



# T3S1 – IBM Notes goes Connections

Christoph Stöttner - Fritz & Macziol GmbH  
Klaus Bild – WebGate Consulting AG



# Agenda

- Installation & Konfiguration IBM Connections Plugins für IBM Notes
  - Managed Accounts
  - Policies
  - Single Sign On
- Connections Social Widgets in IBM Notes & iNotes
  - Voraussetzungen
  - Apache Shindig, OAuth
  - Embedded Experience in IBM Connections Mails
  - Activity Stream Integration
- Integration IBM Connections & IBM Docs Viewer in IBM iNotes
- Troubleshooting



# Wer sind wir?

## Klaus Bild

Senior System Architect

WebGate Consulting AG

IBM Notes / Domino seit

LearningSpace 2003

IBM Connections seit Beta1



## Christoph Stöttner



IBM Software Consultant

Fritz & Macziol GmbH

IBM Notes / Domino seit 1999

IBM Connections seit 2010

Ich mag: Linux, Scripting





# Infrastruktur

- **Connections Server:**
  - Version 5, Windows 2008 R2
  - cnxwin5.stoeps.local
- **Domino Mail & Shindig:**
  - Version 9.0.1FP2, Windows
  - Name: domino1/srv/stoeps
  - Host: domino1.stoeps.local
  - Alias: mail.stoeps.local



# Installation & Konfiguration IBM Connections Plugin in IBM Notes



# Connections Plugins für IBM Notes - Funktionen

- Files – Dateien
  - Upload Dateien
    - E-Mails
    - Attachments
  - Dateien freigeben
  - Link zu Datei einfügen
- Status Updates (Activity Stream)
  - Aktuelle Updates (Follow, Discover ...) lesen
  - Status posten
- Activities
  - Zugriff auf Activities (eigene und Community)
  - Mails zu Activities hinzufügen

The screenshot displays the IBM Notes interface with three sections highlighted by red circles:

- 1**: Files section search bar.
- 2**: Status Updates section search bar.
- 3**: Activities section search bar.

The Files section shows a list of files including "IBM Connections Troubleshooting.pptx", "Adm01- Tipps und Skripts aus dem Leben e", "Mail Next Is Domino Based.jpg", "45 cognos install.doc", and "45 forms integration.docx".

The Status Updates section shows a text input field for posting updates, with buttons for "Post", "Reset", and "Attach a File". Below it, a search bar and a list of updates are visible, including one from Thomas commenting on Marcel's message.

The Activities section shows a search bar and a list of activities, including "Due 45 days ago - Social Connections VI in Prag (16.6. - 17.6.)", "04. CiC Marketing & Vertrieb", and "03. Use Cases".

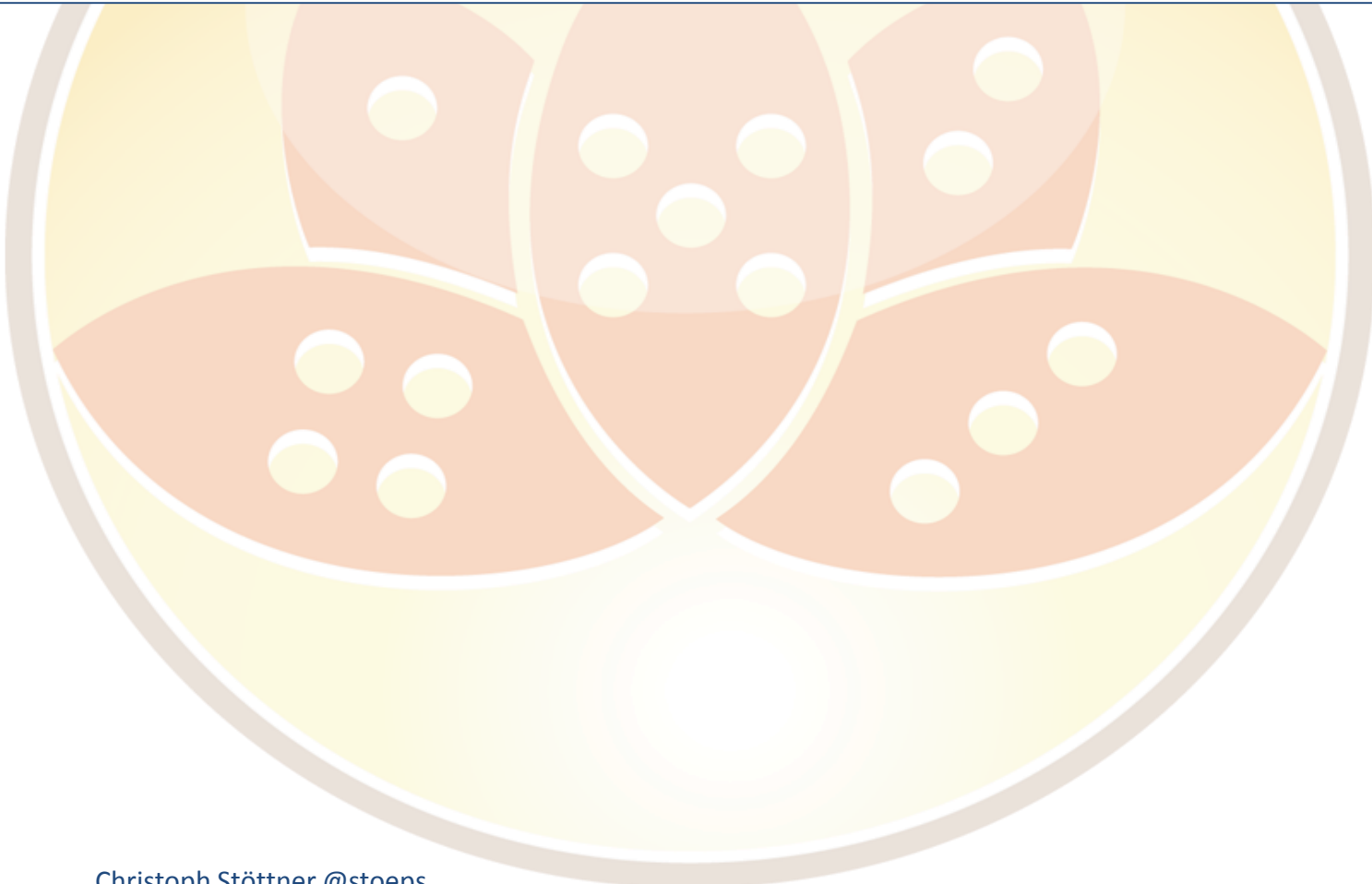


# Notes Plugin - Files

- Attachments aus Mails speichern



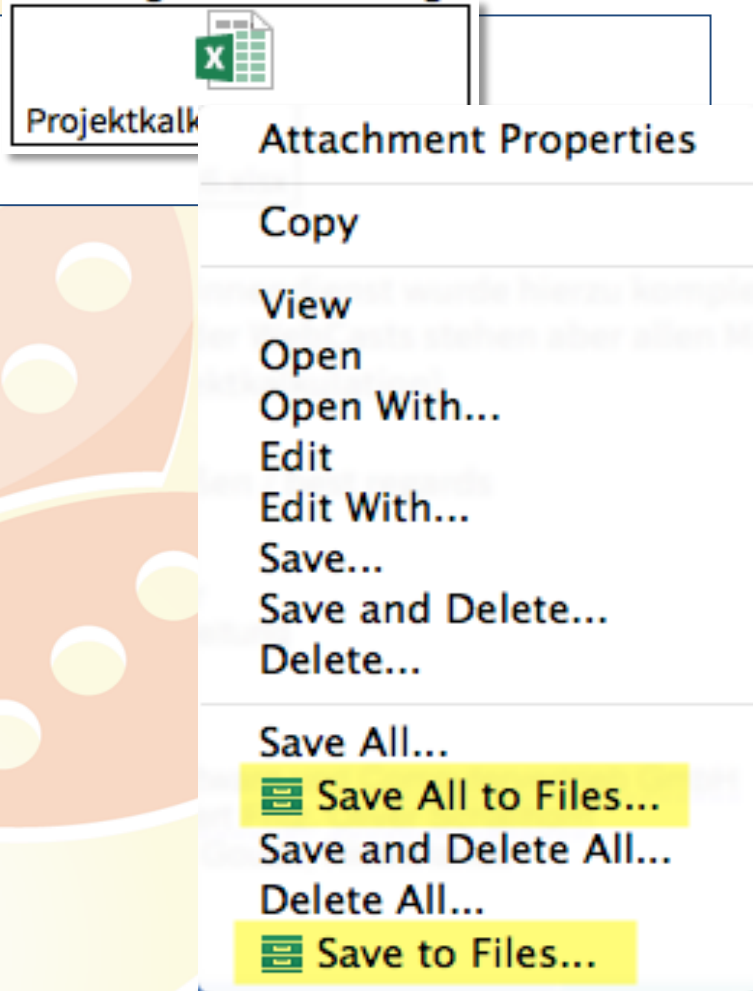
Projektkalkulation\_V16.xlsx





# Notes Plugin - Files

- Attachments aus Mails speichern

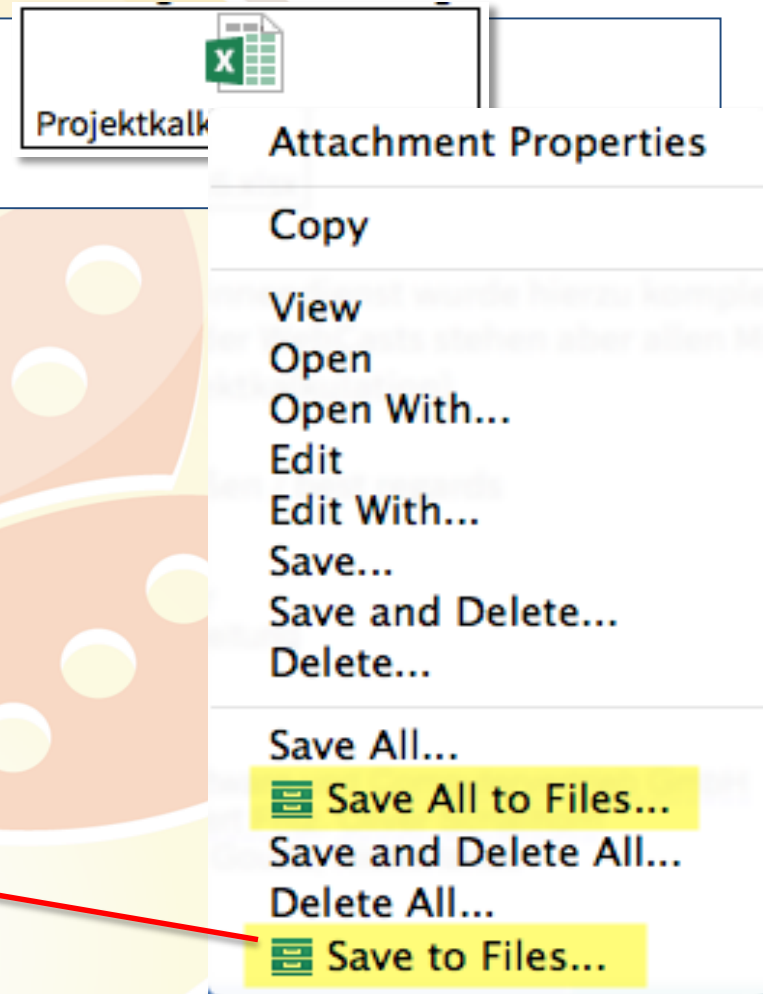
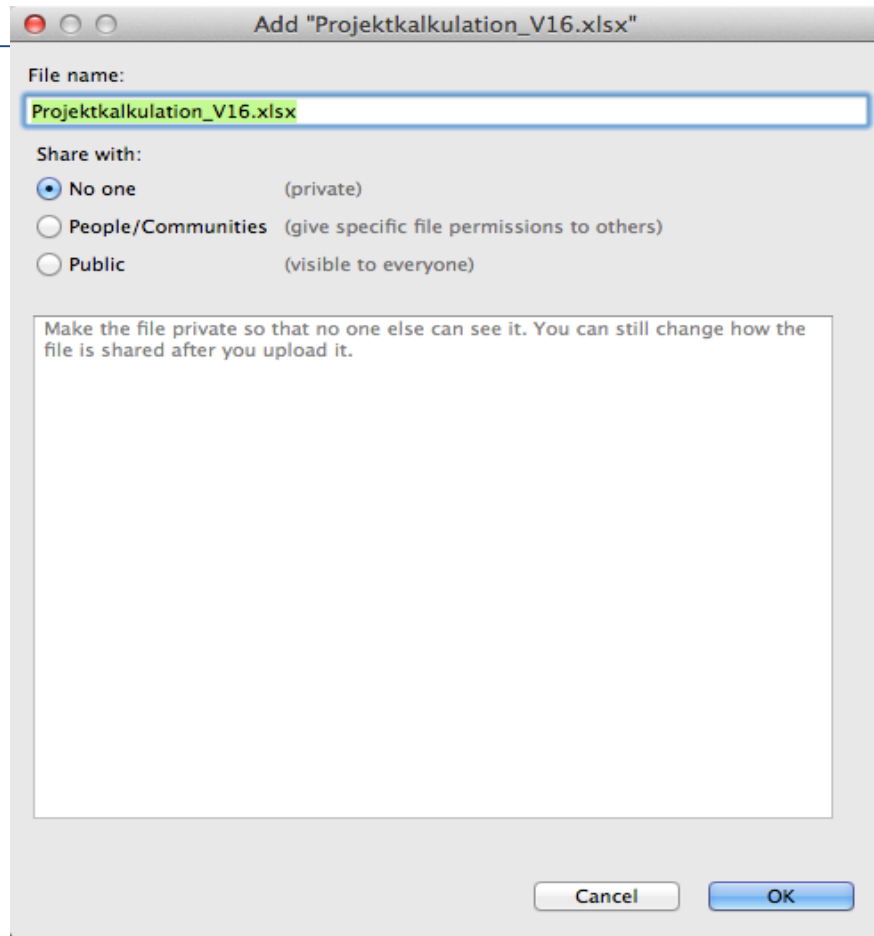






