

ownCloud Sync

Meine Daten gehören mir!

Dr. Markus Tauber, AIT, ICB

www.icb.at

www.ait.ac.at/ict-security

www.markus.tauber.co.at

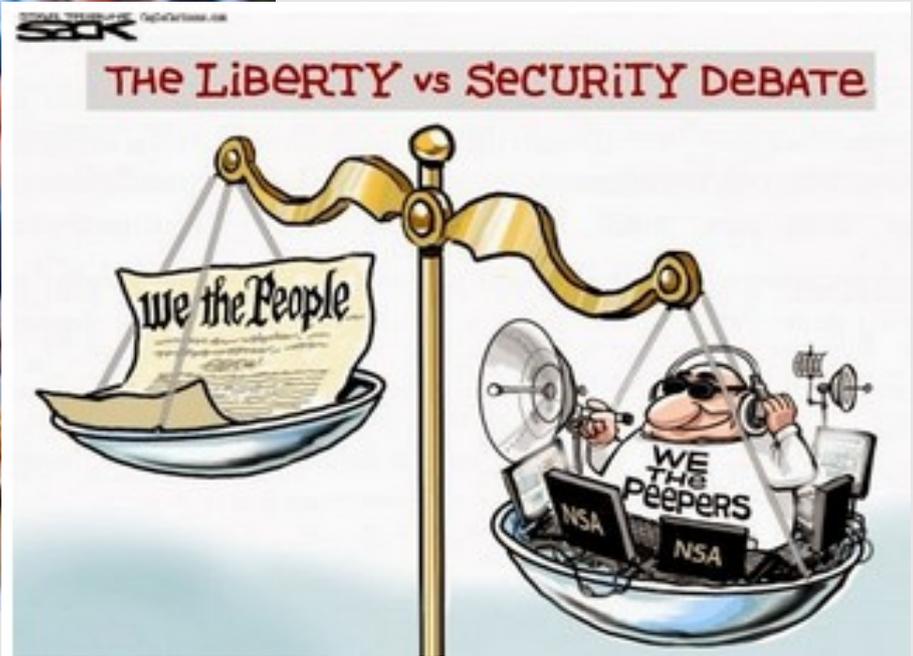
markus@tauber.co.at



Übersicht

- Warum alternative „cloud“ Dienste wählen?
- Was ist ownCloud ?
- Wie wirds gemacht? Praktische Schritt für Schritt Anleitungen
 - Sync zw. Server, Smart Phone & Laptop
 - Adressbuch
 - Kalender
 - Dateien
- Weitere Features

Staatlicher Lauschangriff



Kommerzieller Lauschangriff



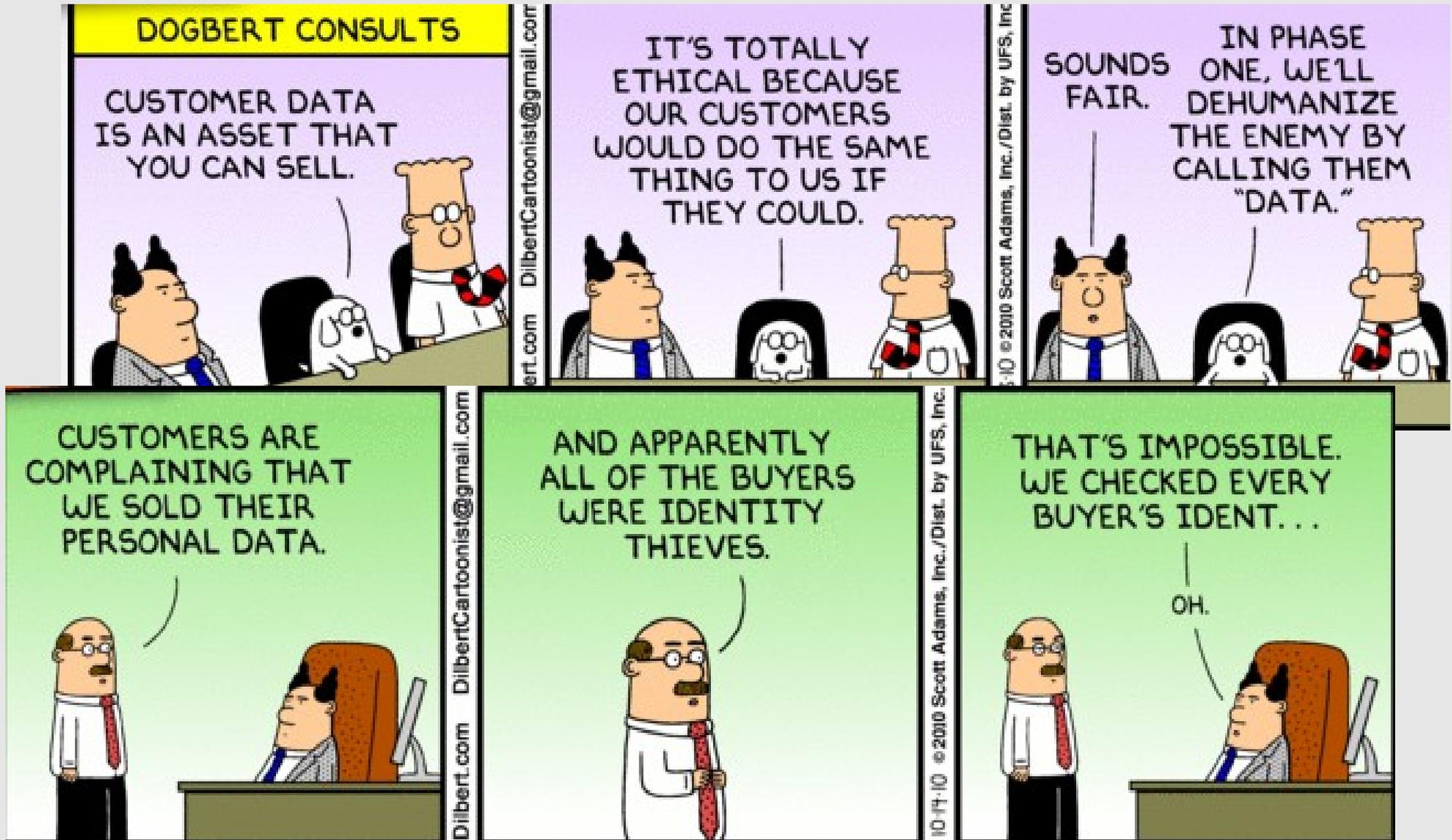
Persönliche Daten werden in Infrastruktur „Dritter“ abgelegt und können von diesen auch kommerziell verwertet werden

Kommerzieller Lauschangriff



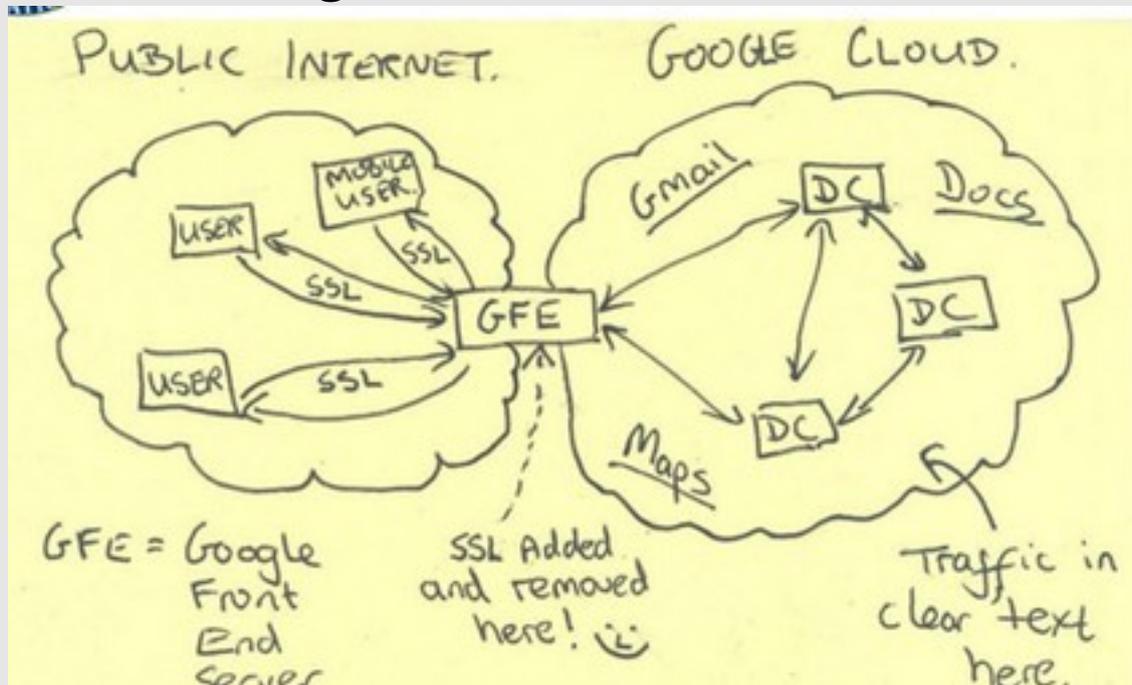
- Persönliche Daten werden in Infrastruktur „Dritter“ abgelegt und können von „Dritten“ auch kommerziell verwertet werden
- Kommerzielle Nutzung kann Security Soll-Bruchstellen darstellen

