



T3S1 – IBM Notes goes Connections

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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

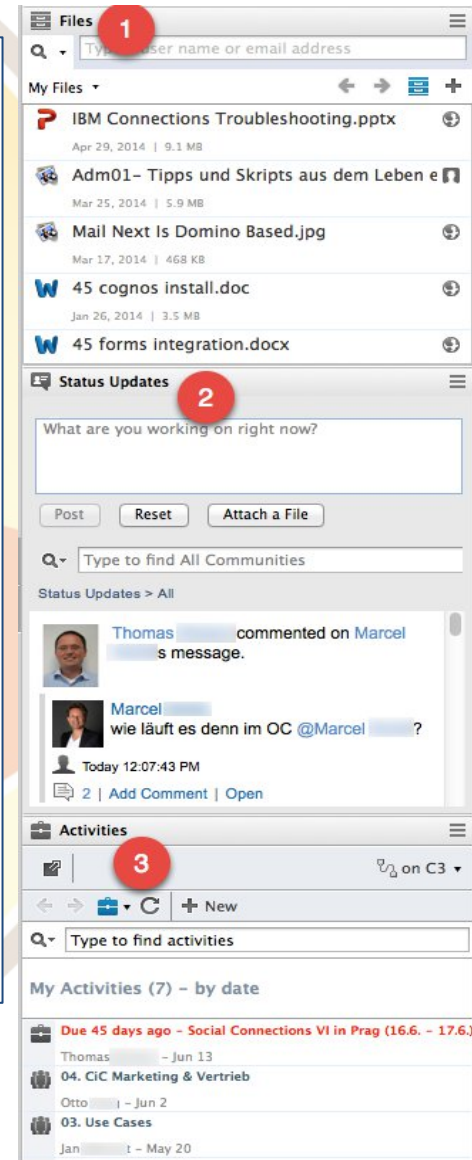


Installation & Konfiguration IBM Connections Plugin in IBM Notes



Connections Plugins für IBM Notes - Funktionen

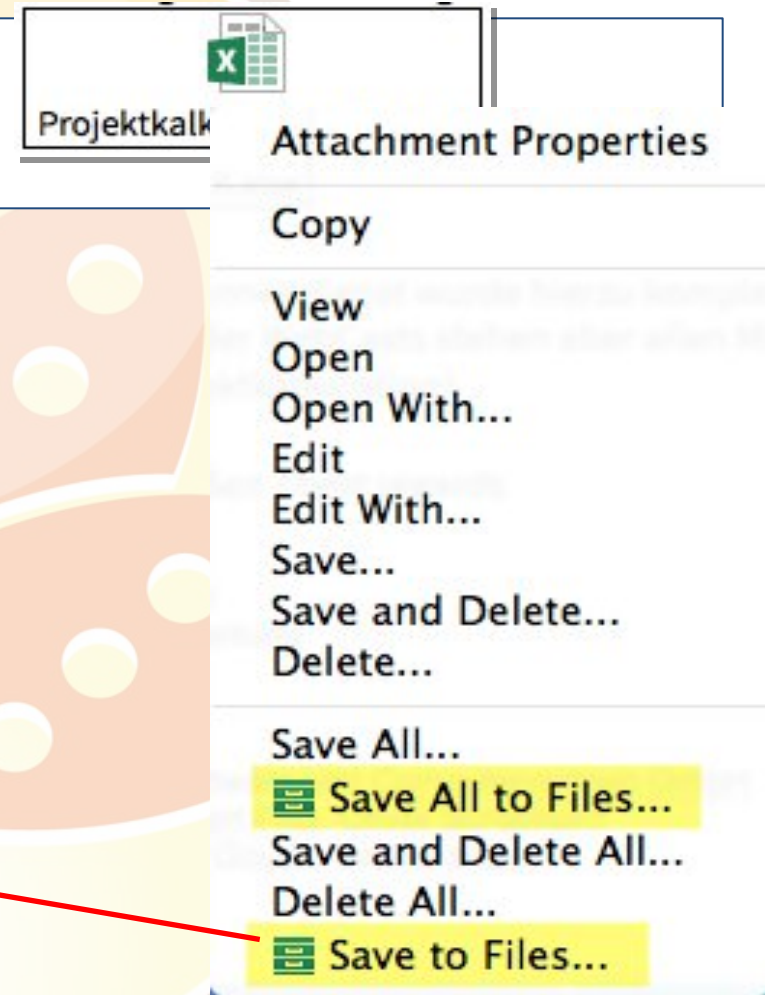
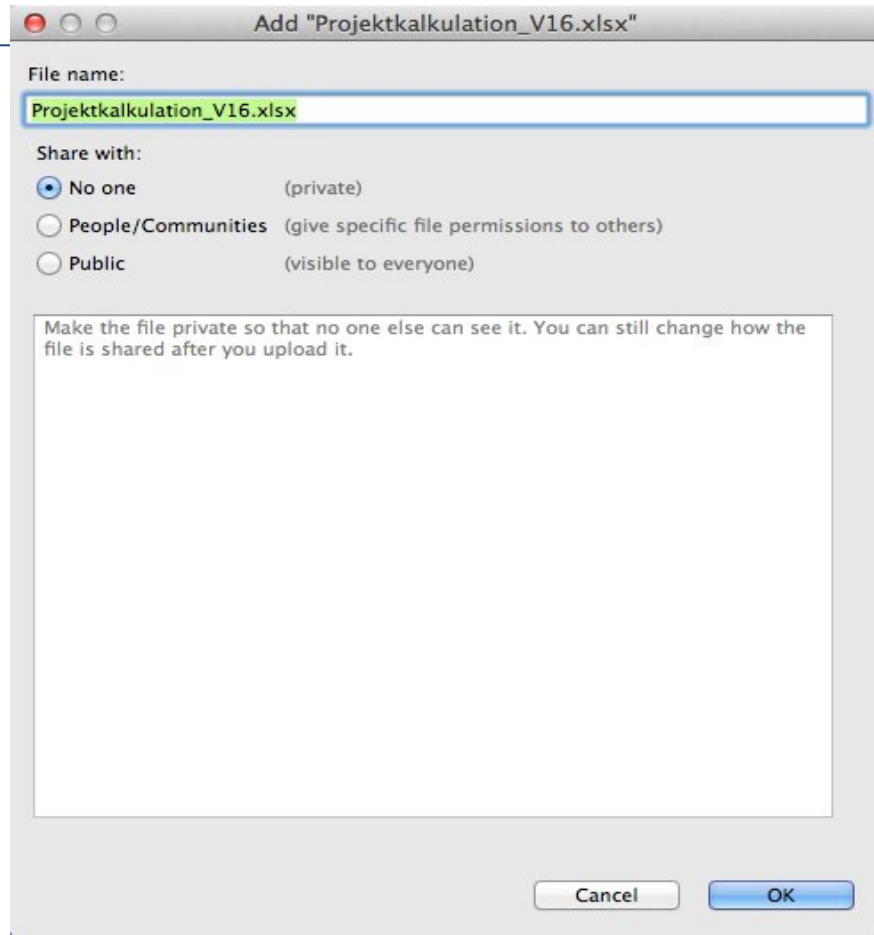
- Files – Dateien
 - Upload Dateien
 - E-Mails
 - Attachments
 - Dateien freigeben
 - Link zu Datei einfügen
- Status Updates (Activity Stream)
 - Aktuelle Updates (Follow, Discover ...) lesen
 - Status posten
- Activities
 - Zugriff auf Activities (eigene und Community)
 - Mails zu Activities hinzufügen