# Notes Plugin - Files

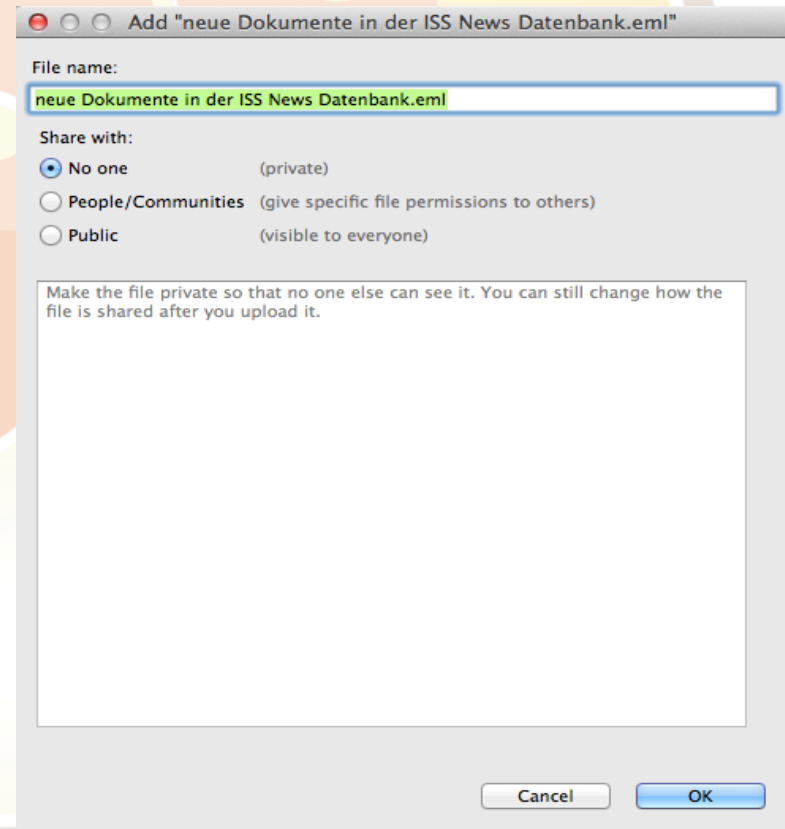
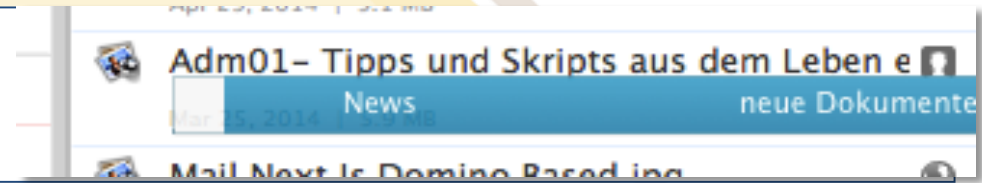
- Attachments aus Mails speichern





## Notes Plugin – Files (2)

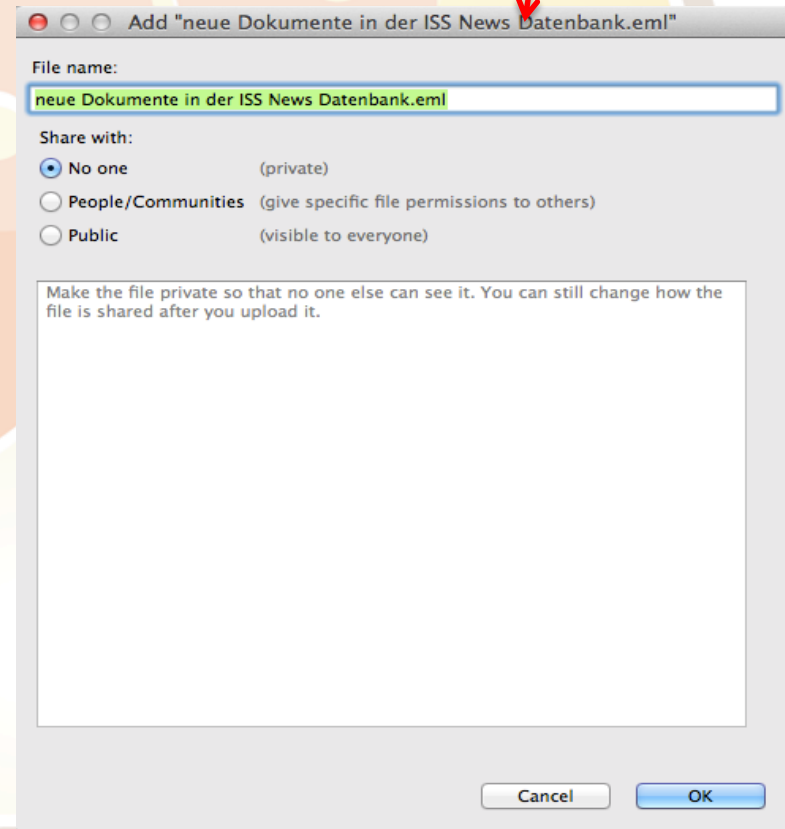
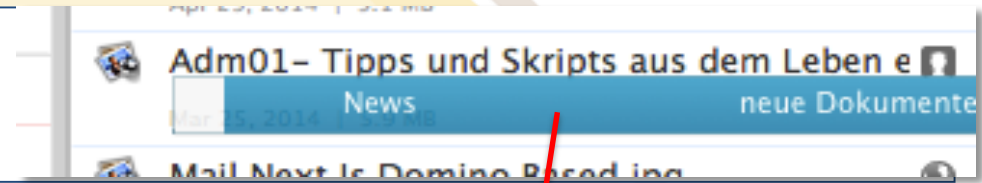
- E-Mails in Files speichern
  - Drag & Drop





## Notes Plugin – Files (2)

- E-Mails in Files speichern
  - Drag & Drop






## Notes Plugin – Files (3)

- Links zu Dateien verschicken
- Drag & Drop aus dem Files Widget in der Sidebar
- keine Überprüfung ob Empfänger Zugriff hat!

High importance  Return receipt  Sign  Encrypt  Mark Subject Confidential


 **To:**

**Cc:**

**Bcc:**



**Subject:**

---

 [IBM Connections Troubleshooting.pptx](#) | [View Details](#) 2

Mit freundlichen Grüßen / best regards

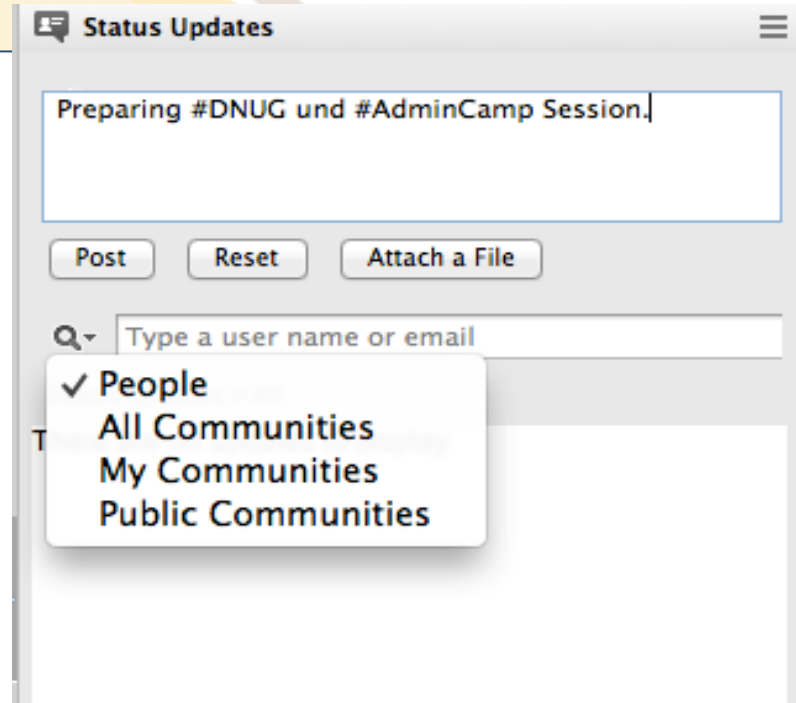
**Christoph Stöttner**

 Adm01- Tipps und Skripts aus  1  
Mar 25, 2014 | 5.9 MB



# Notes Plugin – Status Update

- Senden von Status Aktualisierungen an
  - Alle (die mir Folgen)
  - Alle Communities
  - Meine Communities
  - Öffentliche Communities
- Lesen von aktuellen Activity Stream Entries
  - I'm Following



# Notes Plugin – Status Update (2)

I'm Following  
Status Updates  
Discover

Recent communities

Connections Preferences...

Open in New Window

Hide Panel: Status Updates

Minimize to Titlebar

Minimize to Icon

Restore

Resize

Sidebar Panels

Sidebar

- ✓ All
- ✓ Activities
- ✓ Blogs
- ✓ **Bookmarks**
- ✓ Communities
- ✓ Files
- ✓ Forums
- ✓ People
- ✓ Status Updates
- ✓ Tags
- ✓ Wikis

right now?

- ✓ All
- ✓ Activities
- ✓ Blogs
- ✓ Bookmarks
- ✓ Communities
- ✓ Files
- ✓ Forums
- ✓ Profiles
- ✓ Status Updates
- ✓ Wikis

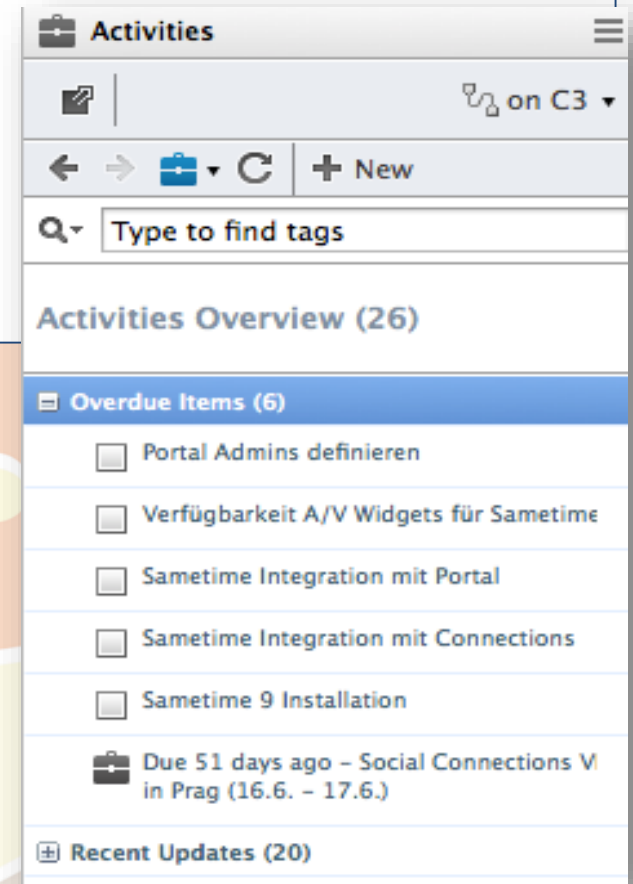
- ✓ All
- ✓ My Network and People I Follow
- ✓ My Network
- ✓ People I Follow
- ✓ My Updates
- ✓ Communities

ROUNDTABLE – Collaboration in Concert  
Connections Workspace  
FuM Collaboration und Social Business  
IBM Notes/Domino @FuMgroup  
FuM Lotus Team  
IBM Connections @FuMgroup  
Polycom  
Shoretel  
IBM Sametime @FuMgroup  
Infrastrukturdaten



# Notes Plugin – Activities

- Zugriff auf persönliche und Community Activities
  - Hinzufügen
  - Editieren
  - Abschliessen
- Drag & Drop von E-Mails möglich
  - Mail wird als EML gespeichert







# Activities im Kalender

- Zugriff auf persönliche ToDo's im eigenen Kalender

To Do: Testen des Servers

Due date: 04.11.14

Tags:

Section: ToDo's

Assign To: Klaus Bild <Klaus.Bild@webgate.biz>

Anyone (shared)  
Klaus Bild <Klaus.Bild@webgate.biz>

Arial

Calendar - Two Days - IBM Notes

File Edit View Create Actions Tools Window Help

Discover x Replication and Sync x Workspace x Klaus Bild - Calendar x Klaus Bild - Mail x

Klaus Bild

WGHub01

Today 29.09.2014

November 2014

M	D	M	D	F	S	S
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23

Views

Show Calendars

Add a Calendar...

- Klaus Bild
- ...

Group Calendars

Create Group Calendars...