Kommerzieller Lauschangriff

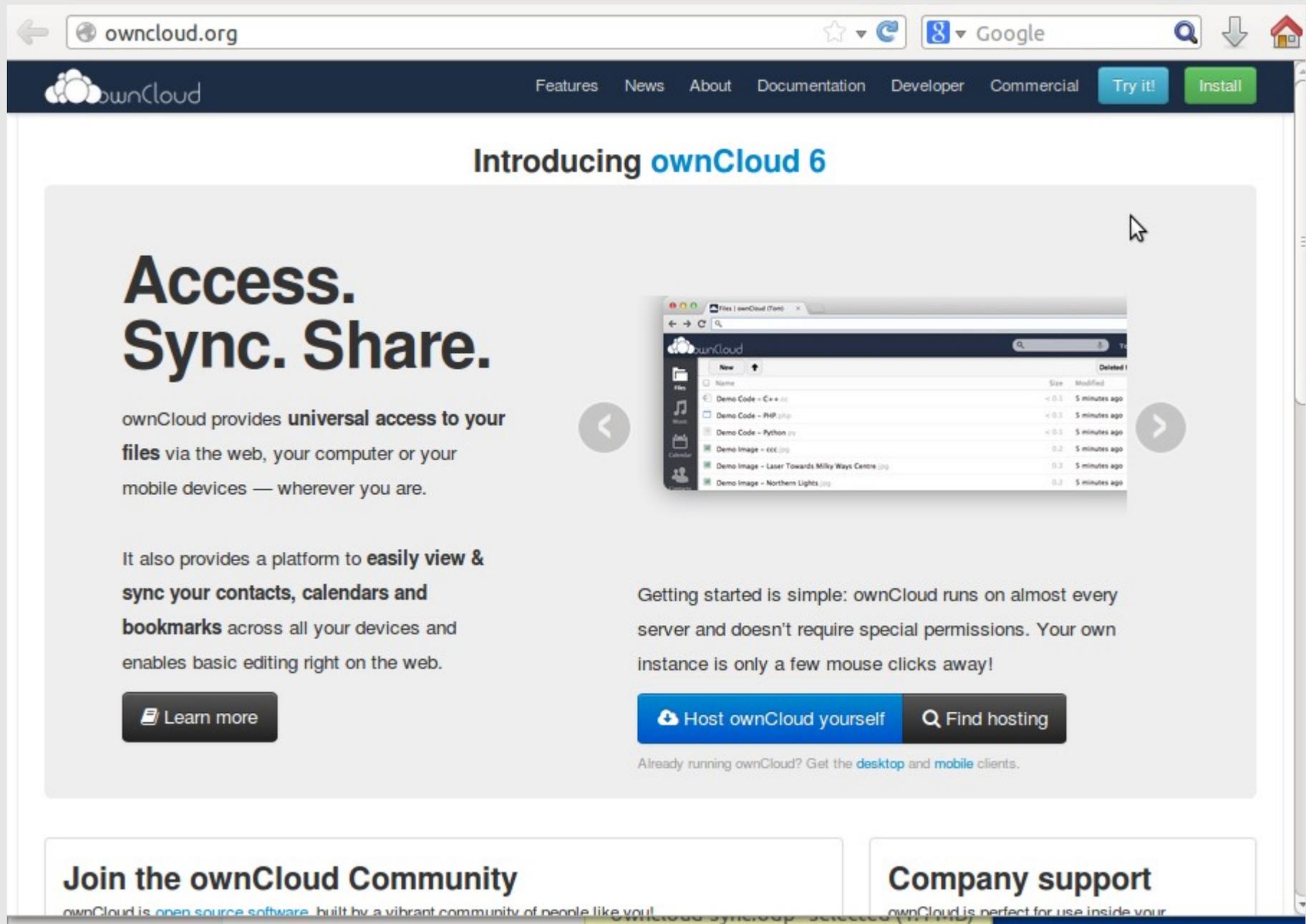


Generelle Chancen?

- Mehr Augen sehen mehr - Open Source kann (theoretisch...) mehr Sicherheit bringen
- Nutzung „lokaler Infrastruktur“ anstatt globale Infrastruktur – erschwert das Sammeln von Infos von „einem zentralem Benutzerprofil“ - außerdem: Förderung der lokalen Wirtschaft



ownCloud



The image is a screenshot of a web browser displaying the ownCloud website. The browser's address bar shows 'owncloud.org'. The website's navigation bar includes links for 'Features', 'News', 'About', 'Documentation', 'Developer', and 'Commercial', along with 'Try it!' and 'Install' buttons. The main heading reads 'Introducing ownCloud 6'. The primary message is 'Access. Sync. Share.', followed by text stating that ownCloud provides universal access to files via the web, computer, or mobile devices. A secondary message highlights the ability to view and sync contacts, calendars, and bookmarks. A central image shows a file manager interface with a table of files. Below this, text explains that getting started is simple and that ownCloud runs on almost every server. Two buttons offer options to 'Host ownCloud yourself' or 'Find hosting'. A footer section contains two boxes: 'Join the ownCloud Community' and 'Company support'.

owncloud.org

ownCloud

Features News About Documentation Developer Commercial Try it! Install

Introducing ownCloud 6

Access. Sync. Share.

ownCloud provides **universal access to your files** via the web, your computer or your mobile devices — wherever you are.

It also provides a platform to **easily view & sync your contacts, calendars and bookmarks** across all your devices and enables basic editing right on the web.

Getting started is simple: ownCloud runs on almost every server and doesn't require special permissions. Your own instance is only a few mouse clicks away!

[Host ownCloud yourself](#) [Find hosting](#)

Already running ownCloud? Get the [desktop](#) and [mobile](#) clients.

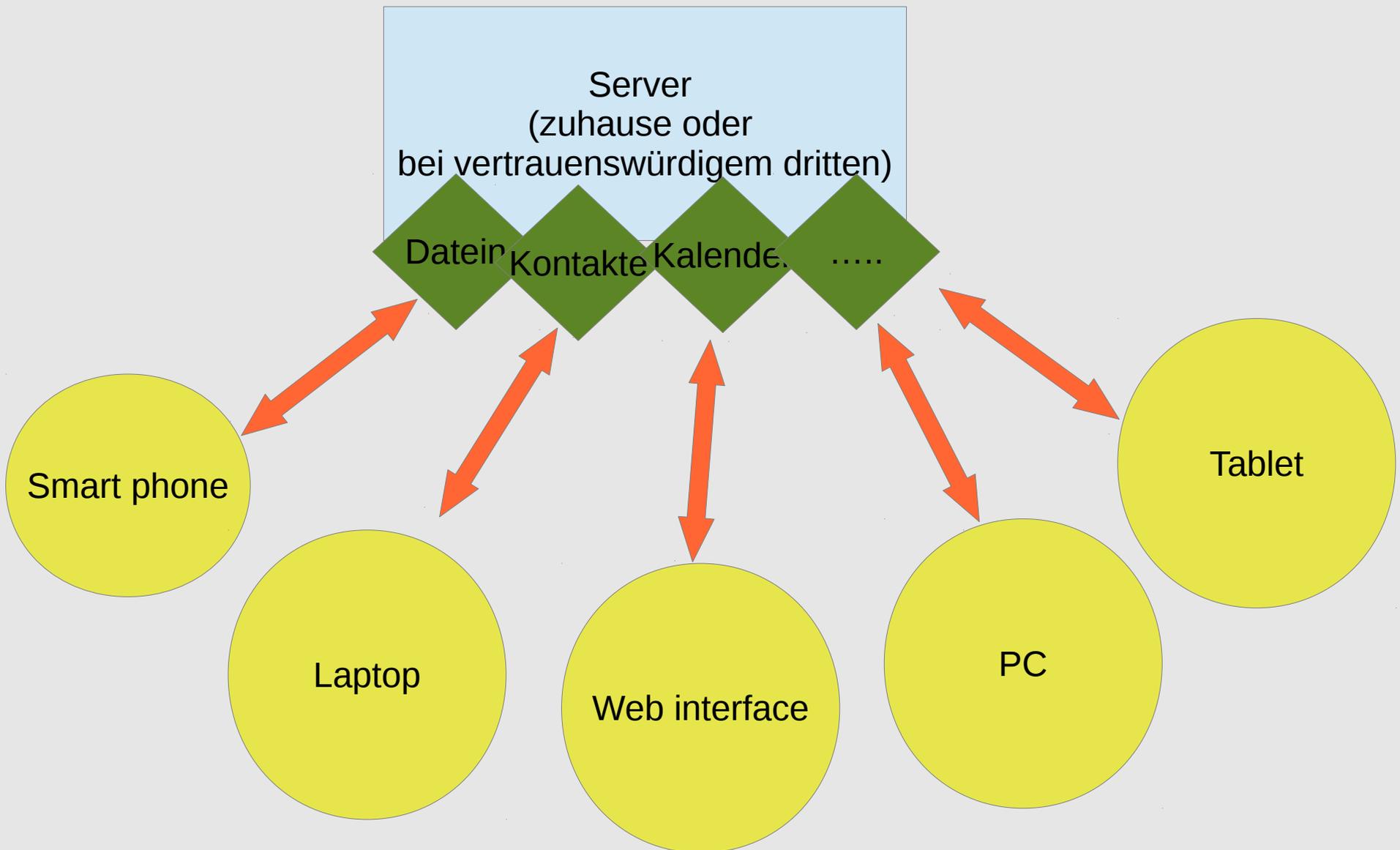
Join the ownCloud Community

ownCloud is [open source software](#), built by a vibrant community of people like you!

Company support

ownCloud is perfect for use inside your

ownCloud Usage



Benutzer anlegen

The screenshot shows the ownCloud user management interface. At the top, the browser address bar displays the URL `https://owncloud.icb.at/index.php/settings/users`. The main interface features a dark sidebar on the left with navigation icons for Files, Activity, and Documents. The central area contains a form for creating a new user. The form fields are: Username: `toni`; Password: masked with dots; Group: `guest` (selected from a dropdown menu). A `Create` button is visible to the right of the form. Below the form, a table lists existing users with their avatars, usernames, full names, and assigned groups.

	Username	Full Name	Group
	admin	adm	admin
	anneluise	Anne	guest
	arnold	Arnold	guest
	artemis	artemis	guest

webinterface

The image shows a screenshot of a Mozilla Firefox browser window displaying the ownCloud web interface. The browser's address bar shows the URL `https://owncloud.icb.at`. The page features the ownCloud logo, which consists of a cluster of white circles of varying sizes above the text "ownCloud". Below the logo is a login form with two input fields: the first contains the username "toni" and the second contains a masked password ".....". A blue "Log in" button is positioned below the password field. At the bottom of the page, the text "ownCloud – web services under your control" is visible. The browser's taskbar at the bottom shows several open applications, including "Unteroffizier - ...", "Sent - Mozilla Th...", "[Update Manager]", "ftw", "markus@marku...", "SIM PIN unlock r...", "Disk Utility", and "ownCloud - Mozi...". The system tray in the top right corner of the browser window displays the time as 9:41 PM and the user name as markus.

webinterface

Files - ownCloud - Mozilla Firefox

Files - ownCloud

https://owncloud.icb.at/index.php/apps/files

ownCloud

Christian Tauber

Name	Size	Modified
documents	22.8 kB	12 minutes ago
music	3.6 MB	12 minutes ago
photos	662.7 kB	12 minutes ago
ownCloudUserManual.pdf	1.5 MB	12 minutes ago
3 folders and 1 file		5.8 MB

https://owncloud.icb.at/index.php/apps/files#

webinterface

The screenshot shows the ownCloud calendar web interface. The browser title is "Calendar - ownCloud - Mozilla Firefox". The address bar shows the URL "https://owncloud.icb.at/index.php/apps/calendar#". The interface includes a sidebar with icons for Files, Activity, Documents, Contacts, and Calendar. The main area displays a calendar for May 2014. A red arrow points to the "Calendar" icon in the sidebar. A settings panel is open on the right side of the calendar, showing options for "Your calendars", "General", "Timezone", "Time format", "Start week on", "Cache", and "URLs".

Day	Mon.	Tue.	Wed.	Thu.	Fri.
	28	29	30	1	2
	5	6	7	8	9
	12	13	14	15	16
	19	20	21	22	23
	26	27	28	29	30
	2	3	4	5	6

Settings

Your calendars:

- Default calendar

New Calendar

<https://owncloud.icb.at/remote.php/calde>

General

Timezone: Abidjan

Update timezone automatically

Time format: 24h

Start week on: Monday

Cache: Clear cache for repeating events

URLs

Calendar CalDAV syncing addresses ([more info](#))

Primary address (Kontakt et al)

<https://owncloud.icb.at/remote.php/caldav/>

iOS/OS X

<https://owncloud.icb.at/remote.php/caldav/princi>

webinterface

The screenshot shows the ownCloud calendar web interface in Mozilla Firefox. The browser address bar displays `https://owncloud.icb.at/index.php/apps/calendar#`. The interface includes a sidebar with navigation icons for Files, Activity, Documents, Contacts, and Calendar. The main area shows a calendar grid for the month of January. A settings panel is open on the right, displaying options for 'Your calendars', 'General', 'Cache', and 'URLs'. Annotations include a red arrow pointing to the 'Calendar' icon in the sidebar, and purple arrows pointing to the settings gear icon and the 'New Calendar' section.