Notes Plugin - Files

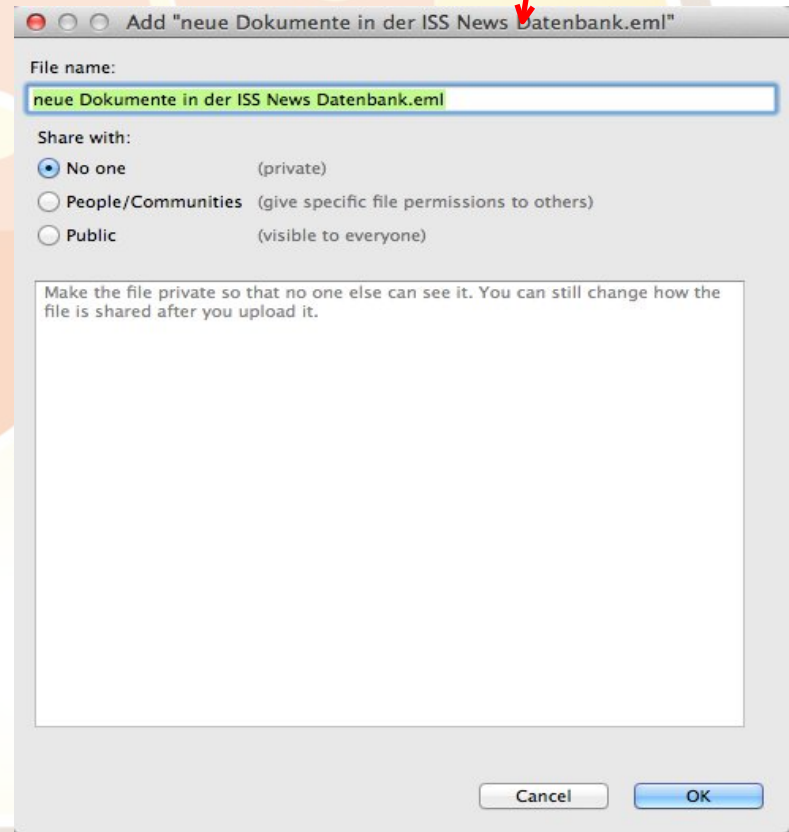
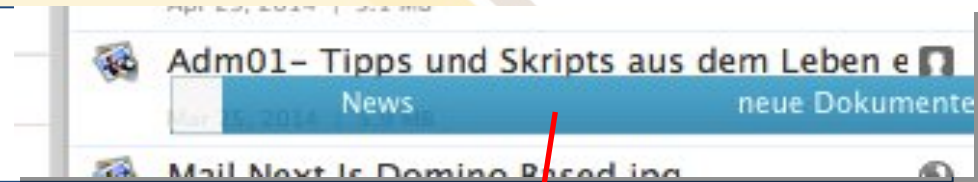
- Attachments aus Mails speichern





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

Status Updates

Preparing #DNUG und #AdminCamp Session.

Post Reset Attach a File

Q- Type a user name or email

- ✓ People
- All Communities
- My Communities
- Public Communities

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

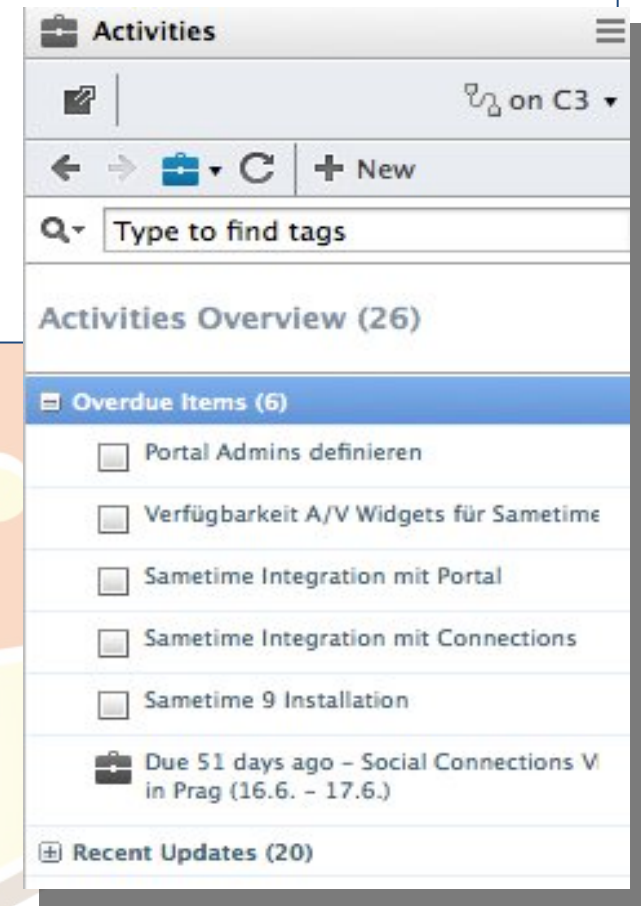
- ✓ All
- ✓ My Network and People I Follow
- ✓ My Network
- ✓ People I Follow
- ✓ My Updates
- ✓ Communities

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:

Due date:

Tags:

Section:

Assign To:

Add a Calendar

Add:

Add:

Add / Notes user's calendar

Add / Notes Teamroom calendar

Add / Notes application calendar

*Label:

Calendar:

Calendar:

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

Background:

Text:

Entry icon:

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/stoeeps**
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: 1

Account description:

Account type:

Connections service URL: 2

Is primary Account: 3 ☒ Yes

Only from location(s):

Use Domino single sign-on if available: 4

Domino single sign-on server:

Name of linked SAML account:

Connections Settings

Display name: 5 ☐ 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:

hideinui=false
primaryAccountName=Connections
cnxEnabled=true
useclustermates=true **3**
dominoresolveservername=false
version=1.0
dominosso=true
PreferredUsernameField=FullName

Allow edits to fields listed:

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.stoepe.de/os-cred>

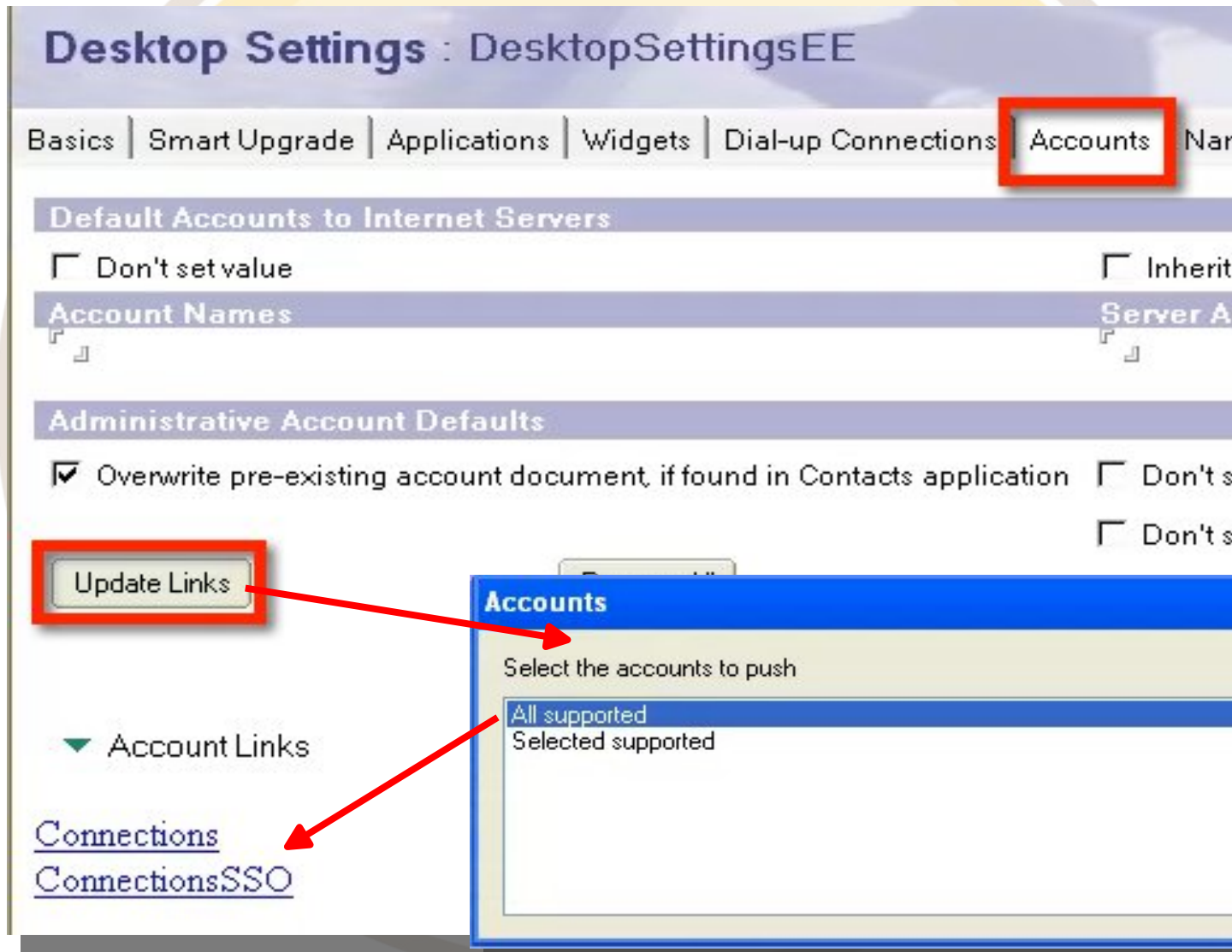


Policies

- 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





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

The screenshot shows the Domino Directory interface. On the left, the 'Security' folder is expanded, showing 'Certificates' and 'Certificate Expiration'. The main pane displays a list of certificates under the 'Issued By' column. The 'Internet Certifiers' folder is expanded, showing 'cnxwin5.stoeeps.local'. The 'cnxwin5.stoeeps.local/' entry is highlighted with a red rectangle. An 'Actions' menu is open over the list, showing various options. The 'Import Internet Certificates' option is highlighted in blue.

Issued By	Issued To
Internet Certifiers	
cnxwin5.stoeeps.local	
cnxwin5.stoeeps.local/	
DE	
Stoeeps Inc.	
mail.stoeeps.local	

Actions menu options:

- 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



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/](#)

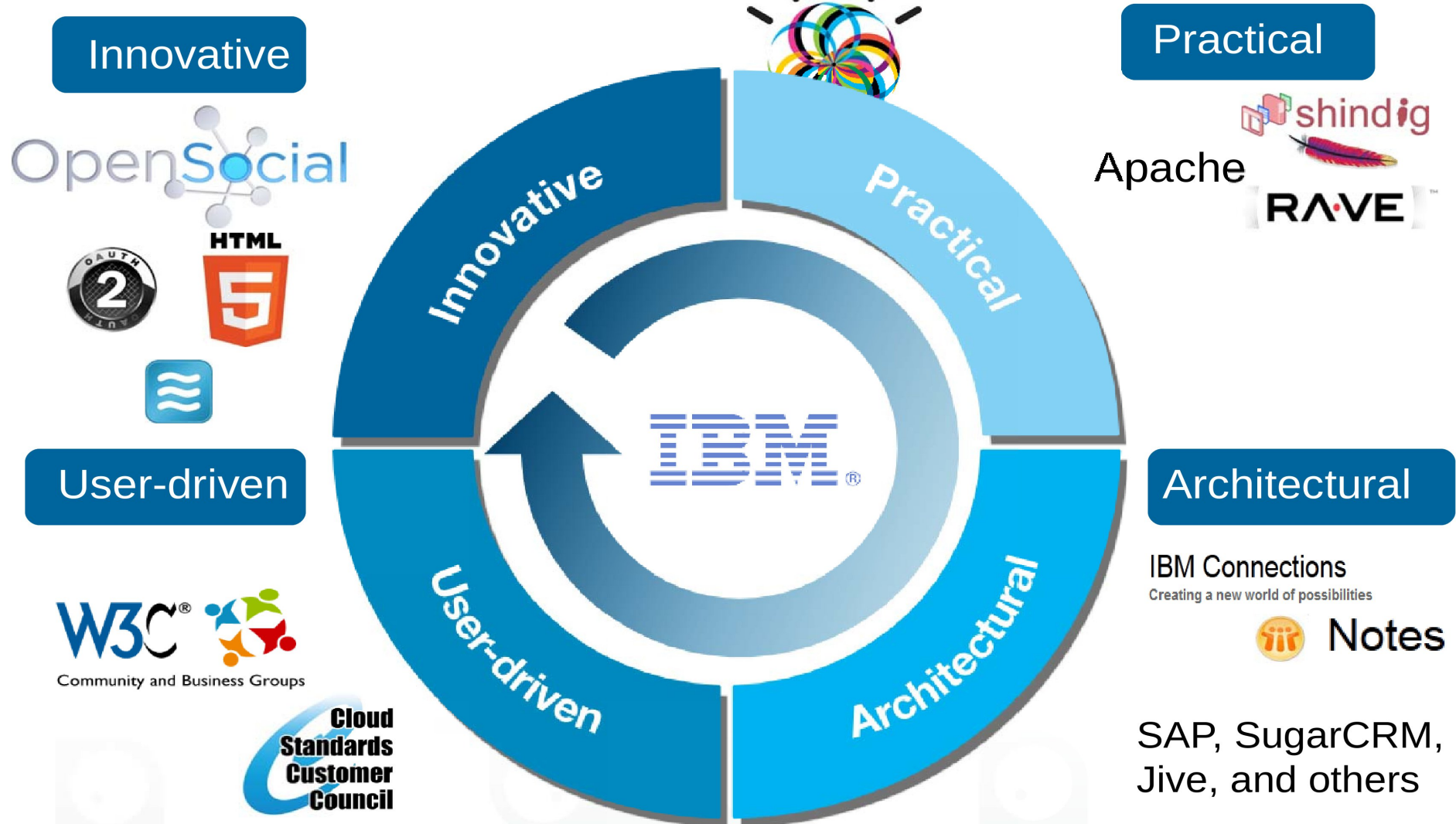
[cnxwin5.stoeps.local/Root Certificate/cnxwin5Cell01/cnxwin5CellManager01/TB...](#)