3. November - 4. November 2014

03. Mo 11.2014 04. Di 11.2014

Aufsetzen des Servers Testen des Servers

7:00

8:00

9:00

10:00

11:00

12:00

13:00

14:00

15:00

16:00

Day 307 - 58 days left in the year

WG Cti Plugin

Sametime Contacts

Sametime Meetings

My Widgets

Files

Status Updates

Day-At-A-Glance

Organization View

Activities

on Intern

Type to find entries

AdminCamp (5)

Add Display More

Fw: Sitzplatzänderung / Buchungsnu...

Klaus Bild - Today 10:20

Gedys web.mobile geht nicht mit iOS 8.

Klaus Bild - Today 10:20

ToDo's

- Aufsetzen des Servers
- Klaus Bild - Today 10:21
- Testen des Servers
- Klaus Bild - Today 10:22

Broadcast Communities

Chat Rooms

WGC-Extern

Add a Calendar

Add

Add: Activities

Notes user's calendar

Add / Notes Teamroom calendar

Notes application calendar

\*Label: Google Calendar (TM)

iCalendar feed

Calendar: Activities

Set display options for the added calendar's entries: ?

Background: Text: Entry icon:

calendar gray

OK Cancel





# Installation des Notes Plugins

- UpdateSite
  - Empfohlene Installationsmethode von IBM
  - "The Art of Lotus Notes Deployment" - AdminCamp 2011 von Christian Henseler
    - NICHT Enterprise Style
    - Installation erfolgt in <data>\workspace\applications
      - o also für jeden Benutzer auf jedem Host
      - o Notes Restart notwendig
- Addon Installer
  - notes\_addon\_installer\_toolkit.zip entpacken
  - UpdateSite und MSI Komponenten hinzufügen
  - Details siehe "The Art of Lotus Notes Deployment"
- MSI Paket / Installshield Wizard
  - am Besten über Softwareverteilung



# Managed Accounts

- Zentrale Verwaltung von Benutzeraccounts für eclipse-basierte Features und Plug-ins
  - hauptsächlich für IBM Connections und IBM Sametime
  - funktioniert aber mit allen eclipse-basierten Plug-ins mit vordefinierten Einstellungen
  - in Notes / Domino 8.5.2 stark erweitert
  - Verteilung von Account Daten über Policies und deploy.nsf (Client Installation)
- Details:  
<http://www-01.ibm.com/support/docview.wss?uid=swg21424483>



# Managed Account für Connections

- IBM Domino Administrator
  - Add Account

Server: **domino1/srv/stoeps**  
Release 9.0.1HF195 on Linux 2.6.32-358.11.1.el6.x86\_64 #1 SMP Wed Jun 12

Domino Directories

- stoepsdom's Directory
  - People
  - Groups
  - Mail-In Databases and R
  - Policies
  - Settings
  - Accounts**
  - Certificates
  - Alt Language Info
  - Deny Access Groups

**Add Account** Add Cloud Account

**Search in View 'Policies\Accounts'**

Search for

Account Name	Description



# Managed Account für Connections (2)

## Account Connections

Basics | Advanced

**Basics** Allow edits to field by the end user

Account name:	<input type="text" value="Connections"/> <b>1</b>
Account description:	<input type="text" value="IBM Connections through Policy"/>
Account type:	<input type="text" value="Connections"/> ▾
Connections service URL:	<input type="text" value="http://cnxwin5.stoeps.local/profiles"/> <b>2</b>
Is primary Account:	<input checked="" type="checkbox"/> Yes <b>3</b>
Only from location(s):	<input type="text" value="*"/> ▾
Use Domino single sign-on if available:	<input type="text" value="Enabled"/> ▾ <b>4</b>
Domino single sign-on server:	<input type="text" value="domino1.stoeps.local"/>
Name of linked SAML account:	

---

### Connections Settings

Display name:	<input type="text" value="Connections"/> <b>5</b>	<input type="checkbox"/> Editable
---------------	---	-----------------------------------



# Managed Account für Connections (3)

**Account Connections**

Basics | **Advanced**

**Advanced**

Authentication URL: mail.stoeps.local **1**

Authentication Type: DOMINO-SSO **2**

Enforce SSL: No

Enforce trusted sites: No

Custom message text:

---

Add these name/value pairs to the Properties list:	Allow edits to fields listed:
hideinui=false primaryAccountName=Connections cnxEnabled=true useclustermates=true dominoresolveservername=false <b>3</b> version=1.0 dominosso=true PreferredUsernameField=FullName	hideinui primaryAccountName PreferredUsernameField



# Authentifizierung

- **DOMINO-SSO**
  - Voraussetzung ist ein Domino Server mit "Multi Server SSO"
  - LTPAToken vom Connections WebSphere importiert
  - Notes Client holt sich über API einen gültigen LTPAToken vom Domino Server, Plugin nutzt dieses Token für die Anmeldung
  - wenn Domino single sign-on server leer (siehe Slide 15 Nr. 4)
    - LTPAToken Request am Homeserver des jeweiligen Benutzers d.h. HTTP und MultiServer SSO muss aktiv sein
    - ansonsten der jeweils konfigurierte Server
- **OS-CRED (SPNEGO) nicht zu empfehlen**
  - krb5.ini muss verteilt werden
  - Notes Client wegen UAC zwingend als "Administrator ausführen"
  - s.a. <http://short.stoeps.de/os-cred>



# Policies

- Verteilung
  - Managed Account
    - Connections Server URL
    - Authentifizierungsmethode
- Desktop Settings – Accounts
  - Update Links
    - All supported
    - Selected supported -> weiterer Auswahldialog mit Account Namen
- Connections Settings für Policy unnötig!



# Desktop Settings

**Desktop Settings : DesktopSettingsEE**

Basics | Smart Upgrade | Applications | Widgets | Dial-up Connections | **Accounts** | Name

**Default Accounts to Internet Servers**

Don't set value  Inherit

**Account Names** Server A

**Administrative Account Defaults**

Overwrite pre-existing account document, if found in Contacts application  Don't s

Don't s

**Update Links** Remove All

▼ Account Links

[Connections](#)

[ConnectionsSSO](#)





# Desktop Settings

**Desktop Settings : DesktopSettingsEE**

Basics | Smart Upgrade | Applications | Widgets | Dial-up Connections | **Accounts** | Name

**Default Accounts to Internet Servers**

Don't set value  Inherit

**Account Names** Server A

**Administrative Account Defaults**

Overwrite pre-existing account document, if found in Contacts application  Don't s

Don't s

**Update Links**

▼ Account Links

[Connections](#)

[ConnectionsSSO](#)

**Accounts**

Select the accounts to push

- All supported
- Selected supported

OK Cancel



# Desktop Settings

**Desktop Settings : DesktopSettingsEE**

Basics | Smart Upgrade | Applications | Widgets | Dial-up Connections | **Accounts** | Name

**Default Accounts to Internet Servers**

Don't set value  Inherit

**Account Names** Server A

**Administrative Account Defaults**

Overwrite pre-existing account document, if found in Contacts application  Don't s

Don't s

**Update Links**

▼ Account Links

[Connections](#)

[ConnectionsSSO](#)

**Accounts**

Select the accounts to push

All supported  
Selected supported

OK  
Cancel



# SSL Certifier des IBM Connections Servers

- Export über Browser oder HTTP Server ikeyman
- Import im Domino Directory
  - IBM Domino Administrator Client
    - Security – Certificates
    - Actions: Import Internet Certificates

## Actions

Apply Delegation to All Selected Entries  
Edit Directory Profile  
Edit Administration ECL  
Set Secure Internet Password  
Add Admin Roles to Access Control List  
Remove Directory Profile  
UpdateAutoDialerSchedule

Export Certificates to Deploy Database  
**Import Internet Certificates**

Edit Document  
Send Document  
Forward  
Move To Folder...  
Remove From Folder

View Options ▶  
Preview in Web Browser ▶

Open selected document(s) in scanEZ...



# SSL Certifier des IBM Connections Servers

- Export über Browser oder HTTP Server ikeyman
- Import im Domino Directory
  - IBM Domino Administrator Client
    - Security – Certificates
    - Actions: Import Internet Certificates

Actions

- Apply Delegation to All Selected Entries
- Edit Directory Profile
- Edit Administration ECL
- Set Secure Internet Password
- Add Admin Roles to Access Control List
- Remove Directory Profile
- UpdateAutoDialerSchedule

---

- Export Certificates to Deploy Database
- Import Internet Certificates**

**Domino Directory**

+ Add Certifier   
 ✎ Edit Certifier   
 ✖ Delete Certifier

Issued By	Issued To
<ul style="list-style-type: none"> <li>Internet Certifiers               <ul style="list-style-type: none"> <li>cnxwin5.stoeeps.local                   <ul style="list-style-type: none"> <li>cnxwin5.stoeeps.local</li> <li><b>cnxwin5.stoeeps.local/</b></li> </ul> </li> <li>DE                   <ul style="list-style-type: none"> <li>Stoeeps Inc.</li> <li>mail.stoeeps.local</li> </ul> </li> </ul> </li> </ul>	



# Security Policy

- Verteilung des Internet Certifiers

**Security Settings : IDV\_StoepsVaultSetting**

Basics | Password Management | Execution Control List | **Keys and Certificates** | Signed Plug-ins | Ports

**Administrative Trust Defaults**

Copy all Trust Defaults without checking for relevance to Notes user

**Update Links** Remove All

▼ Certificate Links

[/srv/stoeps](#)

[/technical/stoeps](#)

[/users/stoeps](#)

[/stoeps](#)

[First Admin/users/stoeps:CN=cnxwin5.stoeps.local](#)

[O=stoeps:CN=mail.stoeps.local/O=Stoeps Inc./L=Rosenheim/ST=Bavaria/C=DE](#)

**[cnxwin5.stoeps.local/](#)**

[cnxwin5.stoeps.local/Root Certificate/cnxwin5Cell01/cnxwin5CellManager01/IB...](#)

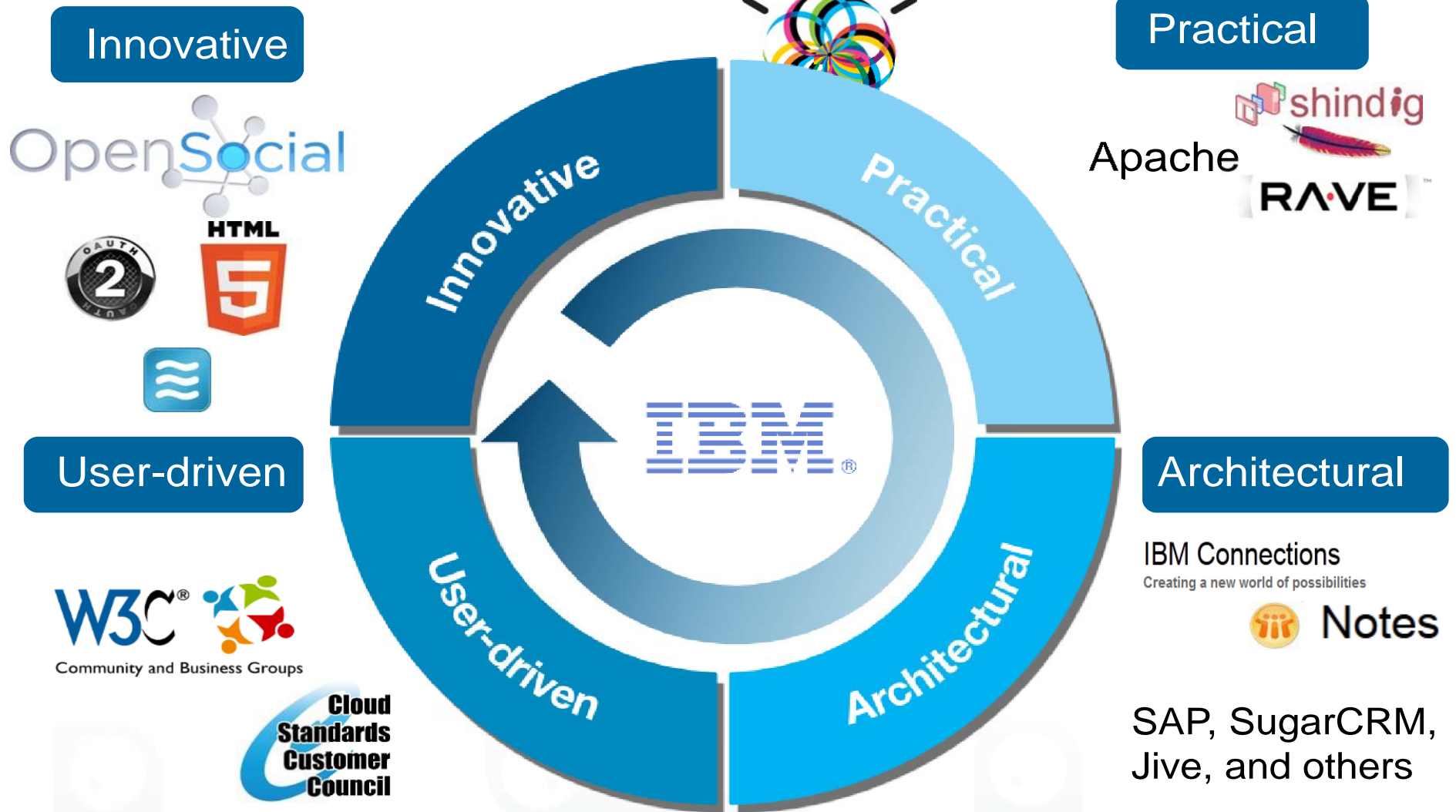




# IBM Connections Social Widgets in IBM Notes / iNotes



# A practical approach to standards



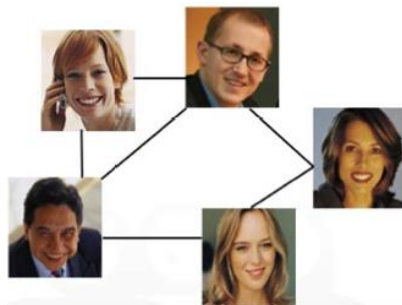




# Terminologie

- **OpenSocial**

- Offener Standard der die grundlegenden APIs definiert, um Social Applications zu erstellen (HTML, JavaScript und CSS)
- Spezifikation beinhaltet JavaScript und REST APIs Viele Unterstützer: IBM, SAP, Adobe, Jive, LiveRay ...
- Kompatibilität über Anbietergrenzen hinaus
  - Nahtlose Verknüpfung von Inhalten
- Unterstützt führende Standards
  - Activity Streams (<http://activitystrea.ms>)
  - Oauth (<http://oauth.net/2/>)
- <http://opensocial.org>