Konfiguration +
Links für (Laptop)
Client

Kalender

webinterface

Contacts - ownCloud - Mozilla Firefox

Contacts - ownCloud

https://owncloud.icb.at/index.php/apps/contacts/#

ownCloud

Christian Tauber

+ New Contact

+ New Group

All 0

Not grouped

Contacts

Address books

Contacts

+ Add Address Book

Import

CardDAV link

Kontakte

Own Cloud Tester	m.tauber@icb.at	06643126931
own cloud tester 2	markus@tauber.co.at	

webinterface

Contacts - ownCloud - Mozilla Firefox

Contacts - ownCloud

https://owncloud.icb.at/index.php/apps/contacts/#

ownCloud

Christian Tauber

+ New Contact		
+ New Group		
All		0
Not grouped		

Own Cloud Tester	m.tauber@icb.at	06643126931
own cloud tester 2	markus@tauber.co.at	

Address books

- Contacts

+ Add Address Book

Import

Kontakte

Konfiguration + Links für (Laptop) Client

webinterface

The screenshot shows the ownCloud web interface in Mozilla Firefox. The browser's address bar displays the URL <https://owncloud.icb.at/index.php/apps/files>. The interface features a dark sidebar on the left with various application icons, including 'Files', 'Activity', 'Documents', 'Contacts', and 'Calendar'. A large red arrow points to the 'Files' icon in the sidebar. The main content area displays a list of files and folders. The 'music' folder is selected, showing options for 'Rename', 'Download', and 'Share'. The list includes folders 'documents' (22.8 kB, 12 minutes ago), 'music' (3.6 MB, 12 minutes ago), and 'photos' (662.7 kB, 12 minutes ago), along with a file 'ownCloudUserManual.pdf' (1.5 MB, 12 minutes ago). A summary row indicates '3 folders and 1 file' with a total size of 5.8 MB. The browser's status bar at the bottom shows the URL <https://owncloud.icb.at/index.php/apps/files#>.

	Size	Modified
documents	22.8 kB	12 minutes ago
music	3.6 MB	12 minutes ago
photos	662.7 kB	12 minutes ago
ownCloudUserManual.pdf	1.5 MB	12 minutes ago
3 folders and 1 file	5.8 MB	

Einrichten am laptop

- Linux Ubuntu 12.04 LTS
- Thunderbird
- Lightning
- SOGo
- Zeit

Laptop::Kalender

Add-ons Manager - Mozilla Thunderbird

toni@icb.at Add-ons Manager

← → 🔧 sogo 🔍

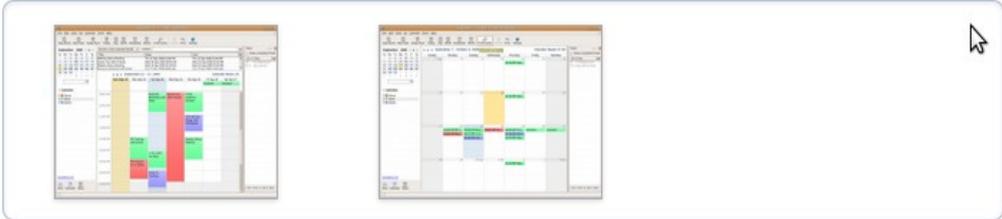
Events 18 Sun May 2014, CW 21
New Event
Today
Tomorrow
Soon

Get Add-ons
Extensions
Appearance
Plugins
Languages

Lightning 2.6.5 [Back to Add-ons](#)
by Mozilla Calendar Project

Organize your schedule and life's important events in a calendar that's fully integrated with your Thunderbird email. Manage multiple calendars, create your daily to do list, invite friends to events, and subscribe to public calendars.

[Add to Thunderbird](#) [Learn More](#)



Rating ★★★★☆ 1,624 reviews

Active Users 1,273,178

Last Updated May 14, 2014

Website <http://www.mozilla.org/projects/calendar/>

Reviews

Very useful addon
Very useful addon for Thunderbird but still there is a room for improvement. In order to integrate with Google calendar it requires Provider for Google calendar addon.

★★★★☆ by remo_phd9 on May 8, 2014

Today Pane

Laptop::Kalender

Add-ons Manager - Mozilla Thunderbird

toni@icb.at Add-ons Manager

← →

Get Add-ons

Extensions

Appearance

Plugins

Languages

Lightning 2.6.5
by Mozilla Calendar Project

Organize your schedule and life's important events in a multiple calendars, create your daily to do list, invite friends...

[+ Add to Thunderbird](#) [Learn More](#)

Rating ★★★★☆ **1,624 reviews**

Active Users **1,273,178**

Last Updated **May 14, 2014**

Website <http://www.mozilla.org/projects/calendar/>

Reviews

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Very useful add-on for Thunderbird but still there is a room for improvement. In order to integrate with Google calendar it requires Provider for Google calendar add-on.

★★★★☆ by remo_phd9 on May 8, 2014

Events ◀ ▶ ×

18 Sun ◀ ○ ▶
May 2014, CW 21

[New Event](#)

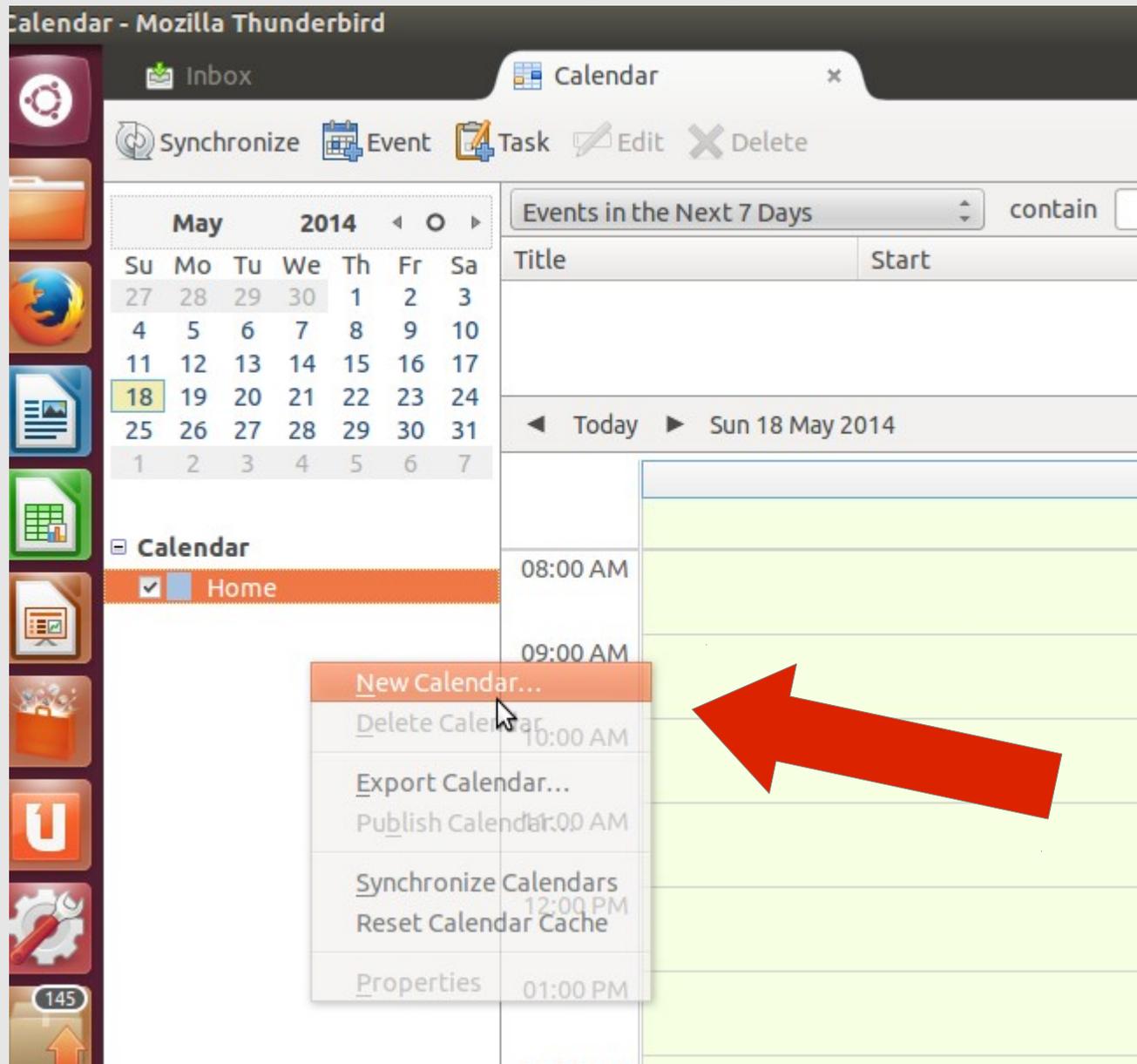
Today

Tomorrow

Soon

Today Pane ▾

Laptop::Kalender



Neuen Own
Cloud Kalender
einrichten

Laptop::Kalender

Create New Calendar

Create a new calendar
Locate your calendar

Title

Your calendar can be stored on your computer or be stored on a server in order to access it remotely or share it with your friends or co-workers.

On My Computer

On the Network

Cancel Next

2014

Tu	We	Th	Fr	Sa
29	30	1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	31
3	4	5	6	7

