidebar with links to "Projects Overview", "Projects Installation", "Help Wanted", "Featured Project of the Month", and "Follow OpenNTF". Below the welcome message is a "Featured Projects" section displaying four project thumbnails: "Source Sniffer", "XPages Wiki", "Discussion Next Gen", and "xTalk Discussion Forums". To the right of the featured projects is a "Project Updates" sidebar listing various updates like "Regular Expressions for LotusScript DominoDefrag" and "Organigramm".



OpenNTF.org – Mission Statement

- OpenNTF is devoted to ...
 - Enabling groups of individuals all over the world to collaborate on IBM Lotus Notes/Domino applications and release them as open source
 - Providing a web site for the community so that open source applications may be freely distributed, using widely accepted licensing terms
 - Increasing the quality and quantity of templates, applications and samples that can be shared by the community
- Lizenzen: Apache 2 und GPL
(alte Projekte ggf. abweichend)
- Interlectual Property (IP)-Check vor Veröffentlichung



OpenNTF.org – assono

- assono ist Member von OpenNTF.org (und Contributor)
- aktuell zwei Projekte:
 - assono Framework 2
[openntf.org/Projects/pmt.nsf/ProjectLookup/assono Framework 2](https://openntf.org/Projects/pmt.nsf/ProjectLookup/assono%20Framework%202)
 - assono Password-Safe
[openntf.org/Projects/pmt.nsf/ProjectLookup/assono Passwort-Safe](https://openntf.org/Projects/pmt.nsf/ProjectLookup/assono%20Passwort-Safe)



assono Password-Safe

- Passworte, Lizenzschlüssel, Zugangsdaten, Dateien sicher speichern und verwalten
- für Teams!
- starke Verschlüsselung
- online und offline nutzbar
- Informationen schnell finden:
 - Metadaten
 - mehrere, unterschiedlich sortierte Liste
 - Volltext-Suche
 - auch in angehängten Dateien



assono Password-Safe (forts.)

Schließen Speichern & Schließen Historie Hilfe

Eintrag

Allgemeine Angaben

Bezeichnung [assono] Fernzugriff]

Kategorien [Administration, Fernzugriff, Kunden] ▾

Schlagwörter [assono]]

Kategorien werden automatisch auch immer wie Schlagwörter verwendet. Sie brauchen deshalb die Kategorien nicht im Feld Schlagwörter wiederholen.

Eintrag ist benutzbar von Personen nur von mir Schlüssel-Gruppe bestimmte Personen

[Thomas Bahn/assono, Serial/assono, Serial/assono, Teil/assono, Teil/assono, Serial/assono, Teil/assono] ▾

Geheime Informationen

Name [assono]]

Passwort [assono]]

Dateien [assono]]

URL [http://...]

Bemerkungen [Check Point VPN-1 Client Site: ... Benutzer: ... Passwort: ... Bemerkung: Visitor-Mode deaktiviert Notes: Benutzer: ...]



TaskJam – Aufgaben-Management für Teams

Home | Elguji | IdeaJam | LinkJam | Logout

taskjam

All Tasks

Due Date Priority Date Created Completed

[Previous](#) [Next](#)

Allow save as draft on new ideas

This task needs to be completed by the team in a timely manner. It should reflect the full scope of the project goals. All are expected to participate.

Due Date Nov 29, 2008 Priority High Tags IdeaJam Features 1.5

Created By Matt White Shared With bruce.elgort@elguji.com, gayle.elgort@elguji.com, matthew white

[Complete](#) [Edit](#) [Delete](#)

Facility to delete a tag

Provide an easy way to remove a tag from the system.

Priority Medium Tags IdeaJam TaskJam LinkJam Features 1.5

Created By Matt White Shared With bruce.elgort@elguji.com

[Complete](#) [Edit](#) [Delete](#)

Filter tag cloud by IdeaSpace

Originally submitted by Bedo:

Priority Medium Tags IdeaJam Features 1.5

Created By Matt White Shared With bruce.elgort@elguji.com

[Complete](#) [Edit](#) [Delete](#)

Add a Task

Search... [Go!](#)

Tags

1.4 1.5 bugs Features

IdeaJam LinkJam not sure
TaskJam testing XPages

TaskJam is now available

This is the System Message

TaskJam was created by Matthew White and Bruce Elgort



XPages Wiki

Lotus Domino Thomas Bahn

XPages Wiki Search...

XPages Wiki Documentation

Home

- Getting Started
- Wiki Markup
- Headings and Table of Contents
- Source Code
- Tables
- Images
- Download Wiki Template
- Usage Log

Create new page...

All pages

- Alphabetical List
- Recently Added
- Recent Page Edits
- Pages Owned By Me

Categories

- Documentation (10)
- Features (1)
- Markup Examples (9)
- Release Notes (1)
- Sandbox (9)

Tag Cloud

Test markup table of contents GAGAGA headings mrkup example sandbox sss IBM Lotus Quickr Franklin

Subscribe to RSS

- Latest Pages
- Recently Revised
- Comments

Home > Welcome

Welcome

This wiki is for the XPages wiki documentation.
If you use this template either as a wiki or as an XPage education please let us know in our [Usage Log](#) (do not have to give name or company).