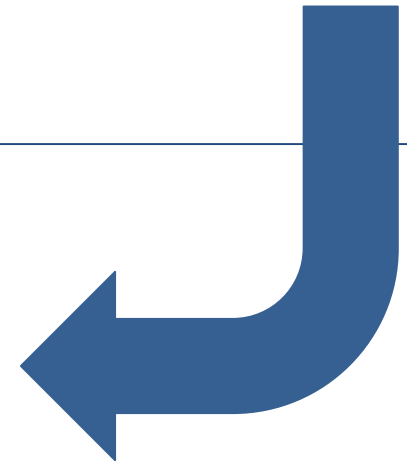
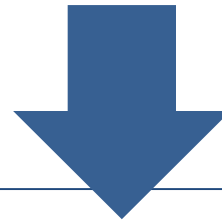
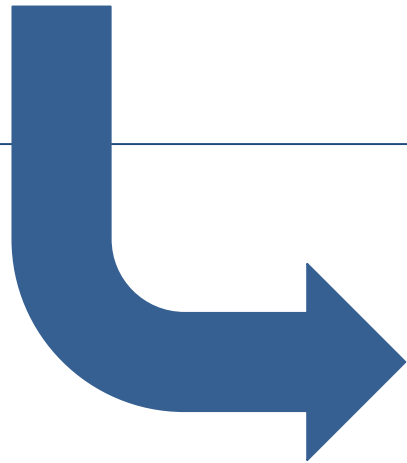
opensocial



# OpenSocial im IBM Portfolio

Activity Stream

HTML5



OpenSocial



IBM Notes & Domino 9 Social Edition

IBM Connections & Connections Mail



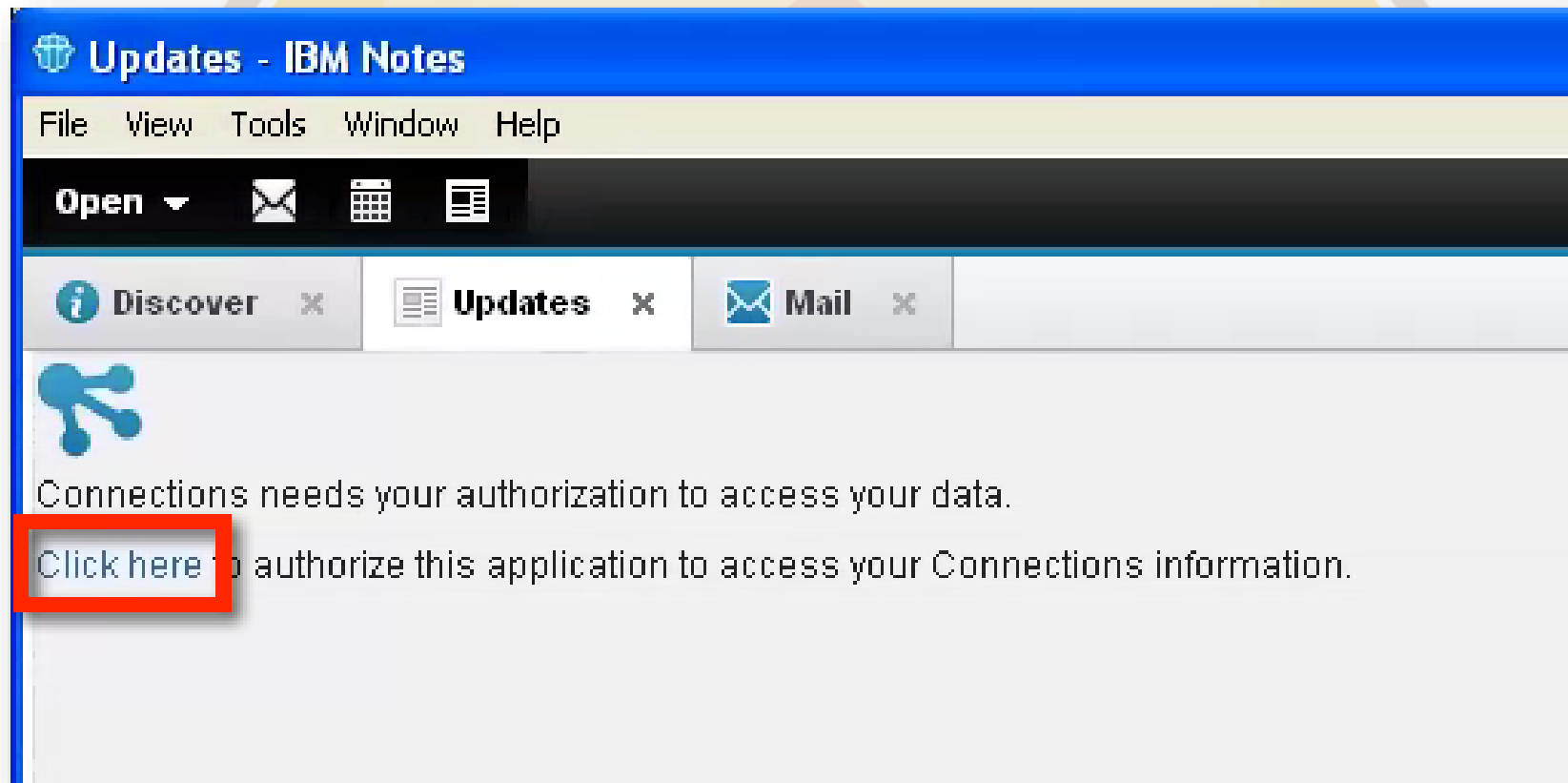
# OAuth

- Geschichte
  - Entstand bei der Entwicklung von OpenID durch Twitter
  - später vorangetrieben durch Google
- OpenSocial benutzt OAuth für geschützte API Aufrufe
  - Support für OAuth 1.0a und 2.0
- OAuth steht für OPEN AUTHORIZATION nicht OPEN AUTHENTICATION
  - Authentifizierungstechnologien werden bei der Authorisierung genutzt
- Benutzer erlauben über OAuth Anwendungen den Zugriff auf ihre Daten, die von einer anderen Anwendung verwaltet werden
  - Google OpenID





# Authorization durch Benutzer





# Authorization durch Benutzer

Welcome to IBM Connections

User name:

Password:

**Log In**



# Authorization durch Benutzer

## Access Request

**Notes OpenSocial** is requesting access to your IBM Connections information, including all of your content in Connections.

You can revoke access at any time through Connections Settings > [Application Access](#). Connections may periodically ask you to re-authorize.



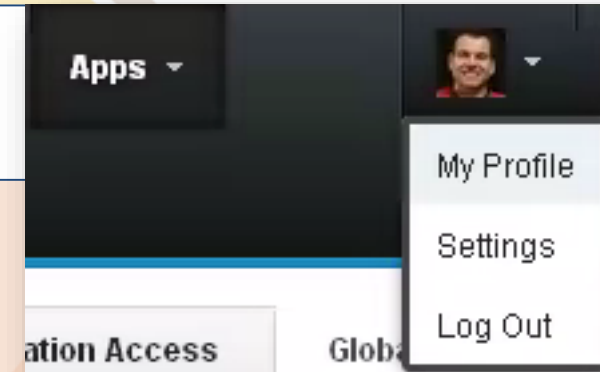
Grant Access

Deny Access



# Applikationsberechtigung zurückziehen

- Settings in IBM Connections
  - Benutzer können selbst den Zugriff wieder deaktivieren



Email Notifications

Application Access

Globalization

## Application Access

Applications with access to your IBM Connections information.

Application Name	Authorization Date	Expiration Date	Action
Notes OpenSocial	Today 8:38 AM	Mar 21, 2015	<a href="#">Revoke</a>
Notes OpenSocial Plain	Today 8:59 AM	Mar 21, 2015	<a href="#">Revoke</a>



# Activity Stream

- Offener Standard, RFC 4287
- Implementierungen:
  - BBC, [Gnip](#), [Google Buzz](#) [Gowalla](#), [IBM](#), [MySpace](#), [Opera](#), [Socialcast](#), [Superfeedr](#), [TypePad](#), [Windows Live](#), [YIID](#)
  - Facebook, Status.net
  - IBM Connections
- Datenmodell zur Anzeige von Streams oder Listen von Aktionen die von Benutzern oder Anwendungen generiert werden
- Activity Streams schaffen einen zentralen Zugangspunkt für Unternehmensinformationen
- Inhalte werden dynamisch nachgeladen und erlauben eine Interaktion direkt im Kontext