08:00 AM

09:00 AM

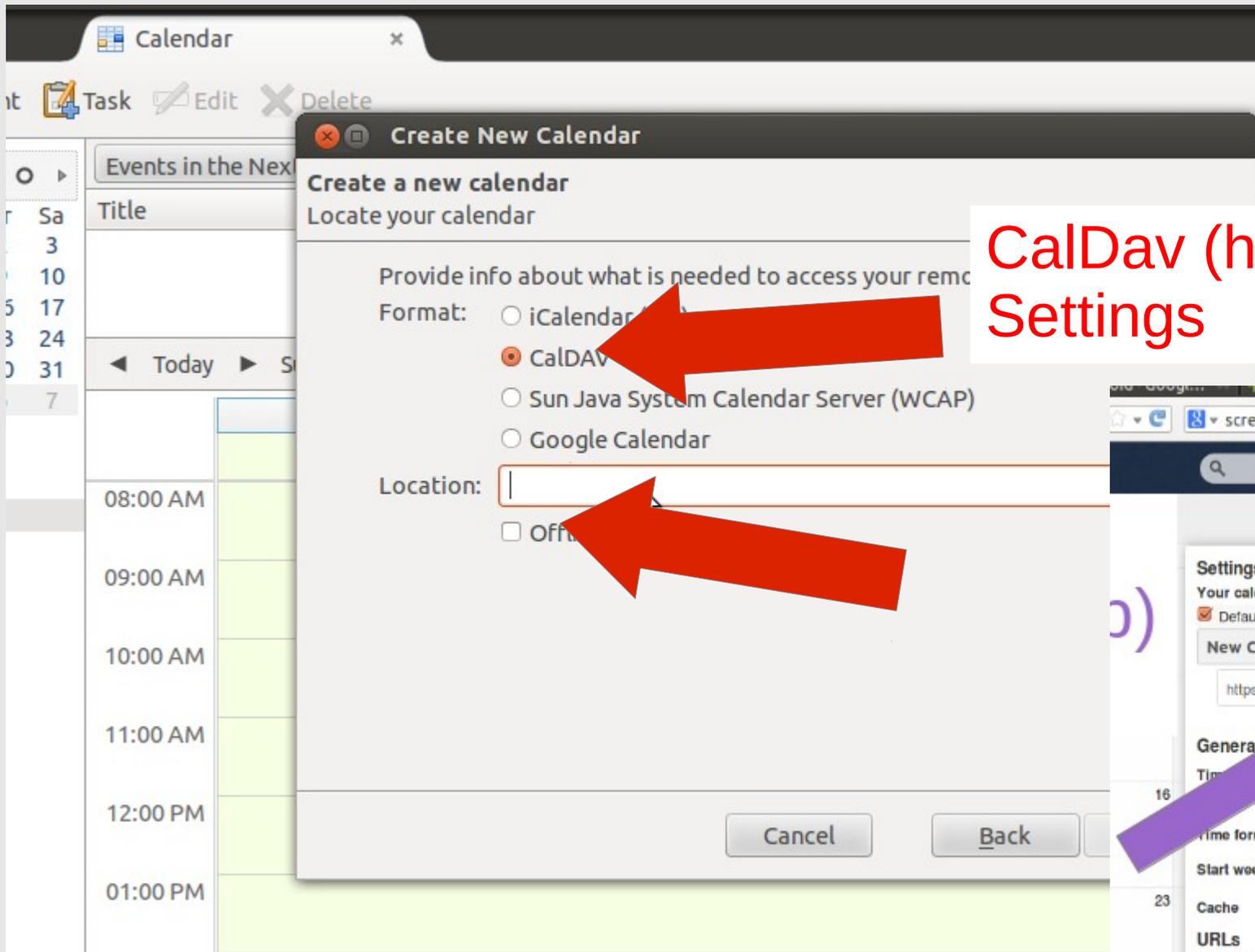
10:00 AM

11:00 AM

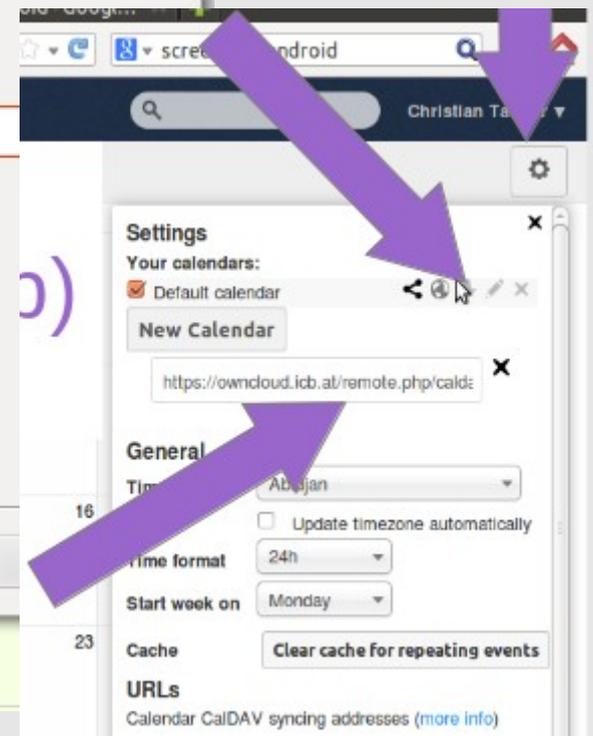
12:00 PM

01:00 PM

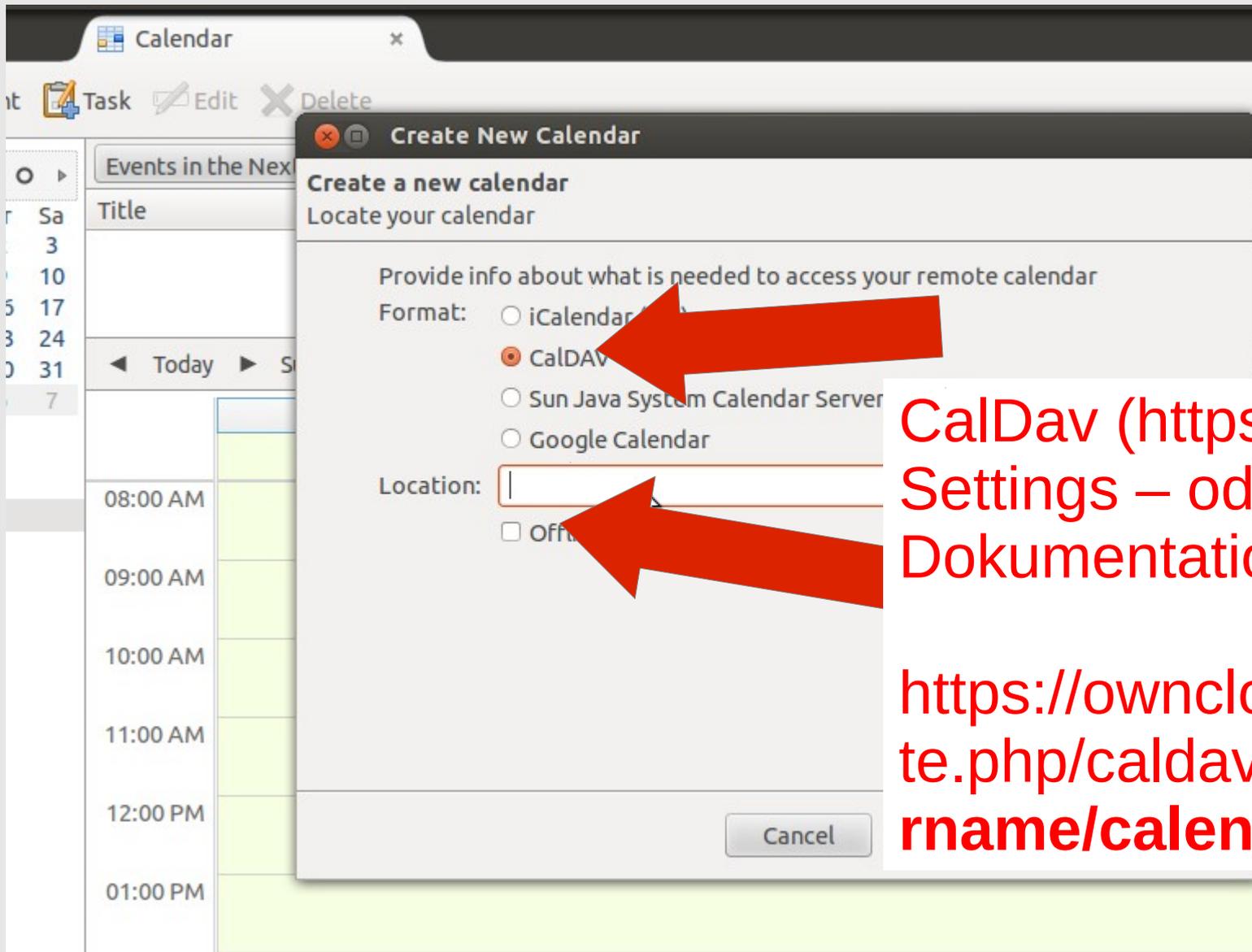
Laptop::Kalender



CalDav (https) URL von Settings



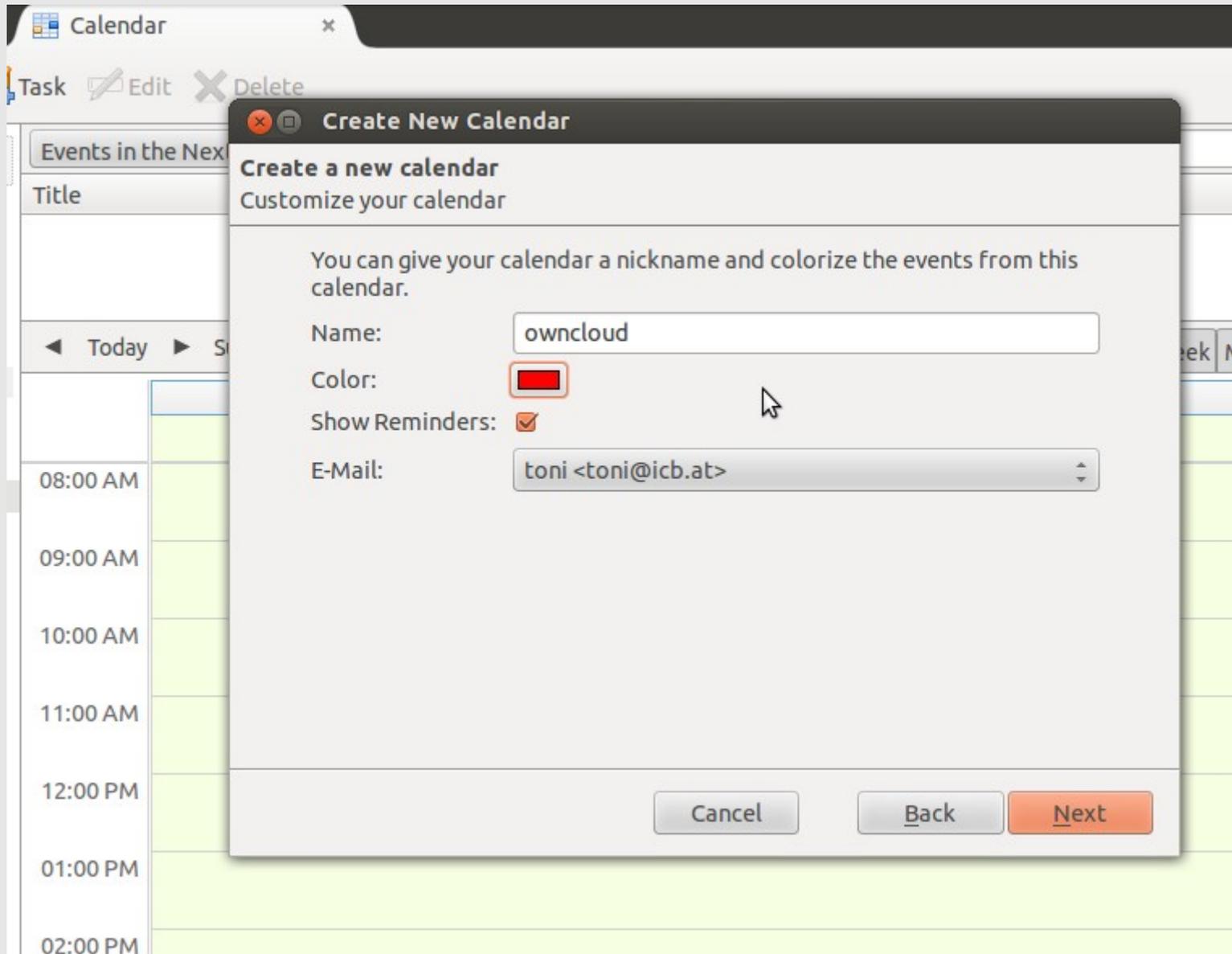
Laptop::Kalender



CalDav (https) URL von
Settings – oder aus der
Dokumentation :)