Please read the [Getting Started](#) document. Latest Release Notes - [Release 0.04](#)
It can also be used as a sandbox, please create new pages and categorise "Sandbox" rather than changing existing documentation.

Current Features

- Notes and Web based editing (using Notes/Web Rich text, HTML or wiki markup)
- Version history and control (Notes only so far for rollback)
- Wiki Markup (see [Wiki Markup](#))
- Automatic source code formatting (see [Source Code](#))
- Forward Linking (if links do not exist page is automatically generated)
- Automatic Table of Contents (see [Headings and Table of Contents](#))
- RSS Feeds for new content, changed content and comments
- Tags and tag cloud
- Categories (and ability to format each category page differently)
- Easy Sidebar Link management
- Discussion for each wiki page

Login using your openntf user credentials top right or use:
User: Fred Wiki Password: password



xTalk Discussion Forums

OPEN NTF

Anonymous | [Login](#)

xTalk - XPages Discussion Forums



	Forum	Last Post	Threads	Posts	
Testing Forum This Forum Area is Used For Testing All xTalk Features					
	Locked Forum This is a test of a Locked Forum		No Posts In This Forum	0	0
	Restricted New Topic Forum This Is An Example Of A Forum where only selected people can create new topics		No Posts In This Forum	0	0
	Restricted Reply Forum This Is An Example Of A Forum where only selected people can Reply to topics		No Posts In This Forum	0	0
	Restricted New Topic and Reply Forum This is an example of a forum where only selected people can create new topics and reply to them		No Posts In This Forum	0	0
Hidden Forum Category This forum category can only be seen by selected people and groups.					
	Standard Forum This Forum Area is Used For Testing All xTalk Features but Is Inside The hidden category		No Posts In This Forum	0	0

Powered By xTalk : An OpenNTF Project By Declan Lynch.



BilDr – Fotoverwaltung – Tagging, Suchen, Kommentare

Lotus software Sign in | What is BilDr? | Search | Home

BilDr OpenNTF

CATEGORIES

personal

TAGS

Australia[10] free time[10]
 holiday[10] sea[10] Sweden[10]
 travel[10]

IMAGES OF FEBRUARY, 2010

S	M	T	W	T	F	S
	01	02	03	04	05	06
07	08	09	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

ARCHIVE

February, 2010

RSS



Gallery



Pictures taking in my free time

10 number of images uploaded in the last month :: 10 number of total uploads

Latest contributions





Comments

LATEST RESPONSES

Archive

- February, 2010



WildFire – Widget für Status-Updates





!!HELP!! – Help Desk Ticket Tracking System

The screenshot displays the Assono Help Desk Ticket Tracking System interface. On the left is a navigation tree with categories like 'New Tickets', 'Active Tickets', 'New Todos', and 'Active Todos'. The main area shows a 'Bug Report' form with fields for Name (Thomas Schulte/AGS), Department (IT-Betrieb), Other User, Supporter (Tim Pistor), and Solution until (02:15). There are also radio buttons for 'Entered by' (Mail, Phone, User) and 'Priority' (low, normal, high). Below the form is a tabbed interface with 'Ticket', 'Actions', 'Info', 'System', 'ToDo', and 'History' tabs. The 'Info' tab is active, showing 'number of related documents 2' and a list of documents under the category '(Not Categorized)'. The documents are:

- Pistor, Tim**
 - 03.06.2008 11:36:13 Tim Pistor: Please order 2 GB DDR 3 Ram for Hardware upgrade
 - 03.06.2008 11:37:12 Tim Pistor: Please install the memory if the shipment arrives



DomainPatrol – Werkzeug für Administratoren

The screenshot shows the DomainPatrol software interface. The main window is titled "Databases" and contains a toolbar with buttons for "Open", "Database Tools", "Server Tools", "Filters", and "Logical Model". A context menu is open over a list of databases, showing various actions such as "Remove selected database(s)", "Set database options on selected database(s)", "Add ACL entry on selected database(s)", and "Create or modify index on selected database(s)".

The database list is as follows:

Database Name	File Name	Description	Template
DomainPatrol65	cache.ntf	Local Document Cache	N
DomainPatrol65	catalog.nsf	Catalog (6)	S
DomainPatrol65	catalog.ntf	Catalog (6)	S
DomainPatrol65	cca50.ntf	Domino Certificate Authority	S
DomainPatrol65	certlog.nsf	DomainPatrol's Certification StdNotesCertificationLog	S
DomainPatrol65	certlog.ntf	Certification Log	S
DomainPatrol65	certpub.ntf	Domino Certificate Publicati	S
DomainPatrol65	certreq.ntf	Certificate Requests (6)	S



Mehr Open Source für Lotus Notes und Domino...

- IBM developerWorks – Lotus Sandbox
- Community-Blogs und -Wikis
- Fachartikel (LDD, THE VIEW)
- Konferenzen
- IBM Business Partner (wie z. B. assono 😊)



Fragen?

jetzt stellen – oder später:

 tbahn@assono.de

 <http://www.assono.de/blog>

 04307/900-401



Folien unter:

www.assono.de/blog/d6plinks/OSLT2010-OS-auf-Lotus-Notes-Domino-auf-OS