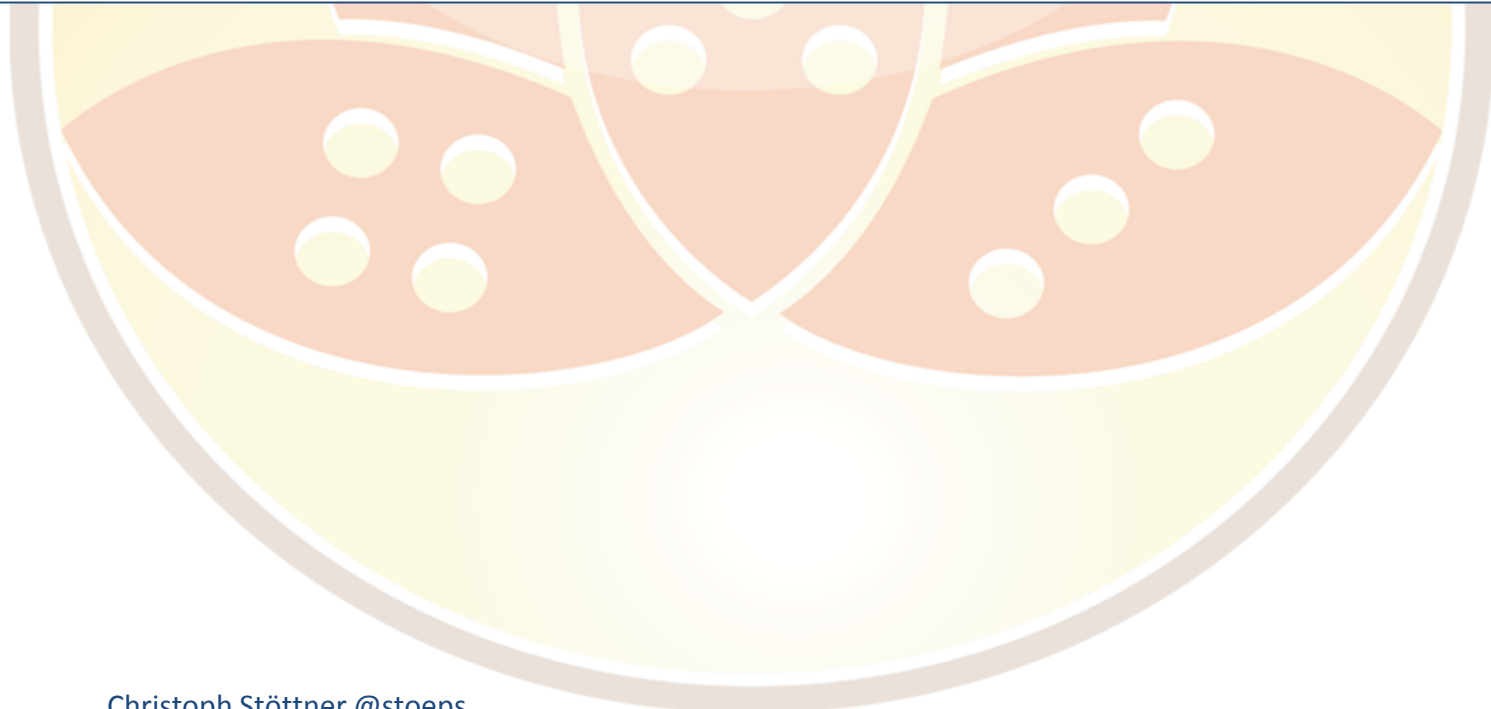
*Activity Streams*





# Embedded Experience

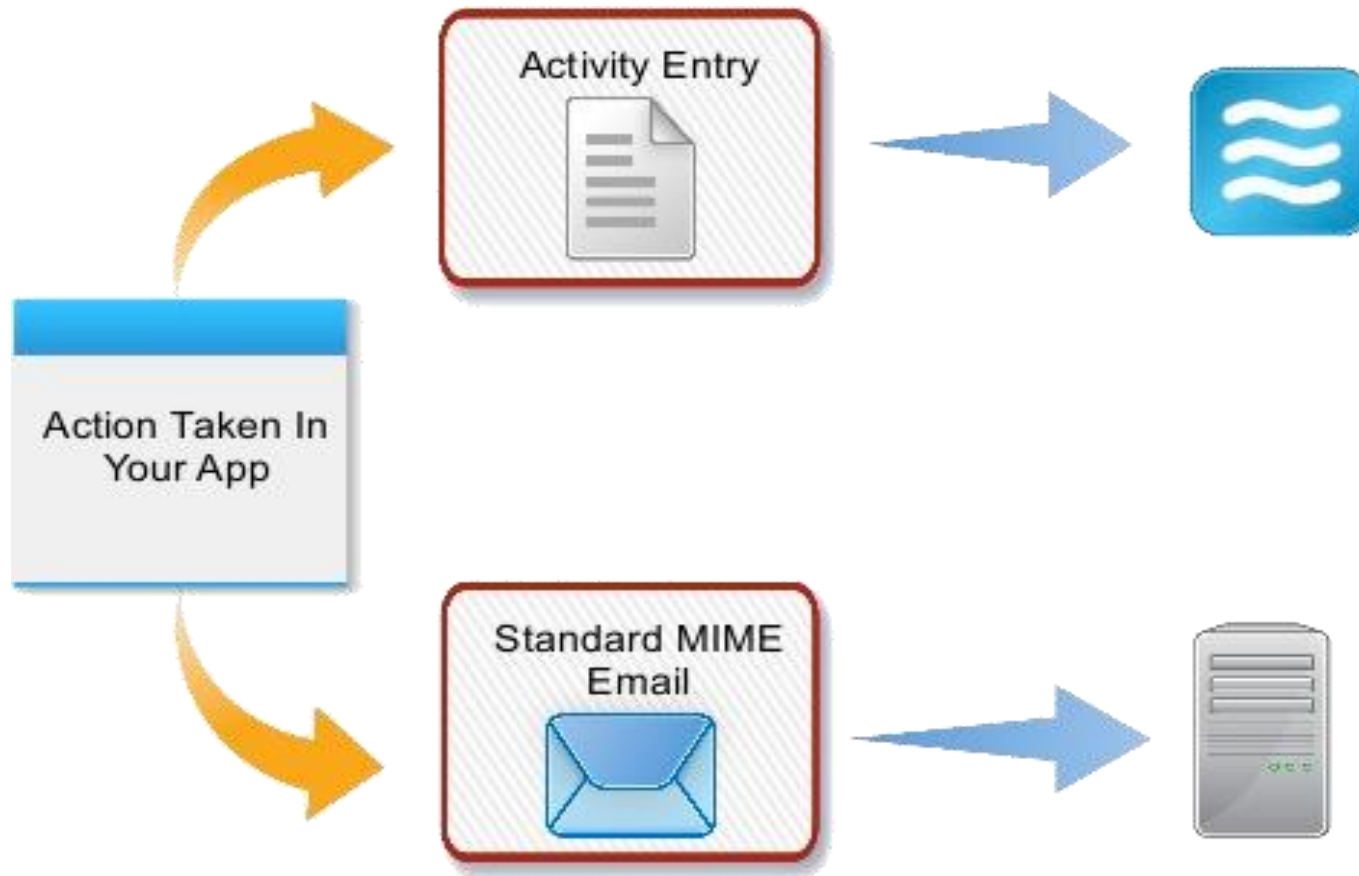
- Methode um die Funktion und Ergebnis einer Application in einer Anderen einzubetten (Host Application)
- Für den Benutzer sieht es so aus, als wenn diese 3rd Party Application direkt aus dem Anwendungskontext benutzt wird





# Embedded Experience

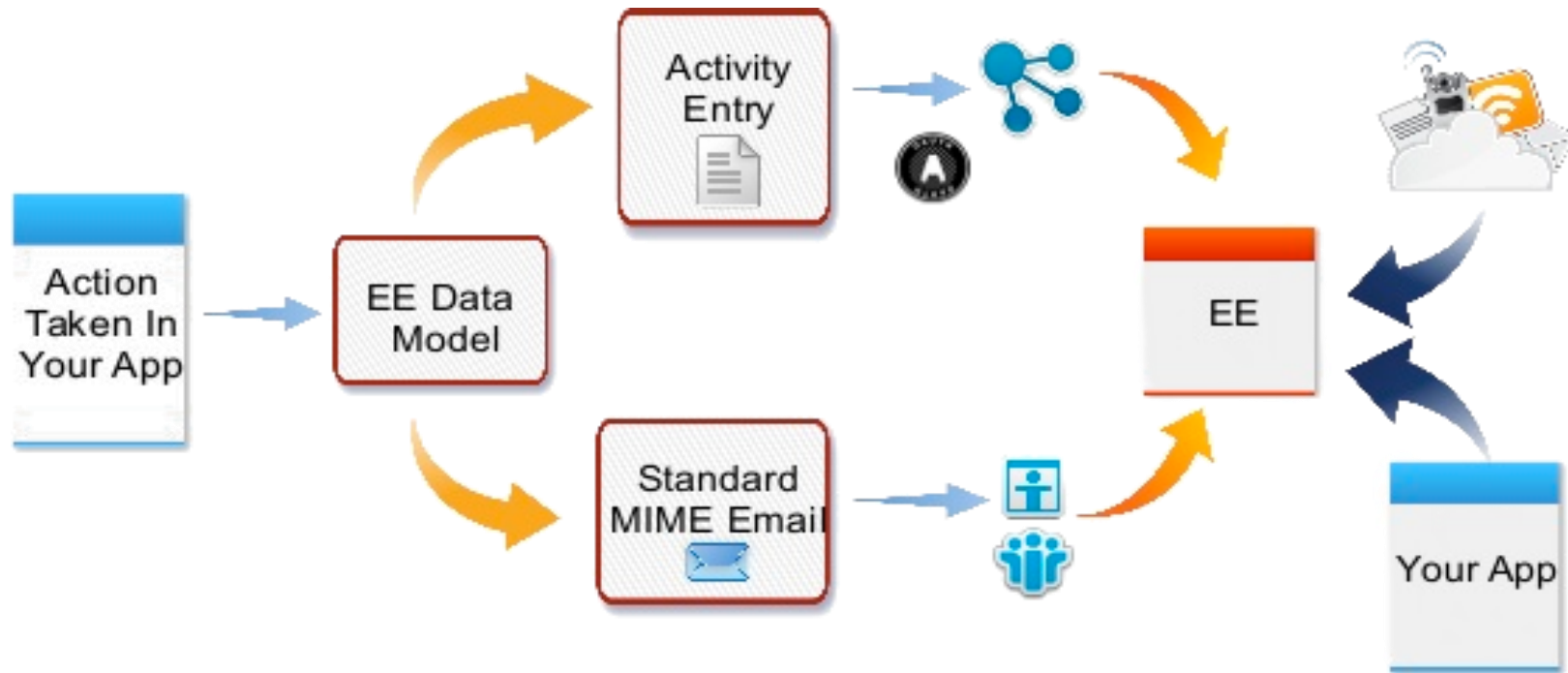
- Benachrichtigung heute





## Embedded Experience (2)

- Benachrichtigung mit Embedded Experience
  - Benachrichtigung soll interaktiver und informativer sein
  - Im Activity Stream und Mail unterstützt





- Apache Shindig
  - OpenSocial Container
  - Referenzimplementierung der OpenSocial Spezifizierung
  - <http://shindig.apache.org>
- Domino Server mit Shindig
  - IBM Domino mit installierter OpenSocial Komponente
  - Enthält Teile des Apache Shindig Projekts als Webapplikation auf Basis von OSGi (Spec für modulare Services Bundles)
- DOTS
  - Domino OSGi Tasklet Service
  - Servertask der OSGi Plugins Rechenzeit und Ressourcen zur Verfügung zu stellen
  - Widgets Framework in iNotes benutzt DOTS um Widgets per Policy iNotes Benutzern zuzuordnen



# Terminologie

- **Widget Katalog**
  - speichert die Metadaten für Plugins die von Notes oder iNotes benutzt werden
- **Credential Store**
  - Notes Datenbank speichert
    - Proxy Regeln
    - Ressourcen für Gadgets
    - OAuth Informationen
  - Domino Server mit Shindig



# Voraussetzung

- IBM Domino 9 mit Social Component
  - Validierung: `tell http osgi ss com.ibm.fiesta`

```
[04990:00063-600819456] 09/19/2014 04:22:13 PM Remote console command issued by First Admin/users/stoeps: te http osgi ss com.ibm.fiesta
[06803:00002-1401755424] 09/19/2014 04:22:14 PM Framework is launched.
[06803:00002-1401755424] 09/19/2014 04:22:14 PM id State Bundle
[06803:00002-1401755424] 09/19/2014 04:22:14 PM 13 RESOLVED com.ibm.fiesta.common_9.0.1.20131022-1058
[06803:00002-1401755424] 09/19/2014 04:22:14 PM 16 ACTIVE com.ibm.fiesta.libs_9.0.1.20131022-1058
[06803:00002-1401755424] 09/19/2014 04:22:14 PM 26 ACTIVE com.ibm.fiesta.inotes_9.0.1.20131022-1058
```



## Voraussetzung (2)

- IBM Notes 9 Social Edition
  - Help – About IBM Notes



## Voraussetzung (2)

- IBM Notes 9 Social Edition
  - Help – About IBM Notes







# Voraussetzung (2)

- IBM Notes 9 Social Edition
  - Help – About IBM Notes

**About IBM Notes**

IBM Notes 9  
Social Edition

Release 9.0.1  
Revision 20131022.1138 (Release 9.0.1)  
Standard Configuration  
L-GHUS-968PRV

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This product is Built on Eclipse™ ( <http://www.eclip>

Feature Details   Plug-in Details   Configuration Details   **Component Details**   OK

Component ID	Version	Install State
PIM.Core	9.0.20131022-1138	install
Search	9.0.20131022-1138	install
Activities	9.0.20131022-1138	uninstall
Sametime	9.0.20131022-1138	install
SametimeUI	9.0.20131022-1138	ignore
sametime.advanced	9.0.20131022-1138	install
Hotfix	9.0.20131022-1138	install
Editors	9.0.20131022-1138	install
CAE	9.0.20131022-1138	install
Feedreader	9.0.20131022-1138	install
Toolbox	9.0.20131022-1138	install
Roaming	9.0.20131022-1138	install
<b>OpenSocial</b>	<b>9.0.20131022-1138</b>	<b>install</b>
IBM Connections Plug-ins F...		install
ExtLibAddOn		install
com.ibm.domino.das.feature		install
org.apache.wink.feature		install

OK



# Funktion der Widgets

## • Updates

- SSO Zugriff auf ActivityStream
- Aktives Embedded experience
- direktes Kommentieren, empfehlen, herunterladen etc.

## • Connections EE

- Lädt dynamisch Inhalte in E-Mails
- Anzeige aktueller Informationen
  - auch von nach dem E-Mail Versand
- Arbeiten mit Inhalten
  - Download, Kommentieren, Empfehlen

- Stärke Integration in IBM Notes als die Plugins
- Dynamisches Nachladen von Connections Inhalten



## Exportieren der Widgets

- wsadmin im Dmgr-Profil starten
  - cd d:\IBM\WebSphere\AppServer\profiles\Dmgr01\bin
  - mkdir d:\temp\ee
  - mkdir d:\temp\ee2
  - wsadmin.bat -lang jython -username wasadmin -password password
    - `execfile("gadgetAdmin.py")`
    - `NotesRegistrar.registerGadgets("NotesOSC", "Notes OpenSocial Component", "https://mail.stoeps.local/fiesta/gadgets/oauth2callback", "d:\temp\ee")`
    - `NotesRegistrar.registerGadgets("NotesOSCSSL", "Notes OpenSocial Component SSL", "https://mail.stoeps.local/fiesta/gadgets/oauth2callback", "d:\temp\ee2", "true")`
- Dateien aus d:\temp\ee bzw. ee2 zum IBM Notes Client kopieren



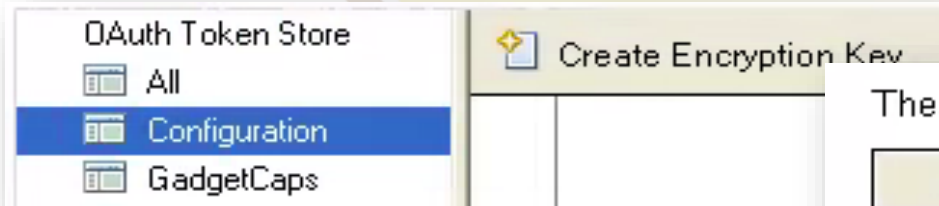
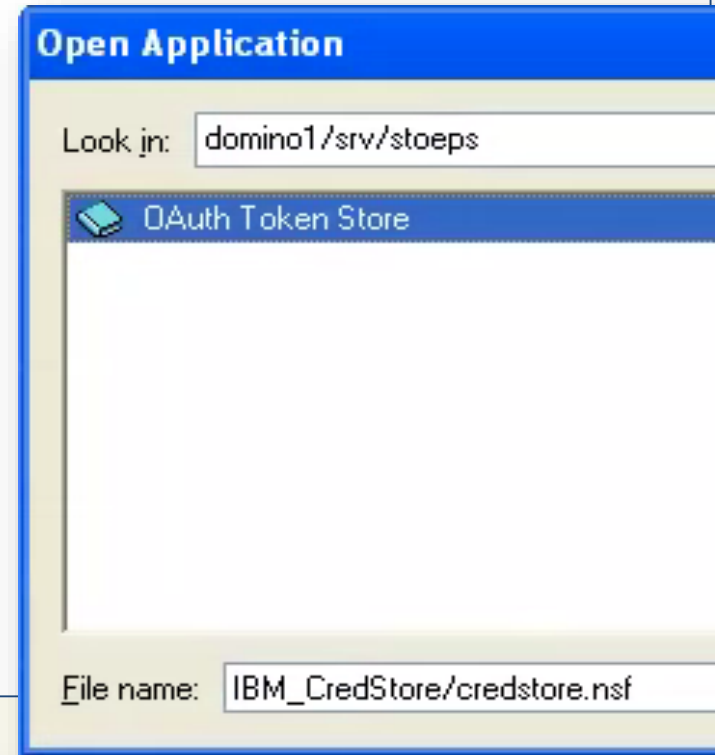
# Konfiguration IBM Connections