IBM Connections Social Widgets in IBM Notes / iNotes

A practical approach to standards

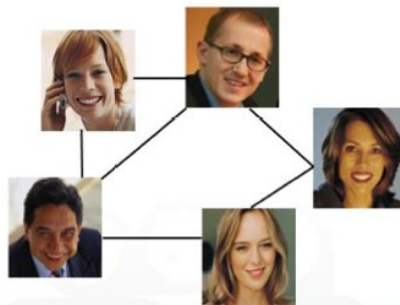




Terminologie

- 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>

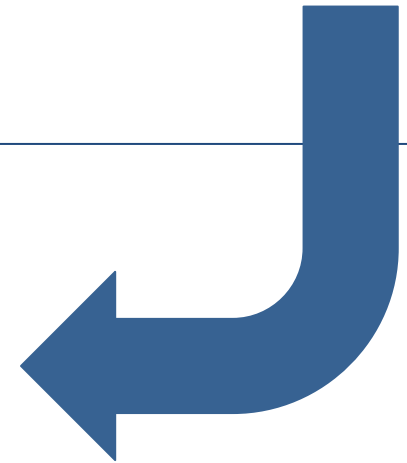
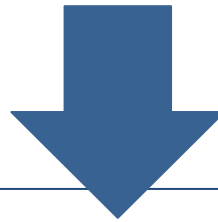
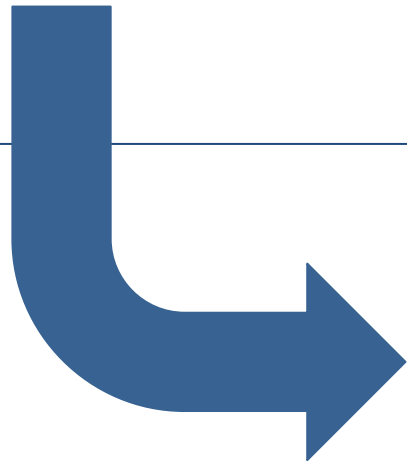




OpenSocial im IBM Portfolio

Activity Stream

HTML5



IBM Notes & Domino 9 Social Edition

IBM Connections & Connections Mail



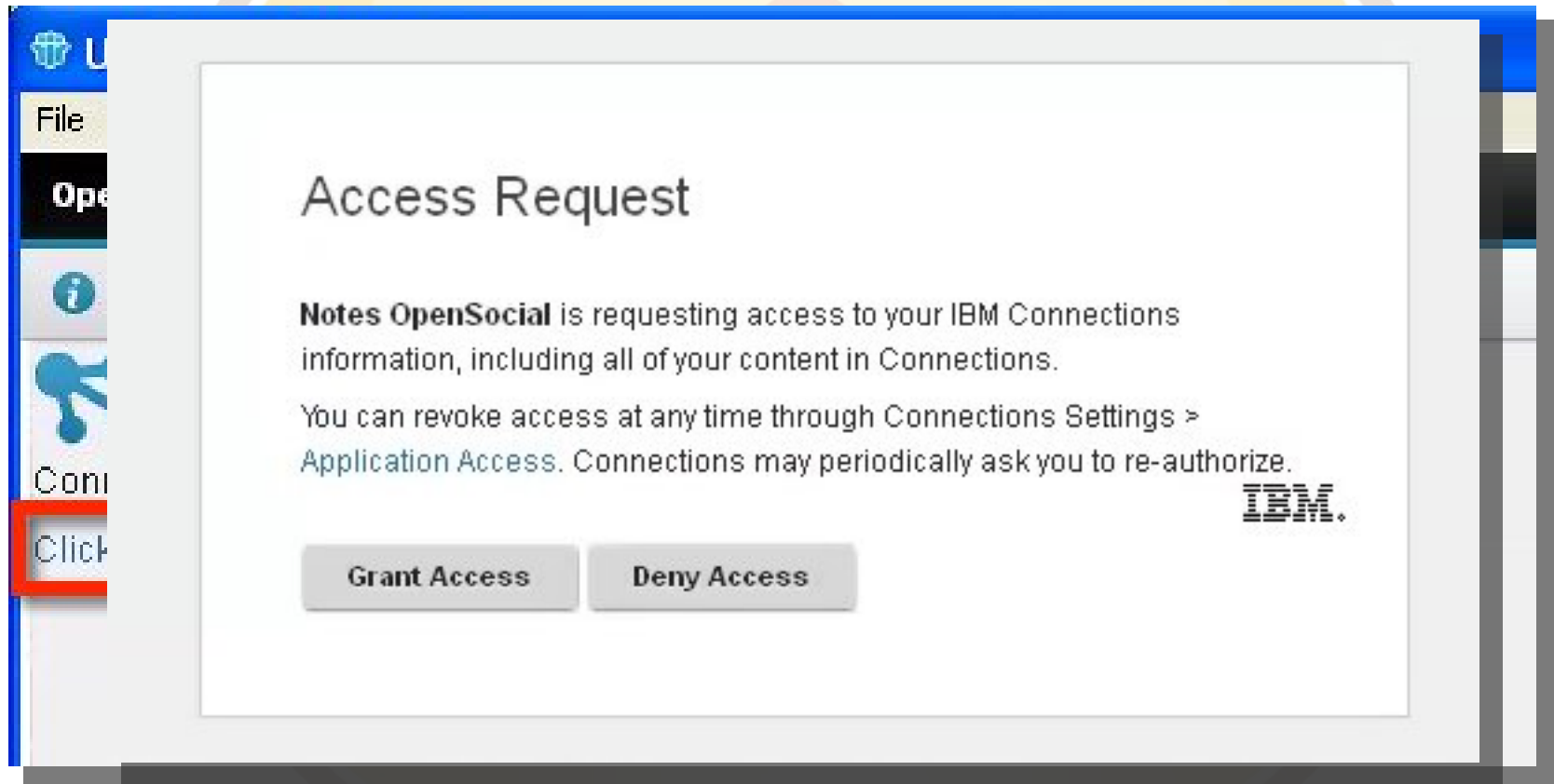
OAuth



- 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





Applikationsberechtigung zurückziehen

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

The screenshot shows the 'Application Access' tab in the IBM Connections settings. The page title is 'Application Access' with the subtitle 'Applications with access to your IBM Connections information.' Below this is a table with four columns: 'Application Name', 'Authorization Date', 'Expiration Date', and 'Action'.

Application Name	Authorization Date	Expiration Date	Action
Notes OpenSocial	Today 8:38 AM	Mar 21, 2015	Revoke
Notes OpenSocial Plain	Today 8:59 AM	Mar 21, 2015	Revoke