<https://owncloud.icb.at/remote.php/caldav/calendars/username/calendarname>

Laptop::Kalender



Laptop::Kalender

Calendar - Mozilla Thunderbird

Inbox | Calendar

Synchronize | Event | Task | Edit | Delete

Tasks

Show completed Tasks

Events in the Next 7 Days contain

Title	Start	End	Category
owncloud test	Sun 18 May 2014 11:30 PM	Mon 19 May 2014 12:30 AM	
owncloud test	Sun 18 May 2014 11:30 PM	Mon 19 May 2014 12:30 AM	
Test	Sun 18 May 2014 11:30 PM	Mon 19 May 2014 12:30 AM	

Today Sun 18 May 2014 CW: 21 Day Week Multiweek Month

Sunday May 18

03:00 PM

04:00 PM

05:00 PM

06:00 PM

07:00 PM

08:00 PM

09:00 PM

10:00 PM

11:00 PM

owncloud test | Test

Click here to add a new task

18 Today Pane

Laptop::Kontakte

The screenshot shows the website www.sogo.nu/english/downloads/frontends.html. The navigation menu includes ABOUT, DOWNLOADS (highlighted), BUZZ, TOUR, DEVELOPMENT, and SUPPORT. The main content area is titled "Frontends" and describes the availability of multiple frontends for SGo. A sidebar on the left lists navigation options: Backend, Backend (nightly), Frontends (highlighted), Documentation, and Zero Effort Groupware (ZEG). A red arrow points from the sidebar to the "SOGo Connector Thunderbird extension" download link in the main content area. The extension is version 24.0.4, released on February 20th 2014.

Backend
Backend (nightly)
Frontends
Documentation
Zero Effort Groupware (ZEG)

Frontends

Beside its rich AJAX-based Web interface, multiple frontends are available for SGo.

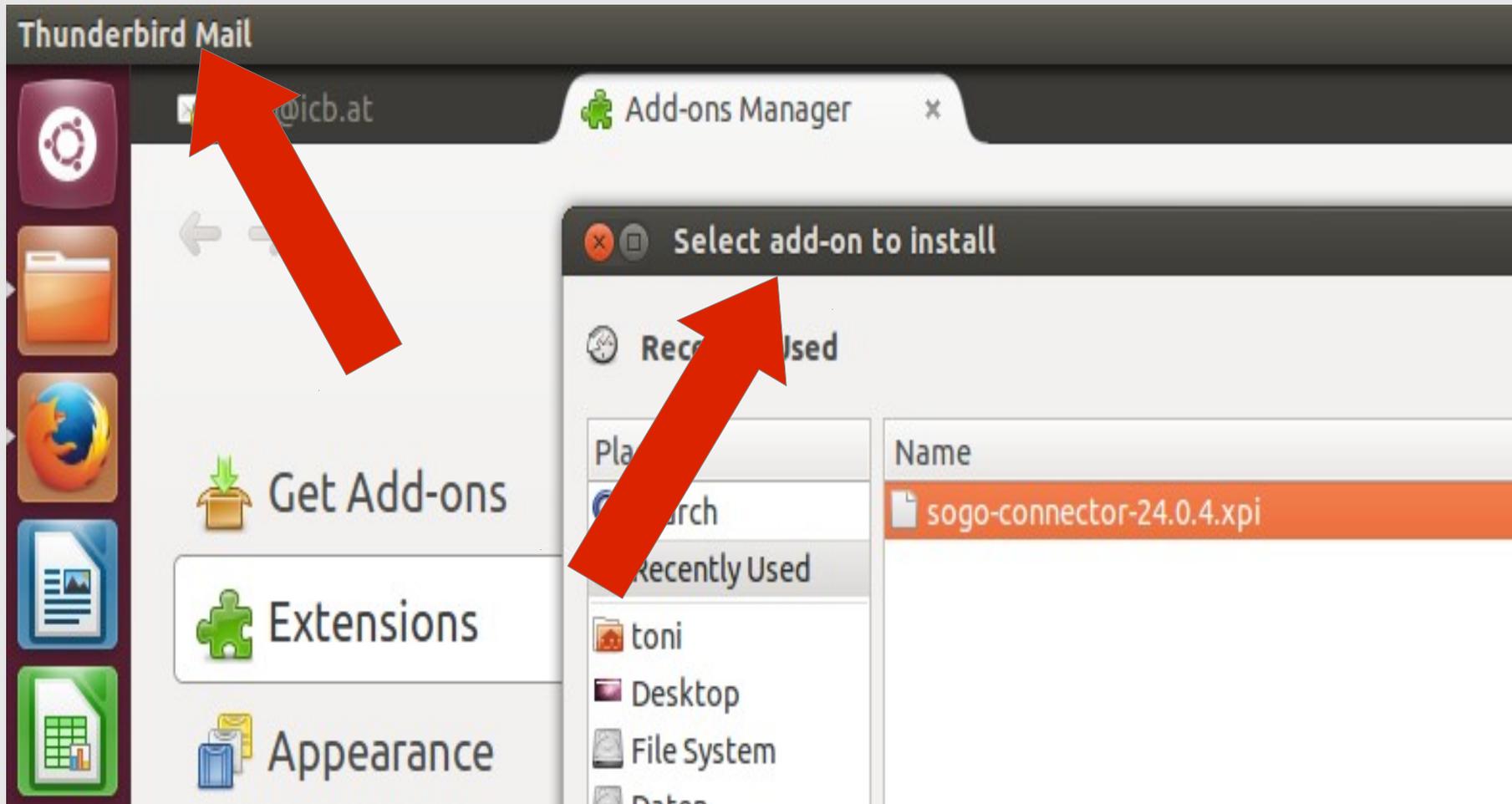
Mozilla Thunderbird 24

 **Mozilla Lightning - Official release 2.6.4**
[Download the official release](#)

 **SOGo Connector Thunderbird extension**
Version 24.0.4 (released on February 20th 2014)

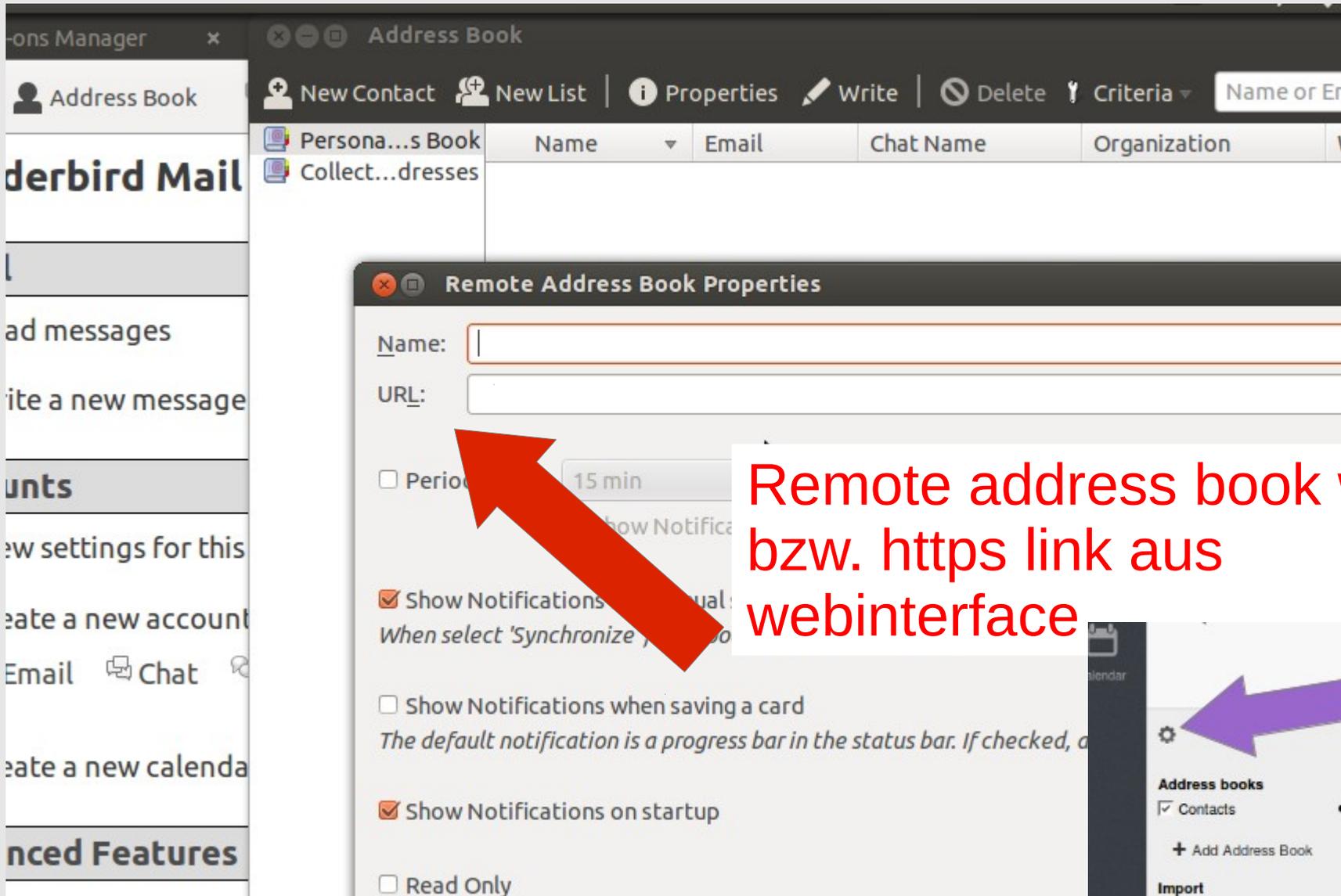
„Frontend!!“ Plugin von www.sogo.nu (für firefox)