- OpenSocial-config.xml
  - Konfiguration der WhiteList
    - URLs oder Domains angeben für die EE erlaubt ist
    - urlWhiteListEnabled="false"
      - o alle URLs rendern EE
      - o nur für DEV Umgebungen empfohlen
  - Default: Embedded Experience ist deaktiviert
- Locked Domains sind in Connections im Default deaktiviert
  - Konfiguration mit Locked Domains ist komplizierter
  - DNS Wildcards benötigt
- **In produktiven Umgebungen unbedingt Locked Domains aktivieren** zur Absicherung vor XSS etc.
- Details im Vortrag von Chris Miller



# Vorbereitung IBM Notes & IBM Domino

- Credential Store anlegen (wichtig für OAUTH)
  - keymgmt create nek opensocial
  - keymgmt create credstore opensocial
  - IBM\_CredStore\credstore.nsf überprüfen
- Credential Store konfigurieren
  - Admingruppe in ACL hinzufügen
  - Rolle Admin und Access=Manager
- Credential Store öffnen
  - Create Encryption Key
  - Create New encryption key



The encryption key is used in encryption of the SecurityToken.

Create new encryption key



# IBM Domino – Widget Catalog

- Widget Catalog erstellen
  - Database New
  - Template: Widget Catalog (advanced Template)
- ACL
  - Admins als Manager hinzufügen
  - Rolle "Admins"
- Agent "PushToCredStore" aktivieren
- Configuration – Configure Credential Store
  - Server und DB angeben (IBM\_CredStore\credstore.nsf)

✓ CalcTags		LotusScript	27.03.2014 10:...	First Admin/users/stoeps
✓ CreateStatisticRDoc	CreateStatisti...	LotusScript	27.03.2014 10:...	First Admin/users/stoeps
✓ PushToCredStore		Java	07.12.2013 01:...	domino1/srv/stoeps
⚙ RmDupRatingR2R	RmDupRating...	LotusScript	22.09.2013 07:...	Lotus Notes Template Develop...



# IBM Domino – Widget Catalog

- Widget Catalog erstellen
  - Database New
  - Template: Widget Catalog (advanced Template)
- ACL
  - Admins als Manager hinzufügen
  - Rolle "Admins"
- Agent "PushToCredStore" aktivieren
- Configuration – Configure Credential Store
  - Server und DB angeben (IBM\_CredStore\credstore.nsf)

## Credential Store Database:

Server Name:

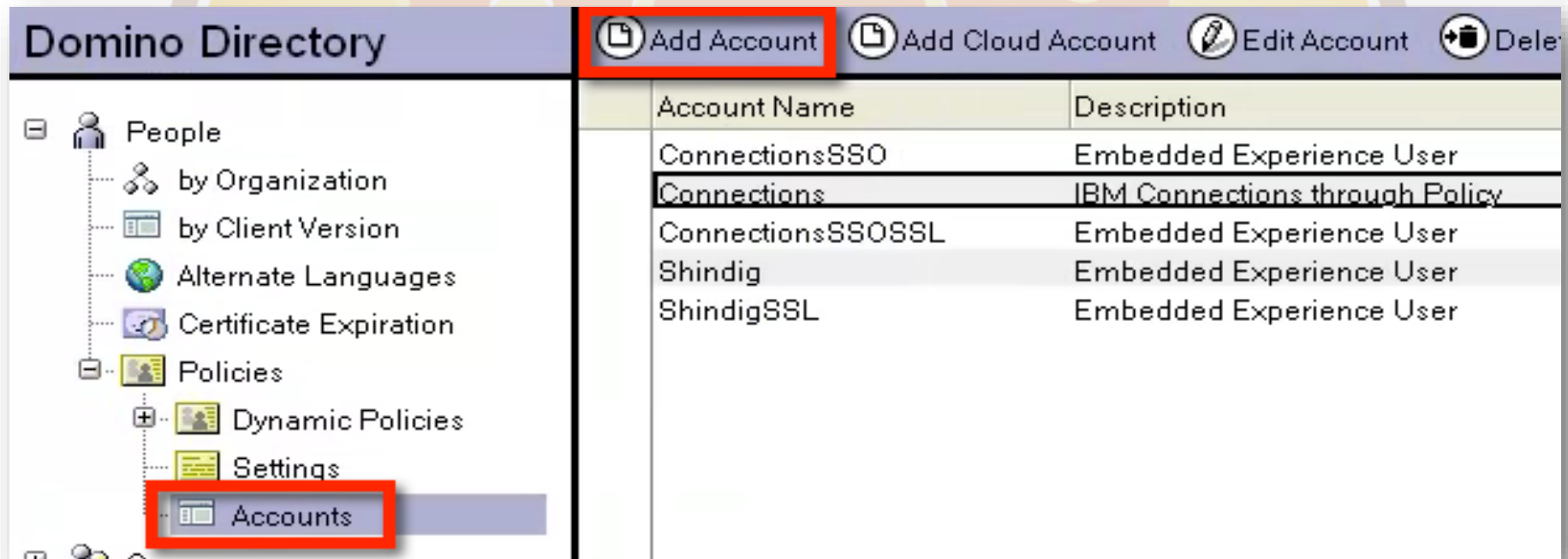
NSF Name:





# Managed Account für Shindig

- Um als Notes User an Shindig authentifizieren zu können



The screenshot shows the Domino Directory interface. The left sidebar has a tree view with 'Accounts' selected and highlighted with a red box. The top toolbar has 'Add Account' highlighted with a red box. The main pane displays a table of accounts.

Account Name	Description
ConnectionsSSO	Embedded Experience User
Connections	IBM Connections through Policy
ConnectionsSSOSSL	Embedded Experience User
Shindig	Embedded Experience User
ShindigSSL	Embedded Experience User





## Managed Account für Shindig (2)

- Account server name: <http://domino-dns/fiesta/container>
- SSO Server: DNS Name Domino mit LTPA

**Account Shindig**

Basics | Advanced

Basics Allow edits to field by the end user

Account name:	<input type="text" value="Shindig"/>	
Account description:	Embedded Experience User	
Account type:	Other	
Account server name:	<input type="text" value="http://domino1.stoeeps.local/fiesta/container"/>	<input type="checkbox"/> Editable
Protocol:	<input type="text" value="HTTP"/>	
Only from location(s):	*	
Use Domino single sign-on if available:	Enabled	
Domino single sign-on server:	mail.stoeeps.local	
Allow other accounts to use this log in information:	Disabled	
Name of linked SAML account:		



## Managed Account für Shindig (3)

- Advanced
- Edit List
  - primaryAccountName=Connections
  - cnxEnabled=true
  - useClustermates=true
  - dominoresolveservername=false
  - version=1.0
  - dominosso=true
  - PreferredUsernameField=FullName

### Account Connections

Basics **Advanced**

#### Advanced

Authentication URL: mail.stoeeps.local

Authentication Type: DOMINO-SSO

Enforce SSL: No

Enforce trusted sites: No

Custom message text:

#### Add these name/value pairs to the Properties

hideinui=false

primaryAccountName=Connections

cnxEnabled=true

useclustermates=true

dominoresolveservername=false

version=1.0

dominosso=true

PreferredUsernameField=FullName



# Managed Account für Shindig (2)

## Account Shindig

Basics | **Advanced**

### Advanced

Allow edits to field by the end user

Home Portal URL:

Authentication URL:

Editable

Authentication Type: **DOMINO-SSO**

Editable

Enforce SSL: Yes

Editable

Enforce trusted sites: Yes

Editable

Custom message text:

Add these name/value pairs to the Properties list:

Allow edits to fields listed:

hideinui=false

**PreferredUsernameField=fullname**



# Security Settings

- Security Policy Setting Dokument

- Proxies

- Context: /xsp/proxy/BasicProxy
- URL: [http\(s\)://mail.stoepe.local:80/fiesta](http(s)://mail.stoepe.local:80/fiesta)
- Actions: GET, POST
- Cookies: DomAuthSessId, LtpaToken, LtpaToken2

The screenshot shows the IBM Notes Security Policy configuration interface. It features a blue header bar with the text "IBM Notes". Below the header, there is a yellow background area. On the left side, there is a section titled "White-list rule to add or modify" with a key icon. This section contains several input fields: "Context" with the value "/xsp/proxy/BasicProxy", "URL" with "https://mail.stoepe.local:80/fiesta", "Actions" with "GET,POST", "Cookies" with "DomAuthSessId,LtpaToken,LtpaToken2", "Mime-types" with "\*", and "Headers" with "\*". To the right of these fields are three buttons: "Add/Modify Value >>", "<< Remove", and "<< Remove all". On the right side of the interface, there is a section titled "Add these white-list rules for proxy servlets:" with a list box containing three entries: "/xsp/proxy/BasicProxy=http://mail.stoepe.local:80/fiesta;GET,PC", "/xsp/proxy/BasicProxy=https://mail.stoepe.local:80/fiesta;GET,P", and "/xsp/proxy/LcFilesProxy=http://cnxwin.stoepe.local/files;HEAD,G". The list box has a scrollbar and navigation arrows.



# Policy: Desktop Settings

- Widget Catalog Server
- Widget Catalog application name
- Widget Catalog categories to install
- Gadget Server URL

**Desktop Settings : DesktopSettingsEE**

Basics | Smart Upgrade | Applications | Widgets | Dial-up Connect

**Widget Settings**

Widget catalog server:	domino1/srw/stoeps
Widget catalog application name:	toolbox.nsf
Widget catalog categories to install:	ibmcnx
Enable Live Text:	Enable
Show the My Widgets panel in the sidebar:	Yes
Restrict the creation of widgets to specific types:	Enable
Gadget Server URL:	http://domino1.stoeps.local:80/fiest a
Gadget Cache URL:	



## Policy: Desktop Settings (2)

- Managed Account für Shindig hinzufügen
  - analog Plugins
- notes.ini
  - ENABLE\_EE=1
  - \$ENABLE\_EE=1

The screenshot shows the 'Administrative Account Defaults' window. It has a purple header bar. Below the header, there is a checked checkbox labeled 'Overwrite pre-existing account document, if found in Contacts application'. Underneath are two buttons: 'Update Links' and 'Remove All'. A vertical scrollbar is visible on the right side. Below the buttons, there is a section titled 'Account Links' with a downward-pointing triangle. Under this section, there are five blue underlined links: 'Connections', 'ConnectionsSSO', 'ConnectionsSSOSSL', 'Shindig', and 'ShindigSSL'.