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

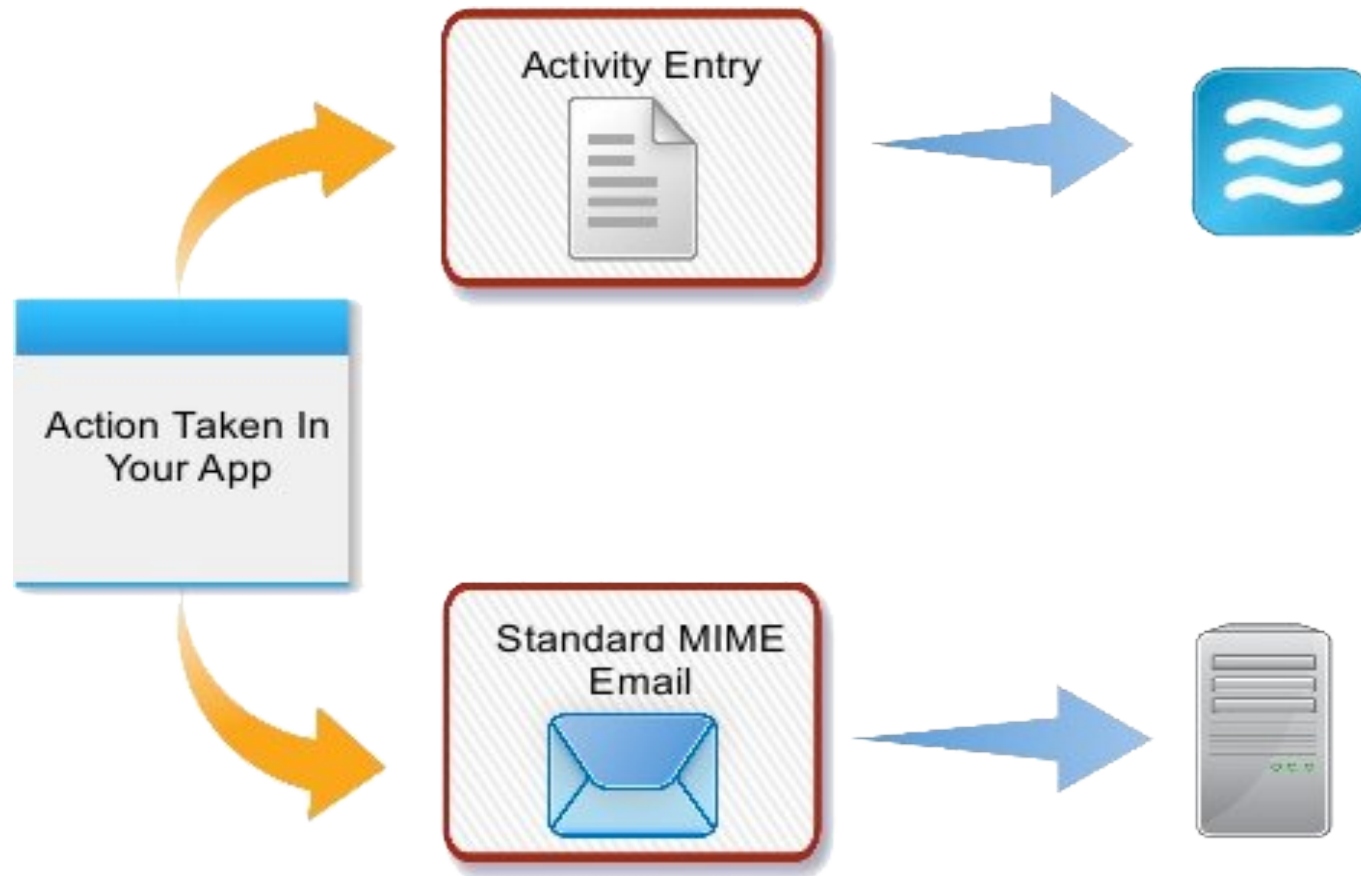
- Methode um die Funktion und Ergebnis einer Application in einer Anderen einzubetten (Host Application)
- Für den Benutzer sieht es so aus, als wenn diese 3rd Party Application direkt aus dem Anwendungskontext benutzt wird





Embedded Experience

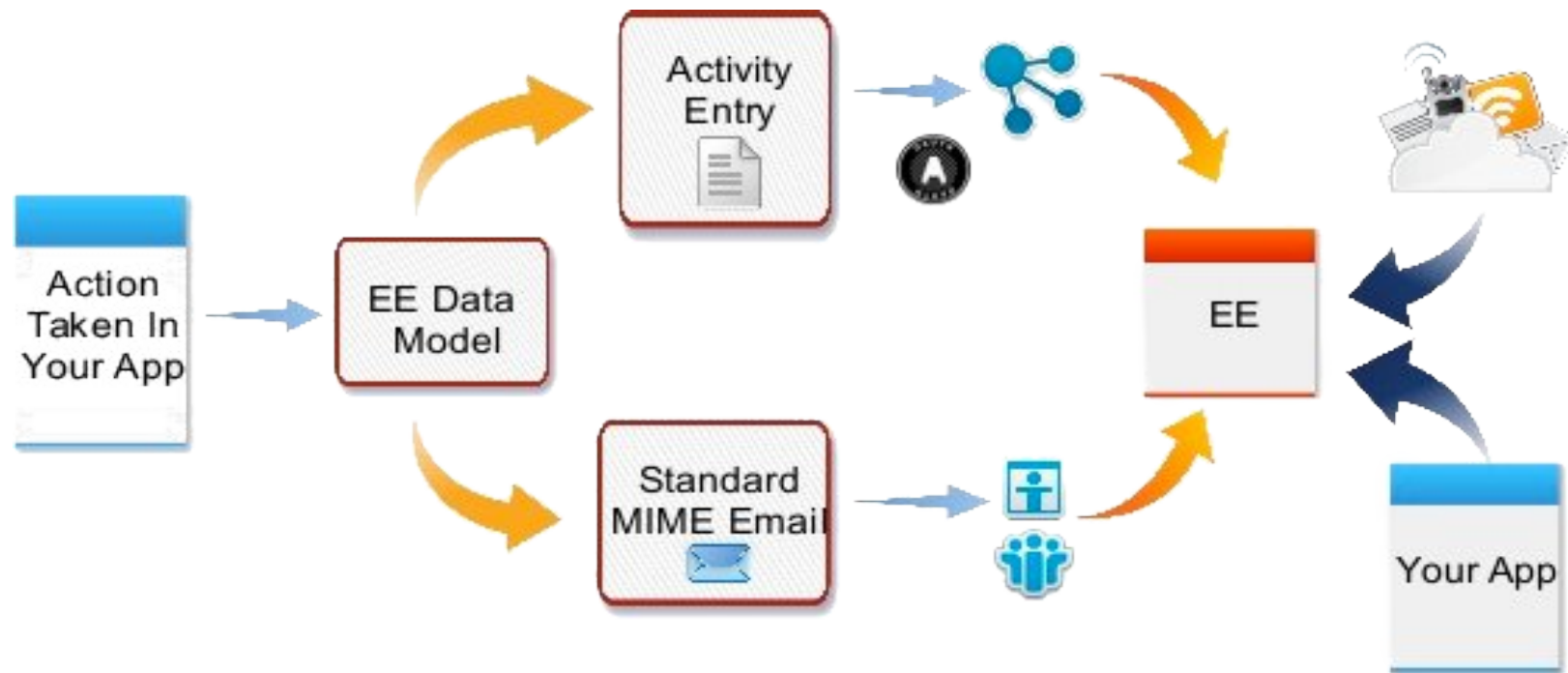
- Benachrichtigung heute





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: `tel 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: tel 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.commons_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

About IBM Notes

IBM Notes 9
Social Edition

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

Licensed Materials - Property of IBM Corp. © Copy Corporation and by other(s). IBM, the IBM logo, Lo of IBM Corporation, registered in many jurisdictions

This product is Built on Eclipse™ (<http://www.eclipse.org>)

About IBM Notes Components

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
OpenSocial	9.0.20131022-1138	install
IBM Connections Plug-ins f...		install
ExtLibAddOn		install
com.ibm.domino.das.feature		install
org.apache.wink.feature		install

Feature Details Plug-in Details Configuration Details **Component Details** 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.stoepe.local/fiesta/gadgets/oauth2callback","d:\temp\ee")
 - NotesRegistrar.registerGadgets("NotesOSCSSL","Notes OpenSocial Component SSL","https://mail.stoepe.local/fiesta/gadgets/oauth2callback","d:\temp\ee2","true")
- Dateien aus d:\temp\ee bzw. ee2 zum IBM Notes Client kopieren



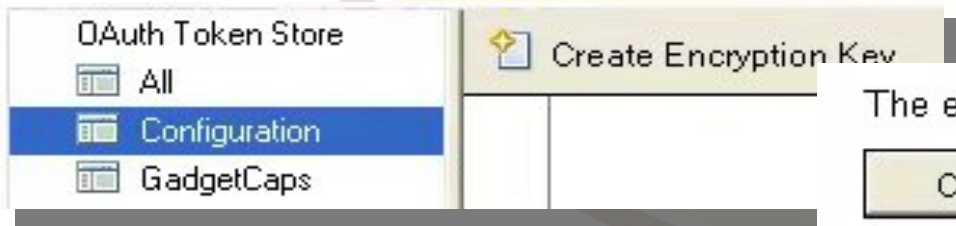
Konfiguration IBM Connections

- 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)

Credential Store Database:

<input checked="" type="checkbox"/> CalcTags	Server Name:	domino1/srv/stoeps	admin/users/stoeps
<input checked="" type="checkbox"/> CreateStatisticR			admin/users/stoeps
<input checked="" type="checkbox"/> PushToCredStore			o1/srv/stoeps
<input checked="" type="checkbox"/> RmDupRatingR2F	NSF Name:	IBM_CredStore\credstore.nsf	Notes Template Develop...