Laptop::Kontakte

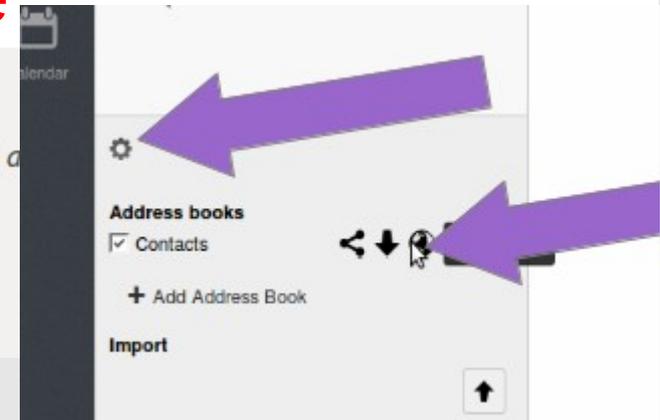


Installation von SOGo „from file“

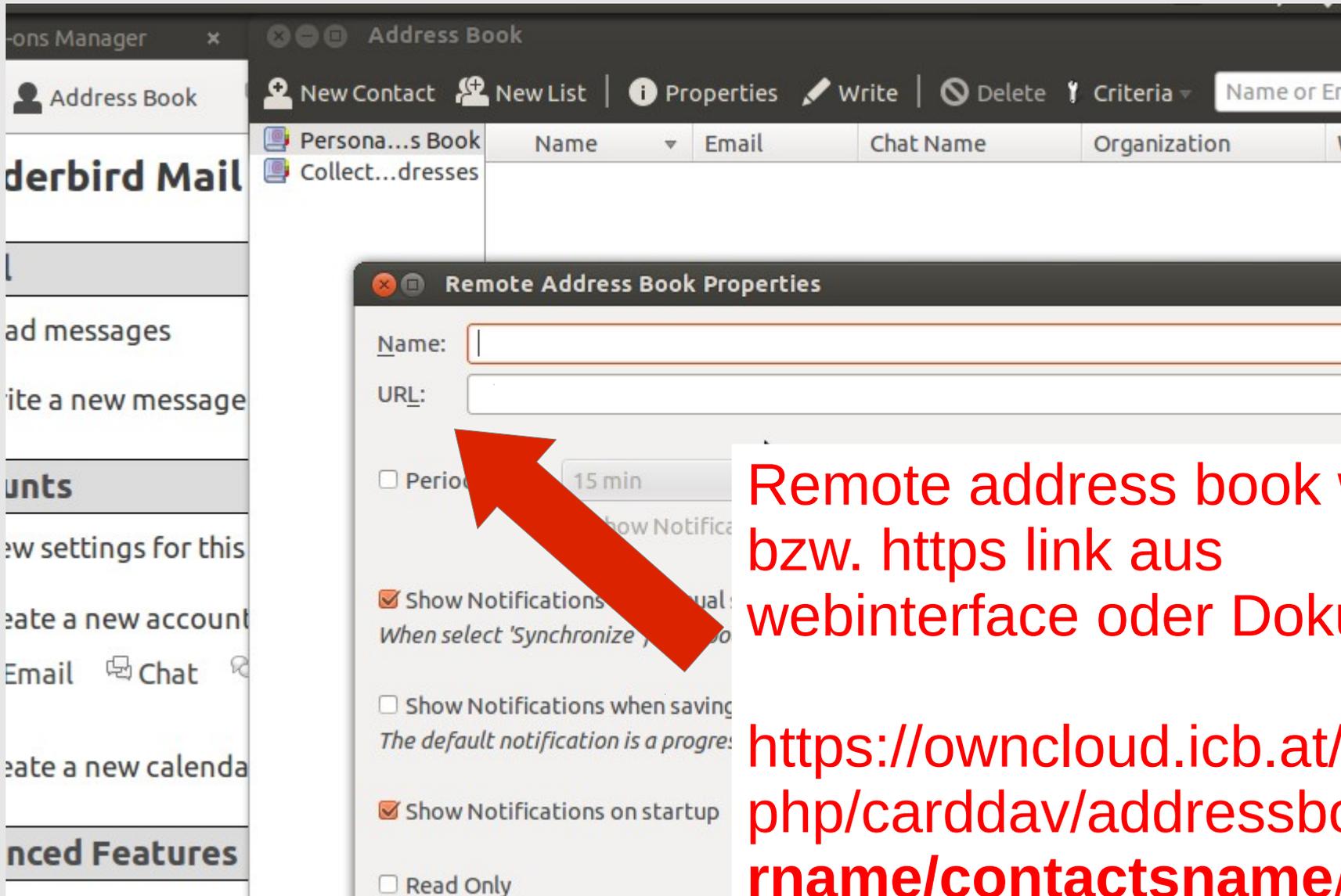
Laptop::Kontakte



Remote address book webdav
bzw. https link aus
webinterface



Laptop::Kontakte



The screenshot shows the Thunderbird Mail interface with the Address Book open. A dialog box titled "Remote Address Book Properties" is overlaid on top. The dialog has the following fields and options:

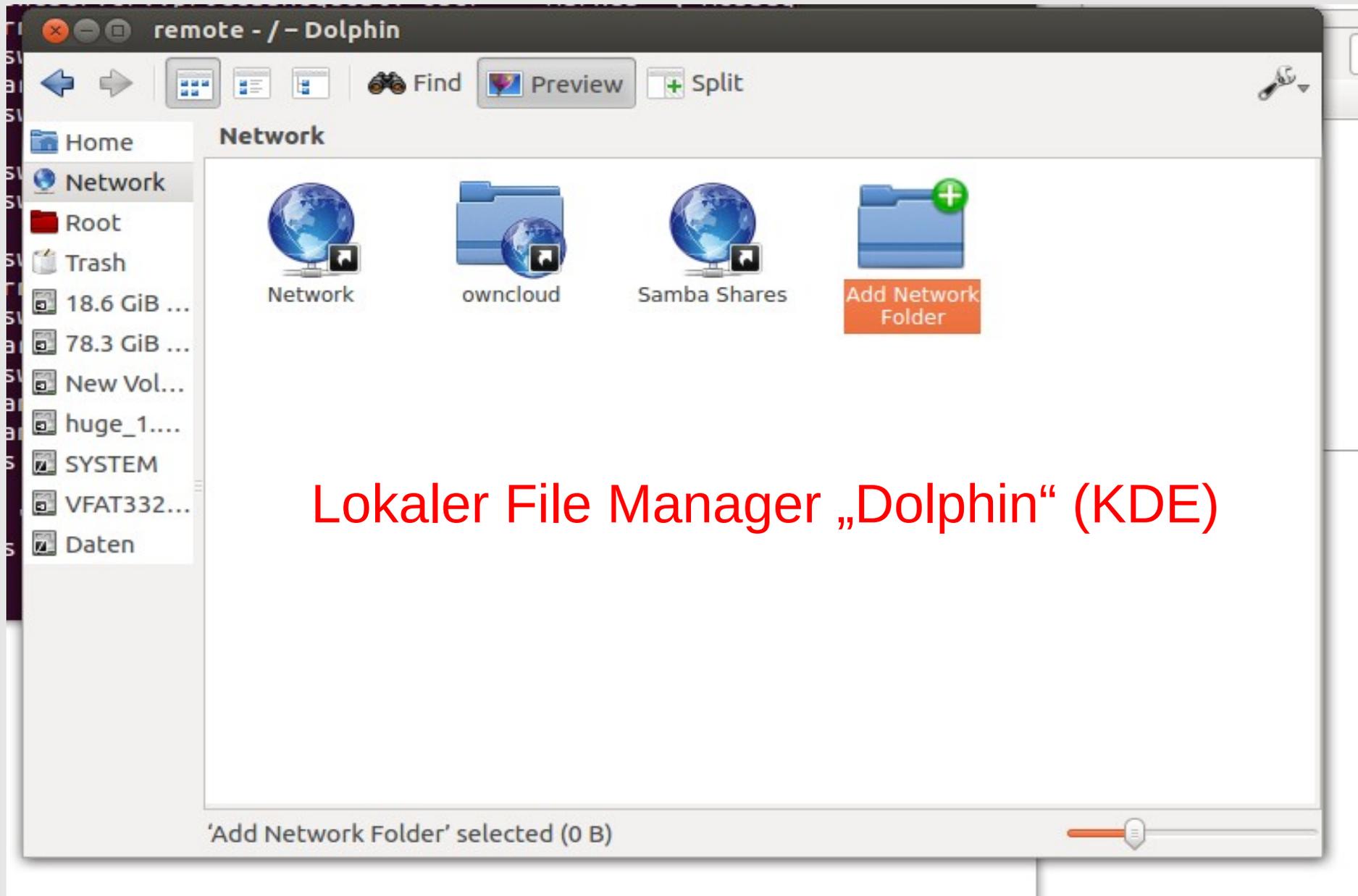
- Name:** [Empty text field]
- URL:** [Empty text field]
- Periodic synchronization (15 min)
- Show Notifications when selecting 'Synchronize'
- Show Notifications when saving
- Show Notifications on startup
- Read Only

A red arrow points from the text box on the right to the "URL:" field in the dialog.

Remote address book webdav
bzw. https link aus
webinterface oder Doku:

<https://owncloud.icb.at/remote.php/carddav/addressbooks/username/contactsname/>

Laptop:Files



Lokaler File Manager „Dolphin“ (KDE)

Laptop:Files

Network Folder Wizard

Network Folder Information

Enter a name for this *WebFolder* as well as a server address, port and folder path to use and press the **Save & Connect** button.

Name:

User:

Server:

Port:

Folder:

Create an icon for this remote folder

Use encryption

Help

webdav URL aus webinterface oder
Doku:

webdavs://markus@owncloud.icb.at:44
3/remote.php/webdav/

Einrichten am Smart Phone

- Samsung Galaxy S2
- Android CyanogenMod
- CalDav
- CardDav
- OwnCloud Client (Kostet ca. 80 Cent)
- Zeit

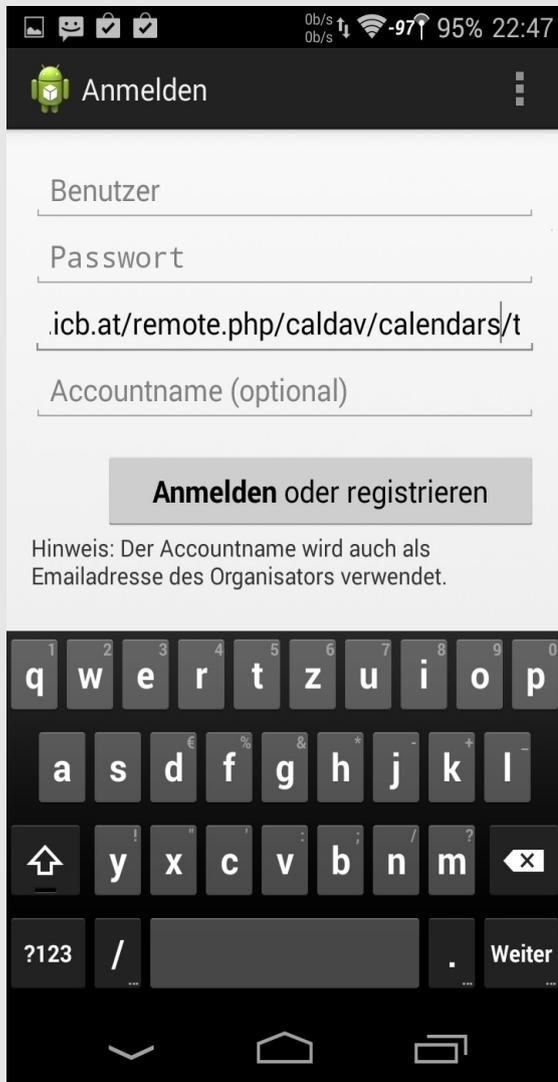
Smart-Phone::Kalender

Cladav
Installation via
Google Play

A screenshot of an Android phone's Google Play Store search results for 'caldav'. The top status bar shows the time as 09:36 and various system icons. Below the search bar, the word 'caldav' is displayed. Underneath, the 'Apps' section lists three results:

- 1. Caldav Sync Free Beta** by 'gege', with a 5-star rating and a green checkmark indicating it is 'INSTALLED'. The icon shows a calendar grid with a circular refresh arrow.
- 2. CalDAV-Sync** by 'Marten Gajda', with a 5-star rating and a price of '€ 2,59'. The icon shows a blue calendar page with the number '25'.
- 3. JB Workaround CalDAV..** by 'Marten Gajda', with a 5-star rating. The icon shows a blue calendar page with the number '25'.