Notes.ini | Locations | Managed Settings |

Add these Notes.ini settings to users' d  
Enable\_EE=1, Enforce: SetOnce



# Policy: Security Settings

- Manage ACL
  - Administratoren die Widgets Admin Rolle haben hinzufügen mit "Ability to configure Widget capabilities"

**Workstation Security: Execution Control List**

ECL for Administrator

Last modified 27.03.2014 10:14:20

Modified By First Admin/users/stoeps

When signed by:

- Default-
- No Signature-
- BT Mail and Calendar Migration Tools/Lotus Notes C
- Domino Unified Communications Services/Lotus Not
- First Admin/users/stoeps**
- Lotus Fax Development/Lotus Notes Companion Pro
- Lotus Notes Template Development/Lotus Notes
- Sametime Development/Lotus Notes Companion Pro

Allow user to modify:

- Workstation security
- Java applet security
- JavaScript security

Allow:

- Access to file system
- Access to current database
- Access to environment variables
- Access to non-Notes databases
- Access to external code
- Access to external programs
- Ability to send mail
- Ability to read other databases
- Ability to modify other databases
- Ability to export data
- Access to Network
- Ability to read from property broker
- Ability to write to property broker
- Access to Workstation Security ECL
- Ability to configure Widget capabilities
- Ability to load Java code

Buttons: Add..., Rename..., Remove, OK, Cancel





## Policy: Security Settings (2)

- Proxy Whitelist definieren
  - Proxies
  - Edit List



### White-list rule to add or modify

Context	<input type="text" value="/xsp/proxy/BasicProxy"/>
URL	<input type="text" value="http://domino1.stoeps.local"/>
Actions	<input type="text" value="GET,POST"/>
Cookies	<input type="text" value="DomAuthSessId,LtpaToken,LtpaToken2"/>
Mime-types	<input type="text" value="*"/>
Headers	<input type="text" value="*"/>





# Mail Settings

- Es sind keine speziellen Einstellungen im Mail Settings Dokument notwendig
- Desktop Settings ziehen in iNotes aber nur wenn min. ein Mail Policy Dokument der Policy zugewiesen ist!
- s.a. <http://www-01.ibm.com/support/docview.wss?uid=swg21384073>
- Aktualisierung der Policy für iNotes
  - Default: 12 Stunden für Aktualisierung Mailpolicy
  - `tell adminp process mailpolicy`



# Konfigurationsdokument

- Für Shindig Einstellungen notwendig
- Basics
  - Configuration for Domino Server with Shindig: Enabled
- notes.ini Settings:
  - Enable\_EE=1
  - iNotes\_WA\_EnableEE=1
  - iNotes\_WA\_LiveText=1
  - iNotes\_WA\_Widgets=1
  - iNotes\_WA\_OpenSocial=1
  - iNotes\_WA\_Widgets\_AutoUpdate\_Group=iNotesWidgetsGroup
  - iNotes\_WA\_Widgets\_AutoUpdate\_Day=1



## Konfigurationsdokument (2)

- Social Edition

- Basics
- Locked Domains disabled -> **nicht in produktiven Umgebungen verwenden!**

Basics	Advanced
<b>Basics</b>	
Locked domains:	Disabled
Locked domain suffix:	-locked.stoeeps.local
Domain name for unlocked gadgets and content fetching:	mail.stoeeps.local
Shindig server(s) host name:	mail.stoeeps.local
Total cache in memory:	
Total cache on disk:	
Use HTTPS for OAuth redirect URLs:	Enabled



## Konfigurationsdokument (3)

- `shindig.properties`
  - callback-url muss gleich der URL sein, die zum Export der Gadgets verwendet wurde





## Konfigurationsdokument (3)

- shindig.properties
  - callback-url muss gleich der URL sein, die zum Export der Gadgets verwendet wurde

Basics | Advanced

shindig.properties | container.js

**shindig.properties settings**

Current parameters:	shindig.locked-domain.enabled=false gadgets.uri.iframe.scheme=http shindig.signing.global-callback-url=https://mail.stoeeps.local/fiesta/gadgets/oauthcallback shindig.oauth2.global-redirect-uri=https://mail.stoeeps.local/fiesta/gadgets/oauth2callback
Last parameter set:	org.apache.shindig.gadgets.servlet.level
Current value:	- parameter removed -
Parameter set by:	First Admin/users/stoeeps at 16:45 Heute



# Widgets importieren

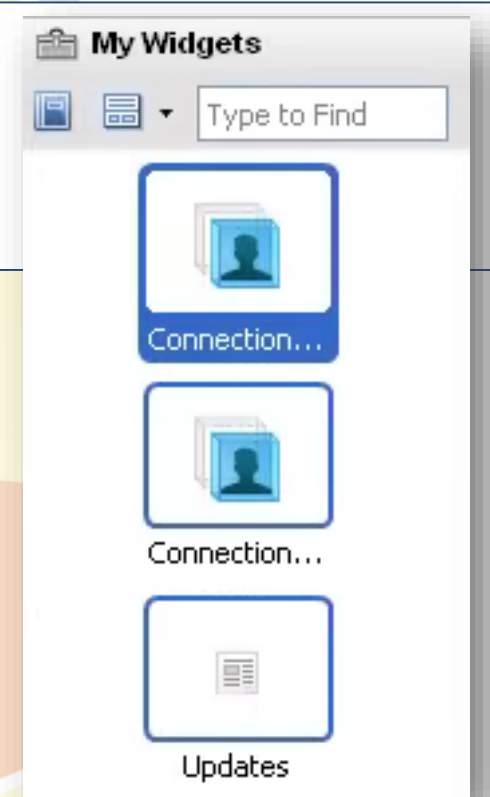
- Die aus Connections extrahierten Gadgets in den Widget Catalog importieren
  - AS.Gadget.extension.xml
  - EE.Gadget.extension.xml
  - Category für Installation und Platform jeweils anpassen
- Beachten: Approve nicht vergessen

	Import	Open	Add Widget to Catalog	
	Modified	Date ^	Categories ◇	Title ◇
	19.09.2014 15:17:02	19.09.2014	ibmcnx	<b>Connections EE Gadget</b>
	19.09.2014 13:09:18	19.09.2014	ibmcnx	<b>Connections EE Gadget</b>
	19.09.2014 13:08:36	19.09.2014	ibmcnx	<b>Updates</b>
	22.07.2014 09:41:58	02.04.2014	Ytria	<b>Ytria Designer Widget</b>



# Widgets installieren

- Policy installiert die Gadgets automatisch
- iNotes
  - tell dots run UpdateWidgetsTask









# IBM Docs Viewer, Connections Files und IBM iNotes



# IBM Docs Viewer

- Konvertiert Dateien in IBM Connections zur direkten Anzeige im Browser
- In IBM Connections Lizenz enthalten (Entitlement)
- Zwei Tasks
  - Conversion (WINDOWS only!)
  - Viewer
- Aktuelle Version 1.0.6
- s.a. Track 4 Session 1 IBM Docs (Installation)
- kann auch in IBM iNotes integriert werden
  - kein Download von Attachments notwendig

## Test with attachment

**Christoph Stoettner**

To: Christoph Stoettner

▼ Attachments (1)



File Name

Installation Anleitung IBM Docs 1.0.4 Deployment - V



# Integration Connections Files

- Speichern von Anhängen in Connections Files
- Download des Anhangs
- Einfügen von Dateilinks

From: Christoph Stoettner/users/stoeps 09/25/2014 05:13PM

Sans Serif 10

↶ **b** *i* u A [Table] [Image] [List] [List] [List] [List] AA [Zoom] [Link] [Check] [Check]

URL...

**Insert Links from Files...**

**Test with attachment**

**Christoph Stoettner**

To: Christoph Stoettner

Attachments (1)

**File Name**

Installation Anleitung IBM Docs 1.0.4 Deployment - Working Version v2(1).pdf



# Mail Settings

- IBM iNotes
  - Configuration

## IBM Docs Integration

Allow IBM Docs Integration:	Enable
URL to IBM Docs service:	<a href="http://cnxwin5.stoeps.local">http://cnxwin5.stoeps.local</a>
Viewable file types:	ots, xls, odt, xlsx, docx, ott, pptx, ods, otp, odp, ppt, csv, doc, pdf

## Connections Files Integration

Allow Files Integration:	Enable
URL to Connections Files service:	<a href="http://cnxwin5.stoeps.local/files">http://cnxwin5.stoeps.local/files</a>
Enable sharing linked files in mail:	True
Maximum group size for sharing linked files:	10
When replying to an email containing links to Files, only share linked files in the newly added part of the thread:	False



# Policy: Security Settings

- Proxy Konfiguration

- LcFilesProxy
- ViewerProxy



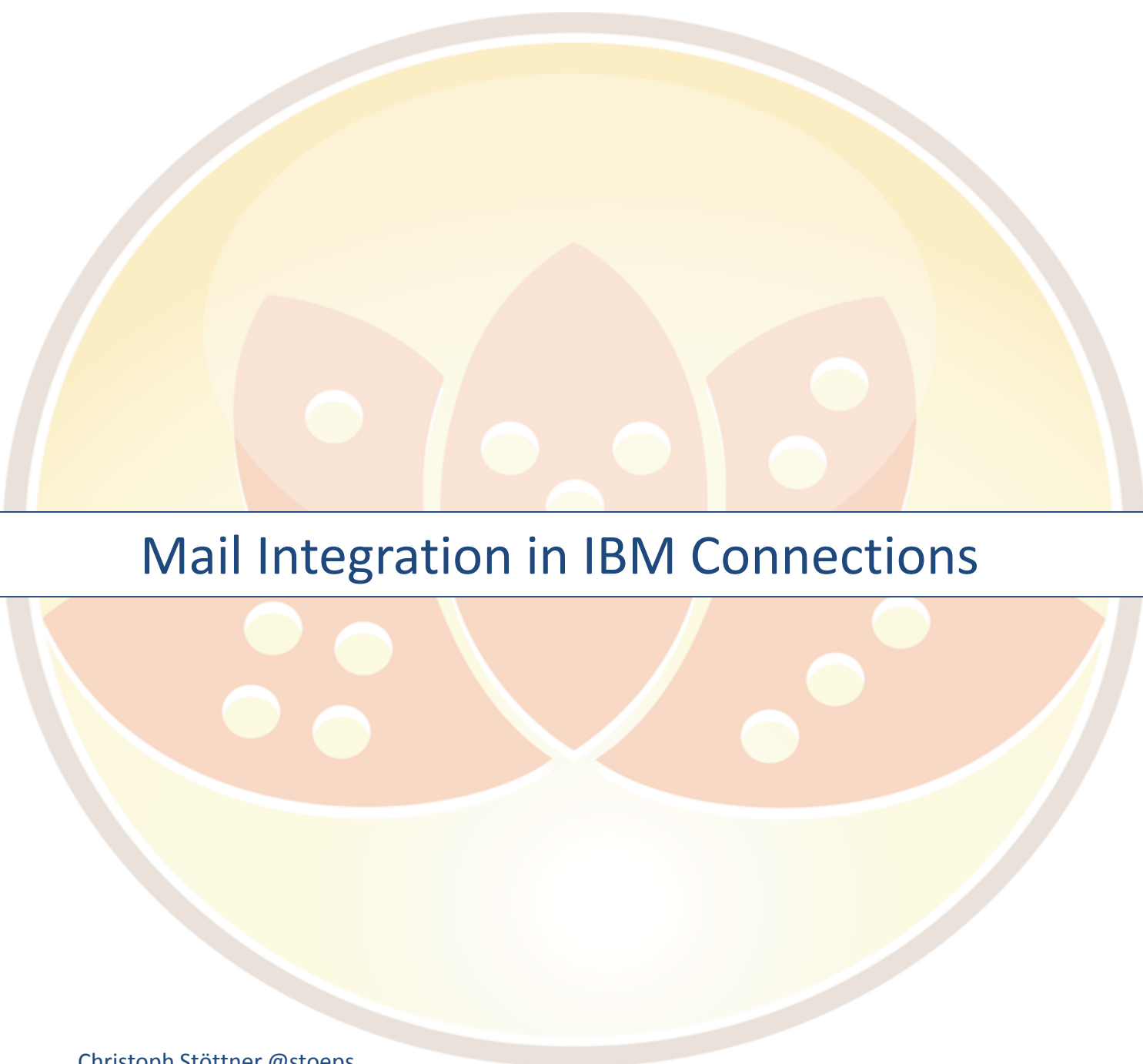
## White-list rule to add or modify

Context	<input type="text" value="/xsp/proxy/LcFilesProxy"/>
URL	<input type="text" value="http://cnxwin5.stoeeps.local/files"/>
Actions	<input type="text" value="HEAD,GET,POST,PUT"/>
Cookies	<input type="text" value="LtpaToken,LtpaToken2"/>
Mime-types	<input type="text" value="*"/>
Headers	<input type="text" value="*"/>



## White-list rule to add or modify

Context	<input type="text" value="/xsp/proxy/ViewerProxy"/>
URL	<input type="text" value="http://cnxwin5.stoeeps.local/"/>
Actions	<input type="text" value="HEAD,GET,POST"/>
Cookies	<input type="text" value="*"/>
Mime-types	<input type="text" value="*"/>
Headers	<input type="text" value="*"/>



# Mail Integration in IBM Connections



# Mailintegration in IBM Connections

- Zugriff auf E-Mails ohne Mail-Client
- Guter Start, um die Vorteile von EE zu sehen oder zu präsentieren
- Voraussetzungen
  - min. IBM Lotus Domino 8.5.3FP6 oder IBM Domino 9.0 Social Edition
    - iNotes aktiviert
  - min. MS Exchange 2010 SP3 oder MS Exchange 2013
  - Single Sign On
    - LTPAToken für Domino Integration
    - SPNEGO für Exchange Anbindung
- Download
  - <https://greenhouse.lotus.com/plugins/plugincatalog.nsf/assetDetails.xsp?action=editDocument&documentId=32943DDFE7EE835385257D1B004C263A&Login>
  - Installation erfolgt über Installation Manager



# Konfiguration

- Kopieren aus Connections Mail Installationsverzeichnis
  - socialmail-discovery-config-template.xml
  - socialmail-discovery-config.xsd
  - Ziel:  
WAS\_ROOT\profiles\Dmgr01\config\cells\<zelle>\LotusConnections-config
- socialmail-discovery-config-template.xml umbenennen
  - socialmail-discovery-config.xml
- Minimale Konfiguration mit iNotes Redirect Datenbank

```
<discovery>  
  <ServerConfig name="inotesredir" enabled="true">  
    <ConfigType>REDIRECT</ConfigType>  
    <RedirectURL>https://mail.stoeps.local/iwardir.nsf</RedirectURL>  
    <MailPattern type="stoeps.local"/>  
  </ServerConfig>  
</discovery>
```





# J2EE Rollen steuern die Mailintegration

- Beide Rollen müssen gesetzt werden, um die Integration zu aktivieren
  - Default: None
  - Common
    - mail-user
  - WidgetContainer
    - mail-user





# Troubleshooting

- SSO testen
  - Anmeldung an Connections
  - Öffnen der iNotes Redirect DB
- Test mit DiscoveryServlet
  - `http://<hostname>/connections/resources/discovery/DiscoveryServlet?email=<email address>`