Managed Account für Shindig

- Um als Notes User an Shindig authentifizieren zu können

The screenshot shows the Domino Directory interface. On the left, the 'Accounts' folder is highlighted in the sidebar. 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:	Shindig
Account description:	Embedded Experience User
Account type:	Other
Account server name:	http://domino1.stoeeps.local/fiesta/container <input type="checkbox"/> Editable
Protocol:	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.stoepe.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:		<input type="checkbox"/> Editable
Authentication URL:		<input type="checkbox"/> Editable
Authentication Type:	DOMINO-SSO	<input type="checkbox"/> Editable
Enforce SSL:	Yes	<input type="checkbox"/> Editable
Enforce trusted sites:	Yes	<input type="checkbox"/> 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.stoepts.local:80/fiesta](http(s)://mail.stoepts.local:80/fiesta)
 - Actions: GET, POST
 - Cookies: DomAuthSessId, LtpaToken, LtpaToken2

IBM Notes

 **White-list rule to add or modify**

Context:

URL:

Actions:

Cookies:

Mime-types:

Headers:

Add/Modify Value >>

<< Remove

<< Remove all

Add these white-list rules for proxy servlets:



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

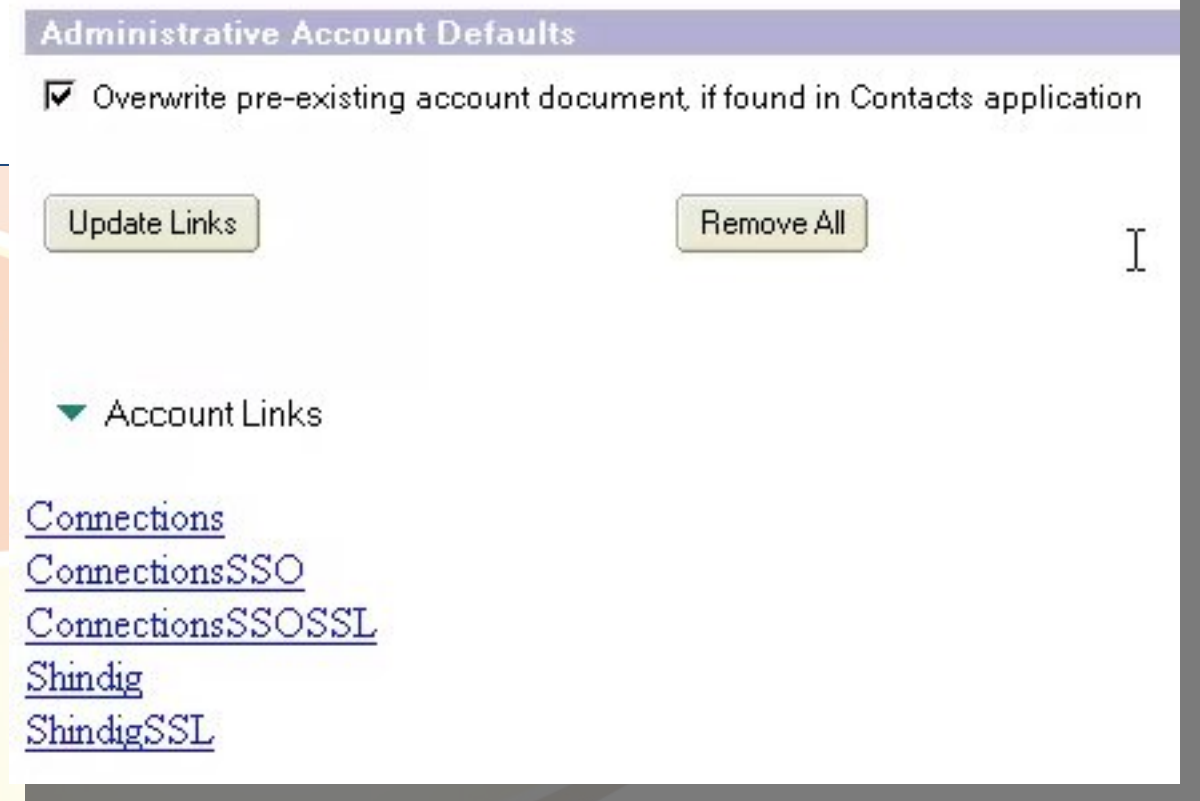
Widget Settings

Widget catalog server:	domino1/srv/stoeeps
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.stoeeps.local:80/fiesta
Gadget Cache URL:	



Policy: Desktop Settings (2)

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



Notes.ini | Locations | Managed Settings |

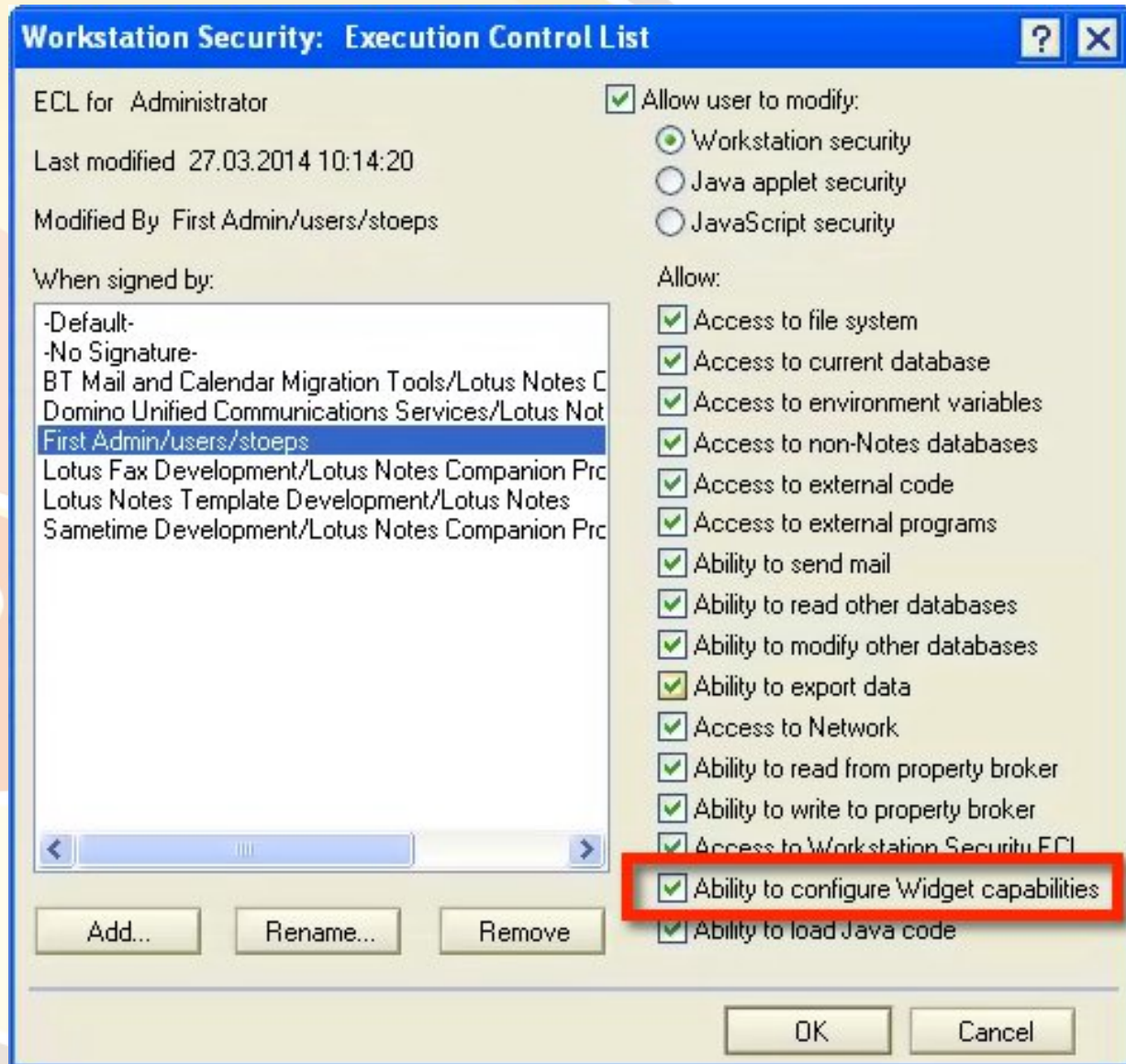
Add these Notes.ini settings to users' d