Smart-Phone::Kalender



0b/s ↑ 0b/s ↓ -97% 95% 22:47

Anmelden

Benutzer

Passwort

.icb.at/remote.php/caldav/calendars/t

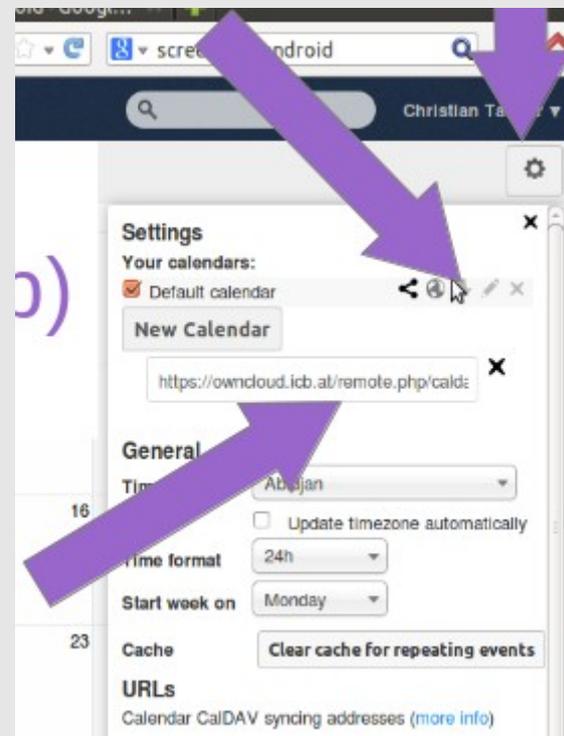
Accountname (optional)

Anmelden oder registrieren

Hinweis: Der Accountname wird auch als Emailadresse des Organisers verwendet.

q w e r t z u i o p
a s d f g h j k l
↑ y x c v b n m ↵
?123 / . Weiter

CalDav (https) URL von Settings



Settings

Your calendars:

Default calendar

New Calendar

https://owndcloud.icb.at/remote.php/caldav

General

Time zone: Abajan

Update timezone automatically

Time format: 24h

Start week on: Monday

Cache: Clear cache for repeating events

URLs

Calendar CalDAV syncing addresses (more info)

Smart-Phone::Kalender

0b/s ↑ 0b/s ↓ -97% 95% 22:47

Anmelden

Benutzer

Passwort

.icb.at/remote.php/caldav/calendars/t

Accountname (optional)

Anmelden oder registrieren

Hinweis: Der Accountname wird auch als Emailadresse des Organisators verwendet.

q w e r t z u i o p

a s d f g h j k l

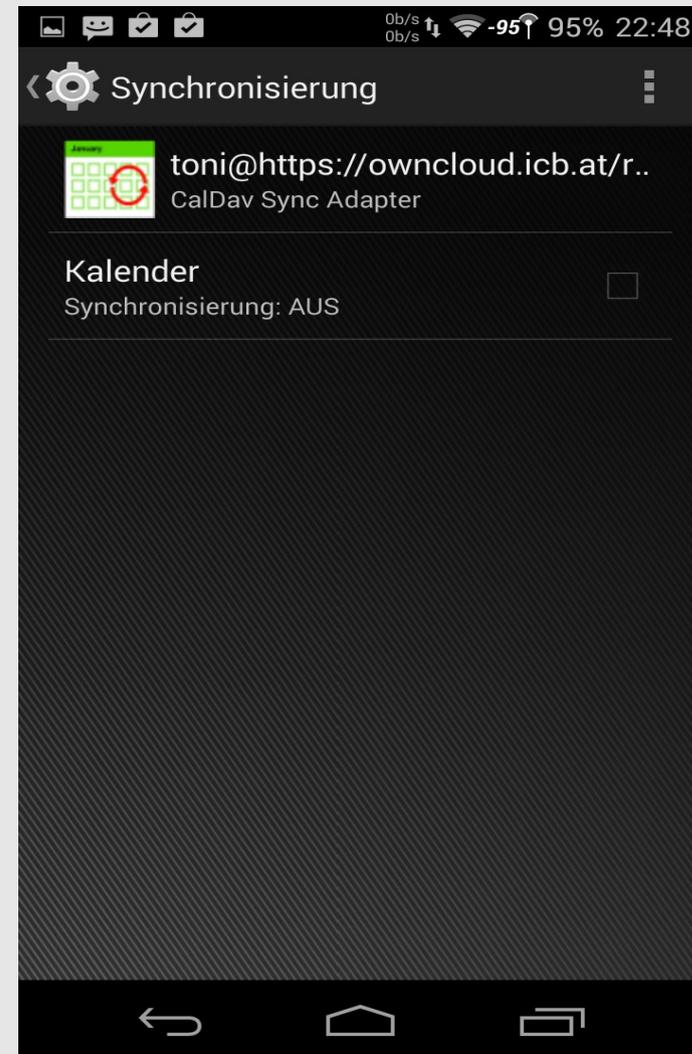
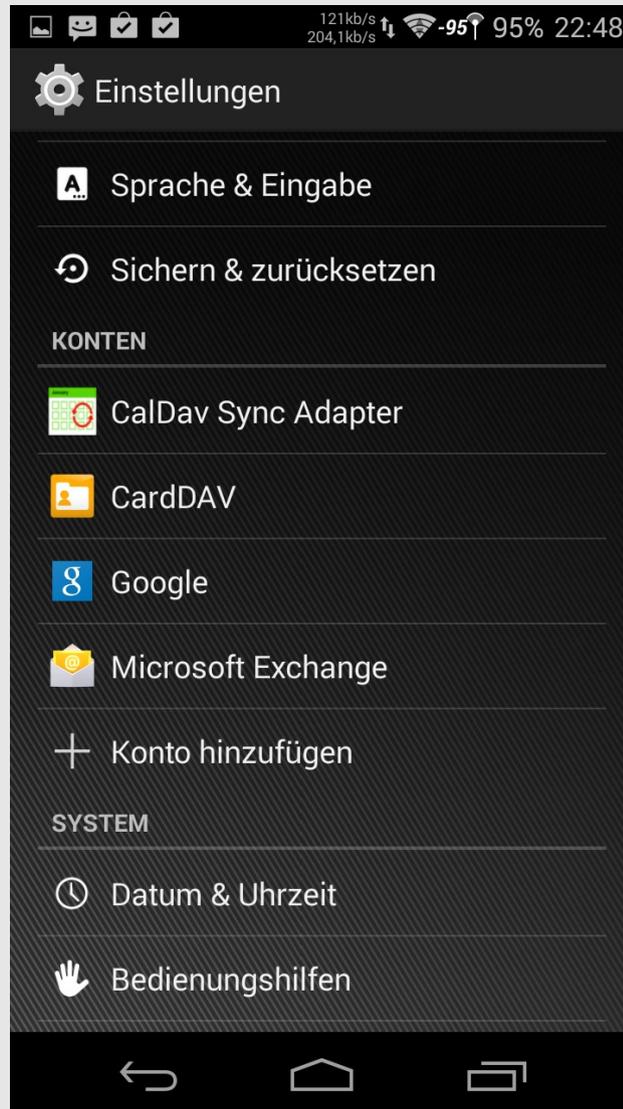
↑ y x c v b n m ↵

?123 / . Weiter

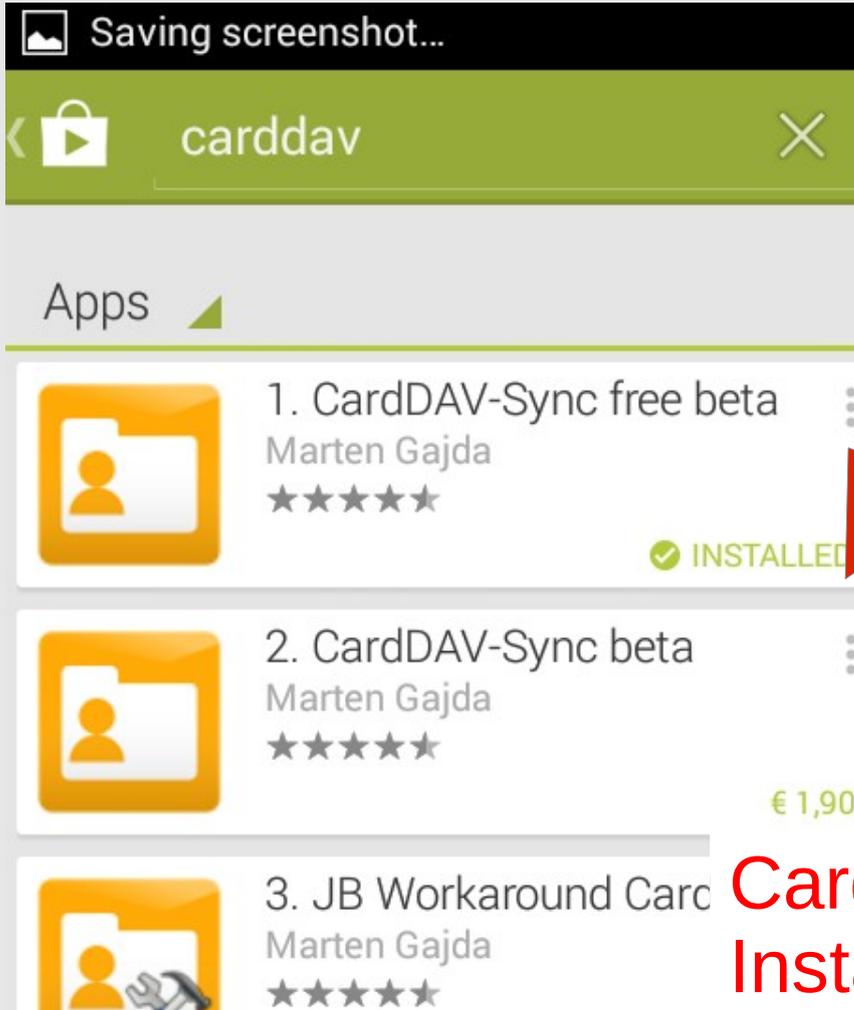
CalDav (https) URL von
Settings – oder aus der
Dokumentation :)