# Troubleshooting

- SSO testen
  - Anmeldung an Connections
  - Öffnen der iNotes Redirect DB
- Test mit DiscoveryServlet
  - `http://<hostname>/connections/resources/discovery/DiscoveryServlet?email=<email address>`

```
- <SocialMailDiscovery server="notesredir" version="1.0">
  <type>DOMINO</type>
  <redirect>https://mail.stoeps.local/iwaredir.nsf</redirect>
- <gadgetConfig>
  <MailSearchInterval>5000</MailSearchInterval>
</gadgetConfig>
- <ConnectionsServices>
  - <files>
    <baseURL enabled="true">http://cnxwin5.stoeps.local/files</baseURL>
    <secureURL enabled="true">https://cnxwin5.stoeps.local/files</secureURL>
  </files>
  - <profiles>
    <baseURL enabled="true">http://cnxwin5.stoeps.local/profiles</baseURL>
    <secureURL enabled="true">https://cnxwin5.stoeps.local/profiles</secureURL>
```



# Troubleshooting

- SSO testen
  - Anmeldung an Connections
  - Öffnen der iNotes Redirect DB
- Test mit DiscoveryServlet
  - `http://<hostname>/connections/resources/discovery/DiscoveryServlet?email=<email address>`

```
- <SocialMailDiscovery>
- <DSMError>
  - <ErrorClass>
    com.ibm.social.pim.discovery.services.exception.DiscoveryConfigException
  </ErrorClass>
- <DiscoveryErrorText>
  CLFWD0022E [User email [christoph.stoettner@stoeps.de] address does not map to a valid server in this configuration.~SPIM1.6_iFix1_discovery.osgi23
  </DiscoveryErrorText>
</DSMError>
</SocialMailDiscovery>
```



# Embedded Experience mit Connections Mail





# Embedded Experience mit Connections Mail

New Message | My Mail

**domino1** Sep 12  
**Server Restart Notification**  
Fault Recovery Notification: Server domino1/srv

**domino1** Sep 5  
**Server Restart Notification**  
Fault Recovery Notification: Server domino1/srv

**domino1** Sep 3  
**Server Restart Notification**  
Fault Recovery Notification: Server domino1/srv

**First Admin** Sep 3  
[Profiles] First Admin commented on a message ☆  
First Admin commented on a message you posted to First Admin: <http://cnxwin5.stoeps.local/profiles/>  
Reply Reply All Forward Delete

**news-admin** Jul 23  
[IBM Connections] Weekly Newsletter from Jul 1 ☆  
Your weekly updates from Jul 16, 2014 to Jul 23,

**news-admin** Jul 22  
[IBM Connections] Daily Newsletter for Jul 22, 2 ☆  
Your daily updates for Jul 22, 2014

**First Admin** Jul 21  
[Profiles] First Admin commented on your mess ☆  
First Admin commented on your message:

**news-admin** Jul 21  
[Profile] First Admin hat Ihre Nachricht empfohle ☆  
First Admin hat Ihre Nachricht empfohlen.

Load more messages



# Embedded Experience mit Connections Mail

The screenshot displays the IBM Connections Mail interface. On the left, a list of messages is shown, with the message from 'First Admin' highlighted in red. The main view shows the details of this message, including a profile picture, the name 'First Admin', and the email address 'To: Christoph.Stoettner@stoeps.local'. A red box highlights the text: 'Format: This message is displaying an embedded experience. Show Original Message'. Below this, there is a profile picture of a man and the text 'Testing ee with @First Admin'. The interface also shows a '1 Like · Comment' section and a 'Comments (1)' section with a comment from 'First Admin' dated July 21, stating 'Test from Notes Client'. At the bottom, there is an 'Add a comment' input field. The top of the interface features navigation buttons: 'Reply', 'Forward', 'Mark as Unread', 'Move to...', and 'Delete'.



# Embedded Experience mit Connections Mail

The screenshot shows an email client interface. On the left is a list of messages, and on the right is a detailed view of a selected message. The selected message is a notification from 'First Admin'.

**Message List (Left):**

- domino1 Server Restart Notification
- domino1 Server Restart Notification
- domino1 Server Restart Notification
- First Admin [Profiles] First Admin commented on a message you posted to First Admin: <http://cnxwin5.stoeps.local>** (highlighted with a red box)
- news-admin [IBM Connections] Weekly Newsletter
- news-admin [IBM Connections] Daily Newsletter
- First Admin [Profiles] First Admin commented on your message
- news-admin [Profile] First Admin hat Ihre Nachricht empfohlen

**Message Detail View (Right):**

Reply Forward Mark as Unread Move to... Delete

[Profiles] First Admin commented on a message you posted to First Admin

First Admin  
To: Christoph.Stoettner@stoeps.local

Sep 3 5:54 PM

**First Admin commented on a message you posted to First Admin:**

Christoph Stoettner Testing ee with notes and inotes.  
First Admin juhu  
[Open your profile](#)

This is a notification sent from [IBM Connections](#).





# Troubleshooting



# Fehlersuche

- Zentraler Startpunkt:
  - [http://www-10.lotus.com/ldd/dominowiki.nsf/dx/Troubleshooting\\_OSC90](http://www-10.lotus.com/ldd/dominowiki.nsf/dx/Troubleshooting_OSC90)
- Wo kann es haken? Beispiele
  - Administration
    - z.B. CredStore, Widget Catalog
  - Notes Client
    - "Something went wrong"
    - Blank page
  - iNotes Client
    - OpenSocial failed to load
    - Status not 2xx
  - iNotes Server
    - SSL v3
  - Domino Server mit Shindig



# Debug IBM Connections





# Debug IBM Domino

- `http://<OpenSocial Component Location>/fiesta/notesdomino/notesdominocommoncontainer.html`
- Enable custom logging on the **iNotes Mail Server**  
OSGi on HTTP
  - `com.ibm.domino.servlets.widgets.level=FINEST`
  - `com.ibm.notes.toolbox.level=FINEST`
  - `com.ibm.rcp.toolbox.level=FINEST`
  - `com.ibm.inotes.widgets.level=FINEST`
  - `com.ibm.domino.common.widgets.level=FINEST`



## Debug IBM Domino (2)

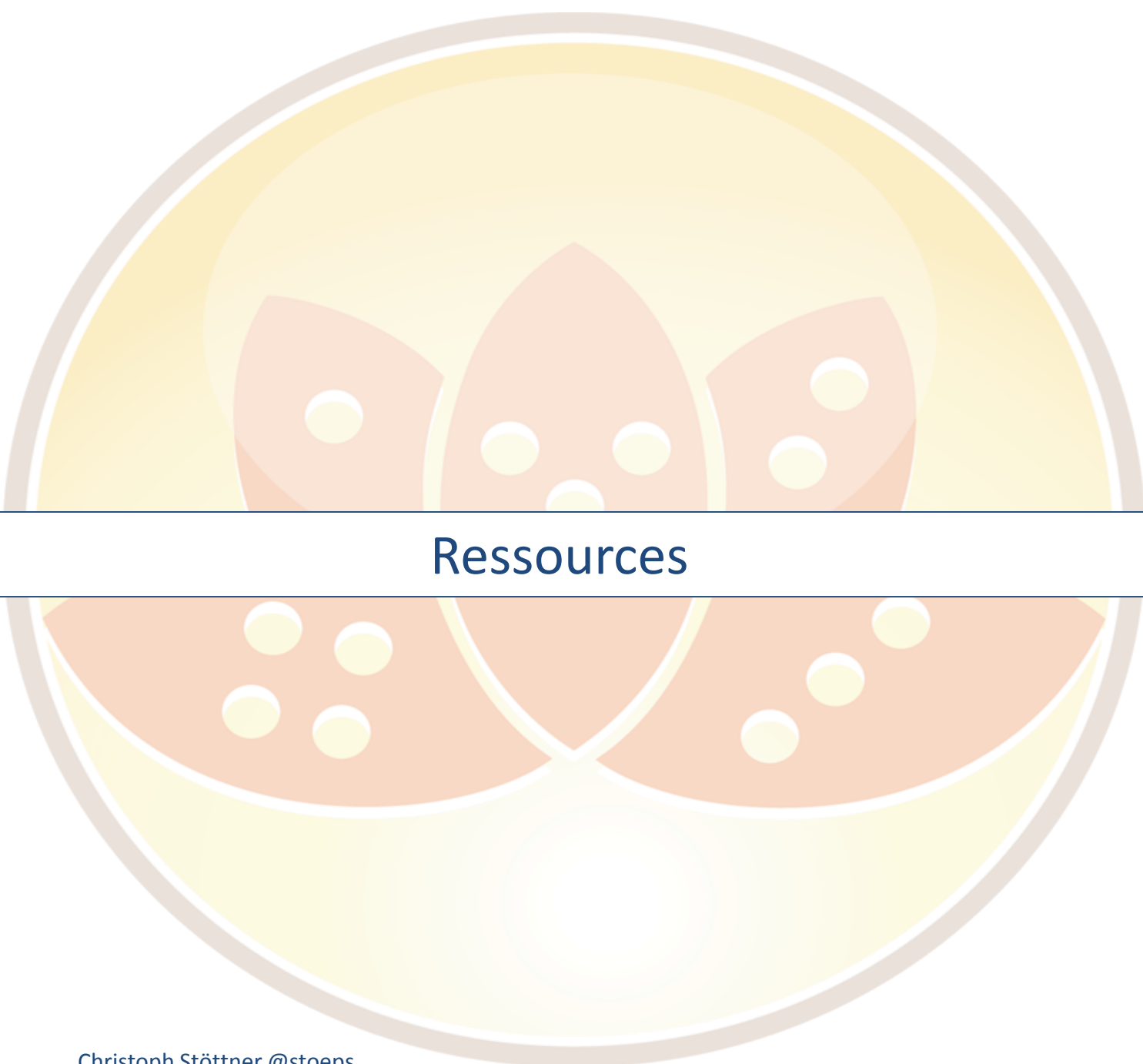
- OSGi on DOTS
  - `com.ibm.domino.osgi.widgets.level=FINEST`
  - `com.ibm.notes.toolbox.level=FINEST`
  - `com.ibm.rcp.toolbox.level=FINEST`
  - `com.ibm.inotes.widgets.level=FINEST`
  - `com.ibm.domino.common.widgets.level=FINEST`



## Debug IBM Domino (2)

- **OpenSocial Gadgets and Embedded Experiences**

- Enable custom logging on the **Domino Server with Shindig**
- `com.ibm.fiesta.inotes.level=FINEST`
- `com.ibm.fiesta.commons.level=FINEST`
- `com.ibm.rcp.fiesta.level=FINEST`
- `com.ibm.rcp.toolbox.level=FINEST`
- `com.ibm.mm.proxy.mapping.MappingImpl.level=FINEST`
- `com.ibm.mm.proxy.rules.PolicyImpl.level=FINEST`
- `com.ibm.mm.proxy.connection.filter.CookieFilter.level=FINEST`
- `com.ibm.mashups.proxy.connection.HttpURLConnectionFilter.level=FINEST`
- `org.apache.shindig.auth.level=FINEST`
- `org.apache.shindig.gadgets.features.level=FINEST`
- `org.apache.shindig.gadgets.render.level=FINEST`
- `org.apache.shindig.gadgets.servlet.level=FINEST`



# Ressources



## Links

- [http://www-10.lotus.com/ldd/dominowiki.nsf/dx/Troubleshooting\\_OSC90](http://www-10.lotus.com/ldd/dominowiki.nsf/dx/Troubleshooting_OSC90)
  - <http://www.youtube.com/watch?v=Bntc5Su3dfM>
- [http://www-10.lotus.com/ldd/dominowiki.nsf/xpDocViewer.xsp?lookupName=IBM+Notes+9.0+Social+Edition#action=openDocument&res\\_title=Widgets\\_and\\_Live\\_Text\\_N90&content=pdcontent](http://www-10.lotus.com/ldd/dominowiki.nsf/xpDocViewer.xsp?lookupName=IBM+Notes+9.0+Social+Edition#action=openDocument&res_title=Widgets_and_Live_Text_N90&content=pdcontent)
- [http://www-10.lotus.com/ldd/dominowiki.nsf/dx/IBM\\_Domino\\_9.0\\_Social\\_Edition\\_OpenSocial\\_Deployment\\_Cookbook?open](http://www-10.lotus.com/ldd/dominowiki.nsf/dx/IBM_Domino_9.0_Social_Edition_OpenSocial_Deployment_Cookbook?open)
- <http://www.youtube.com/watch?v=joB87-Pi5hl>





# Danke

## Klaus Bild

Twitter: @kbild

Mail: [klaus.bild@gmail.com](mailto:klaus.bild@gmail.com)

Blog: [www.kbild.ch](http://www.kbild.ch)

Skype: kbuilder

[slideshare.net/kbild](http://slideshare.net/kbild)

[xing.com/profile/Klaus\\_Bild](http://xing.com/profile/Klaus_Bild)

## Christoph Stöttner

Twitter: @stoeps

Mail: [cstoettner@fum.de](mailto:cstoettner@fum.de)

Blog: [www.stoeps.de](http://www.stoeps.de)

Skype: christophstoettner

[slideshare.net/ChristophStoettner](http://slideshare.net/ChristophStoettner)

[xing.com/profile/Christoph\\_Stoettner](http://xing.com/profile/Christoph_Stoettner)

<http://about.me/stoeps>

<http://scripting101.org>

<http://github.com/stoeps13/ibmcdnx2>