Enable_EE=1, Enforce: SetOnce



Policy: Security Settings

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





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.stoepe.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	
Basics	
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

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

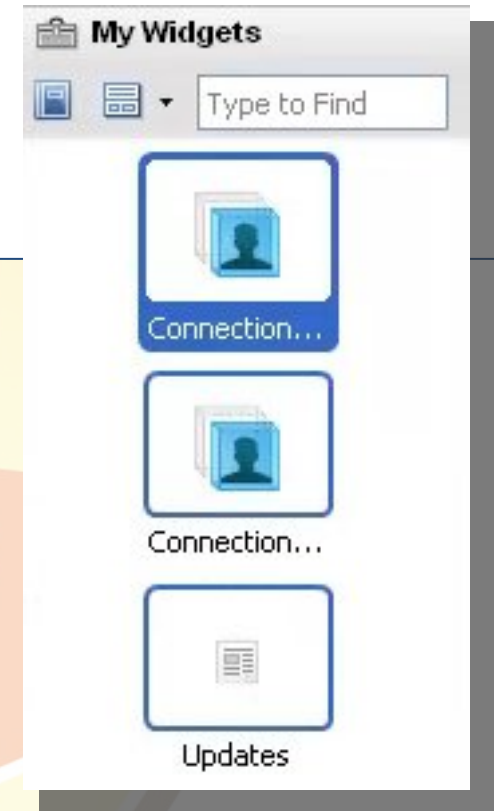
Import Open Add Widget to Catalog				
	Modified	Date ^	Categories ◇	Title ◇
	19.09.2014 15:17:02	19.09.2014	ibmctx	Connections EE Gadget
	19.09.2014 13:09:18	19.09.2014	ibmctx	Connections EE Gadget
	19.09.2014 13:08:36	19.09.2014	ibmctx	Updates
	22.07.2014 09:41:58	02.04.2014	Ytria	Ytria Designer Widget



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)



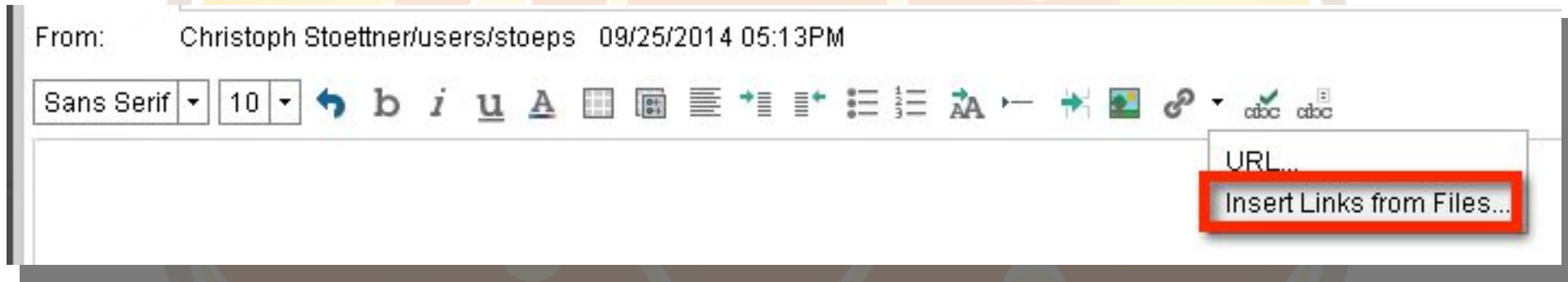
File Name

Installation Anleitung IBM Docs 1.0.4 Deployment - V



Integration Connections Files

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

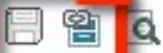


Test with attachment

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:	http://cnxwin5.stoepe.local
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:	http://cnxwin5.stoepe.local/files
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

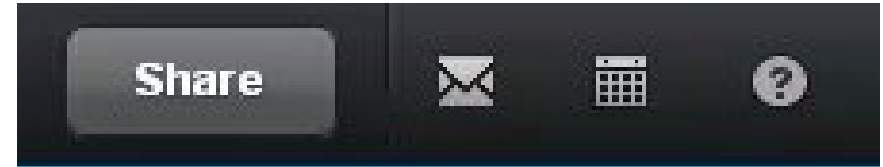
- Kopieren aus Connections Mail Installationsverzeichnis
 - socialmail-discovery-config-template.xml
 - socialmail-discovery-config.xsd
 - Ziel:
WAS_ROOT\profiles\Dmgr01\config\cells\<zelle>\LotusConnections-config
- socialmail-discovery-config-template.xml umbenennen
 - socialmail-discovery-config.xml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

```
<discovery>  
  <ServerConfig name="inotesredir" enabled="true">  
    <ConfigType>REDIRECT</ConfigType>  
    <RedirectURL>https://mail.stoepts.local/iwaredir.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>`