<https://owncloud.icb.at/remote.php/caldav/calendars/username/calendarname>

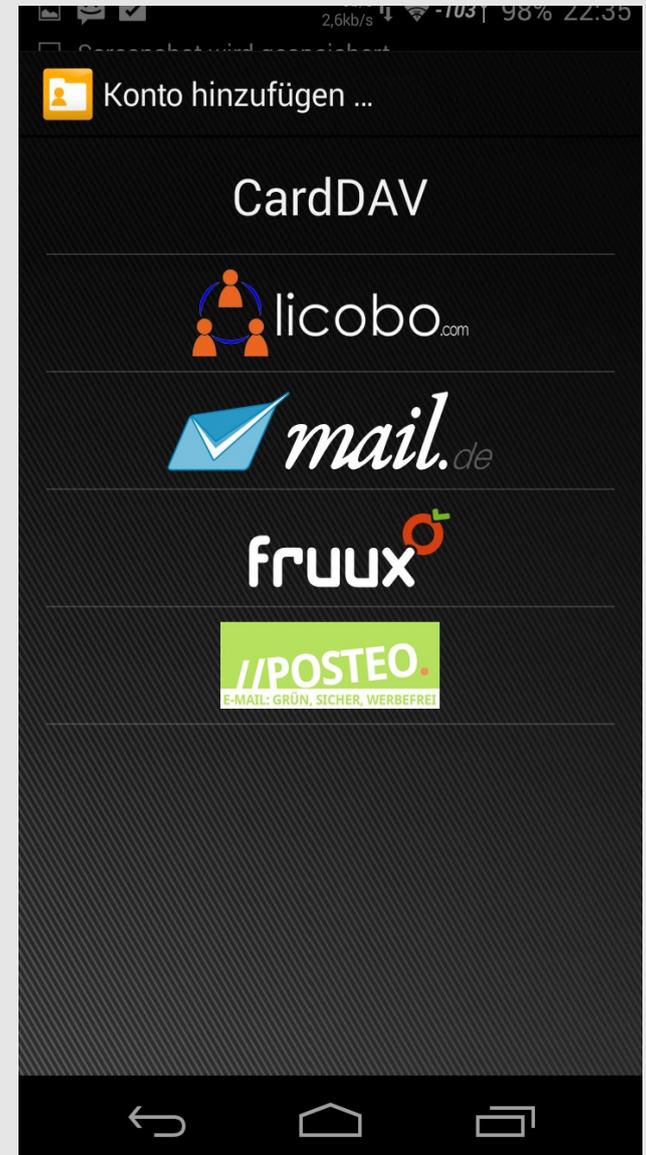
Smart-Phone::Kalender



Smart-Phone::Kontakte



CardDav
Installation via
Google Play



Smart-Phone::Kontakte

0b/s 35,5kb/s -101 97% 22:39

CardDAV Konto hinzufügen

Kontodaten eingeben

Servername oder Adresse

https://owncloud.icb.at/remote.php/c

SSL verwenden

[Brauchen Sie Hilfe?](#)

Benutzername

toni

Passwort

.....

Weiter

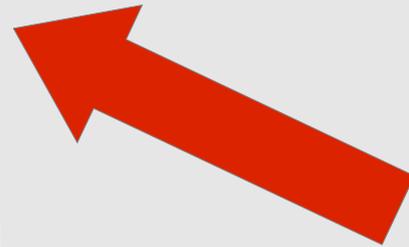
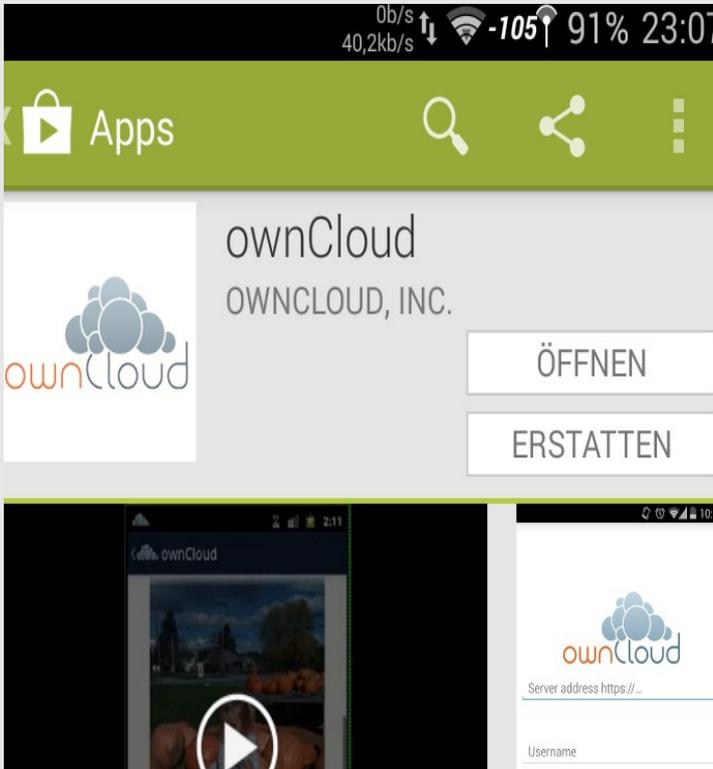
Remote address book
webdav bzw. https link aus
webinterface



oder Doku:

<https://owncloud.icb.at/remote.php/carddav/addressbooks/username/contactsname/>

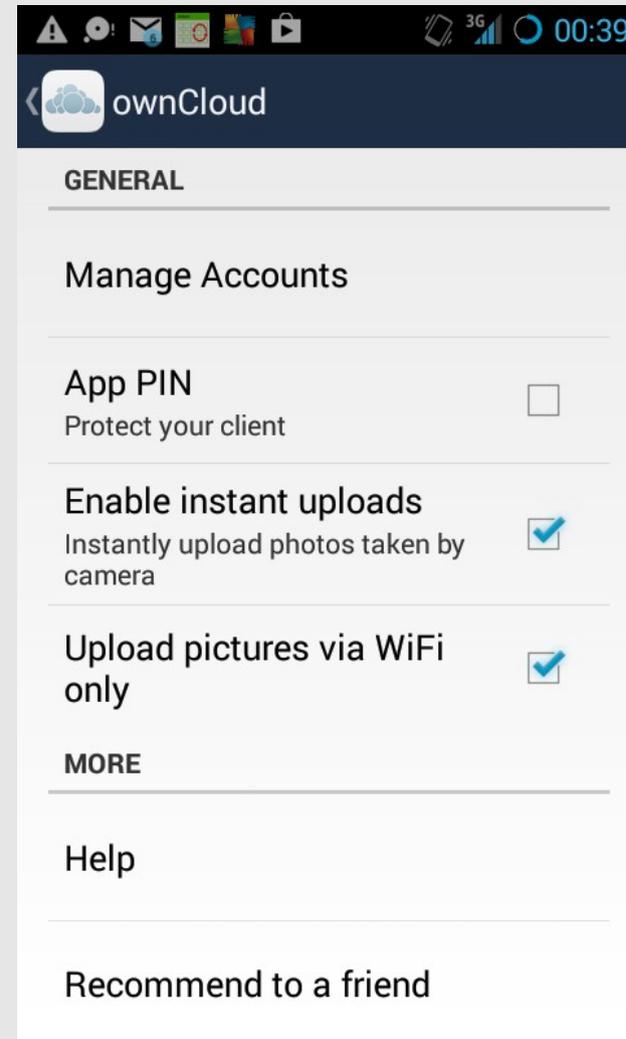
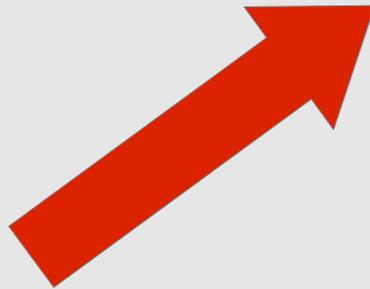
Smart-Phone::Files



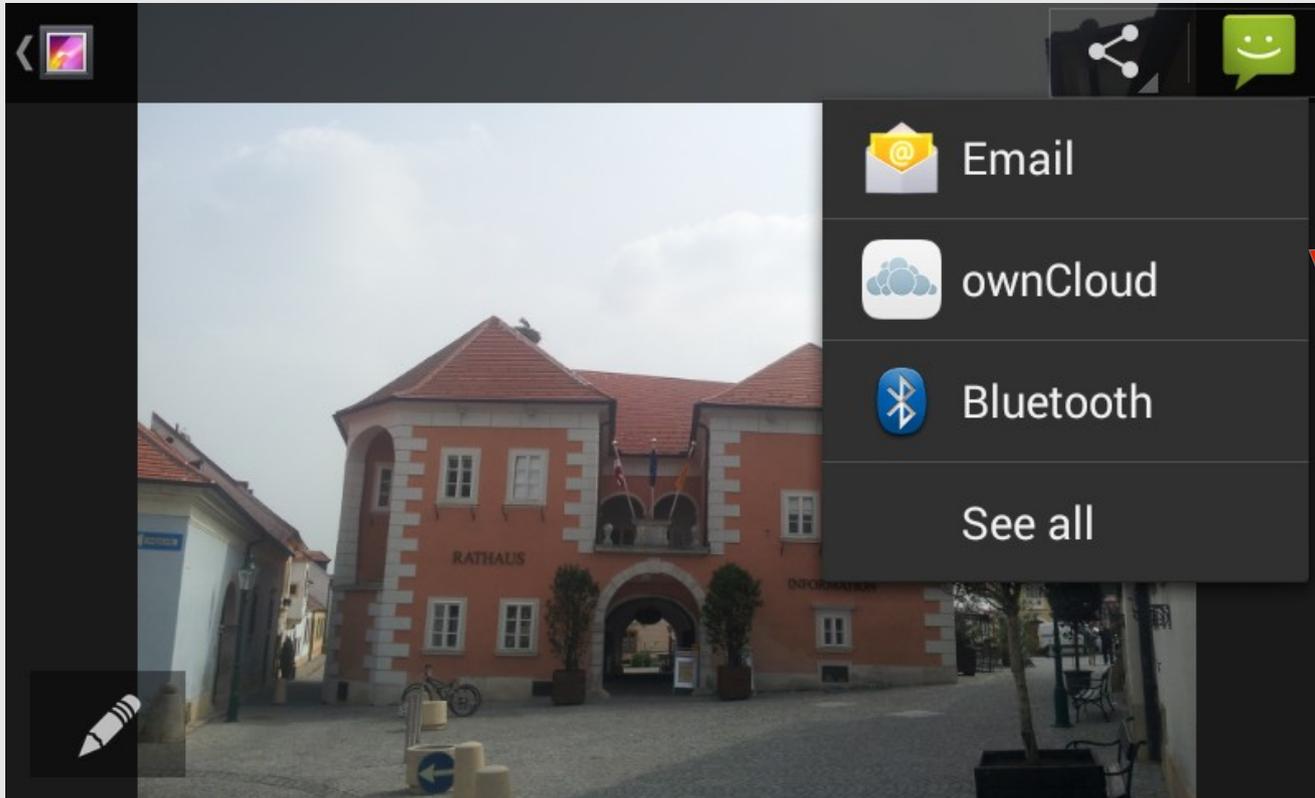
ownCloud
Installation via
Google Play

Smart-Phone::Files

„Instant upload“
Konfigurieren



Smart-Phone::Files



Datei
„manuell“
hochladen

Nachtrag → Laptop::Files

- Diese Slides versuchen „ownCloud Sync“ via GUI zu erklären
- Das einbinden von webdav hat allerdings „am besten“ via editieren von fstab mit folgenden Parametern funktioniert.
- <https://owncloud.icb.at/remote.php/webdav/home/user/owncloud-fstab-dir> davfs
user,rw,noauto 0 0

-

ownCloud Sync

Meine Daten gehören mir
Dr. Markus Tauber, AIT, ICB
www.markus.tauber.co.at
markus@tauber.co.at