```
- <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>

- <profiles>
  <baseURL enabled="true">http://cnxwin5.stoeps.local/profiles</baseURL>
  <secureURL enabled="true">https://cnxwin5.stoeps.local/profiles</secureURL>
```



Embedded Experience mit Connections Mail

The screenshot displays the IBM Connections Mail interface. On the left is a sidebar with a list of messages. The selected message is highlighted with a red box and contains the following text:

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

The main content area shows the details of the selected message:

- Buttons: Reply, Forward, Mark as Unread, Move to..., Delete
- Star icon and subject: [Profiles] First Admin commented on a message you posted to First Admin
- Sender: First Admin (profile icon), To: Christoph.Stoettner@stoeps.local
- Date: Sep 3 5:54 PM
- Message body:
 - 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.

At the bottom of the sidebar, there is a link to "Load more messages".



Troubleshooting



Fehlersuche

- Zentraler Startpunkt:
 - 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





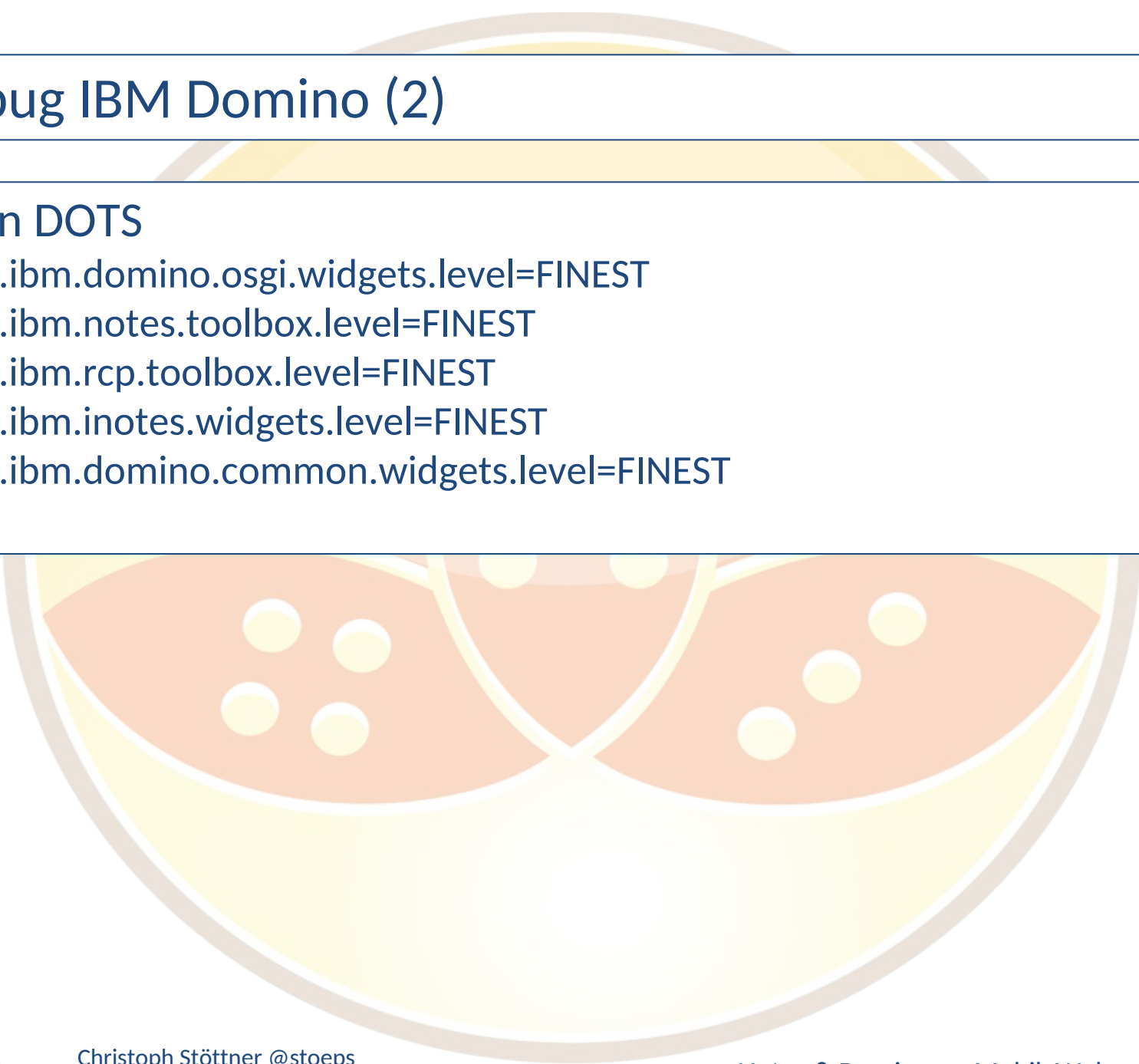
Debug IBM Domino

- `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`

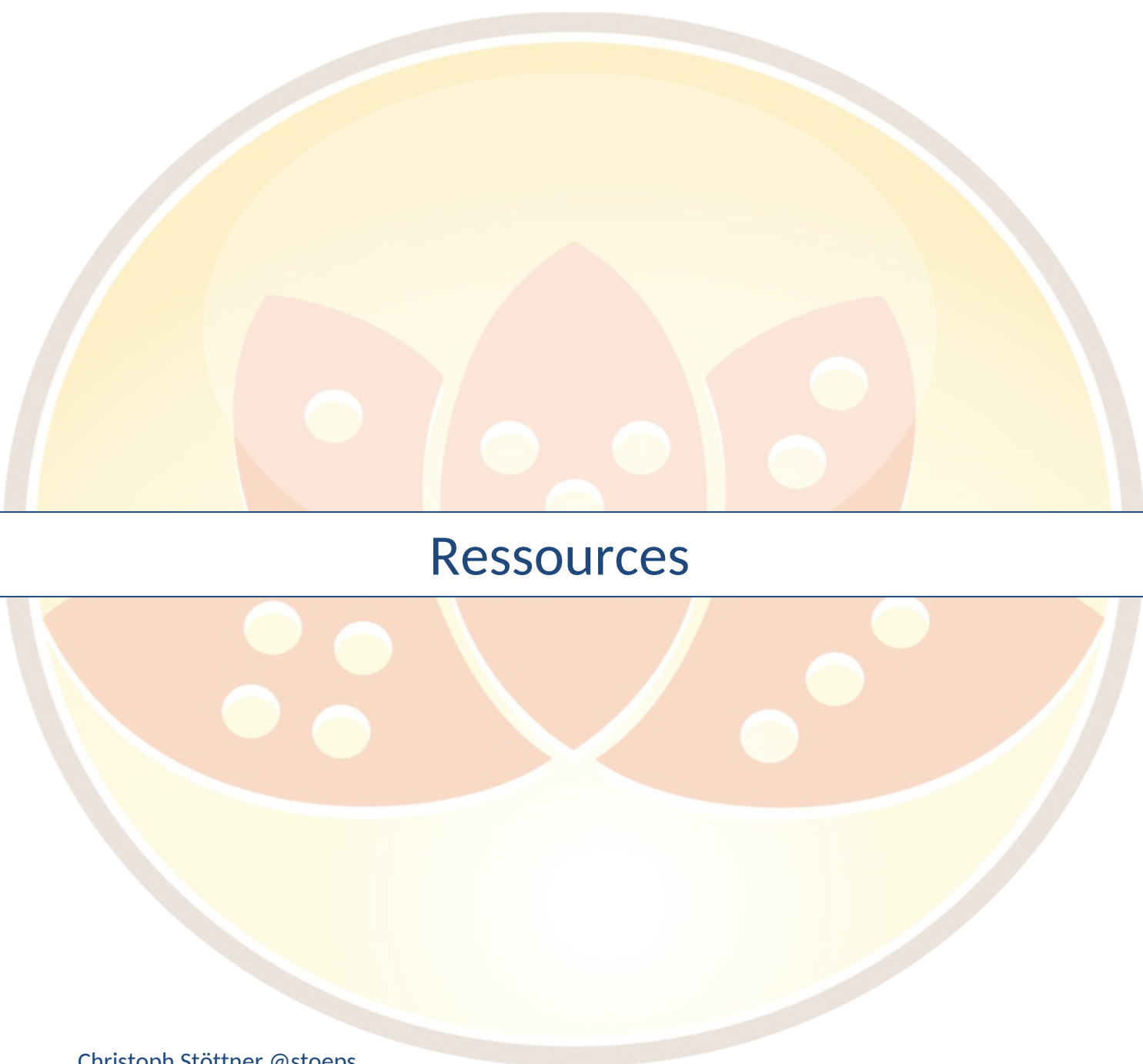




Debug IBM Domino (2)

- **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.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>



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

<http://about.me/stoeps>

<http://scripting101.org>

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