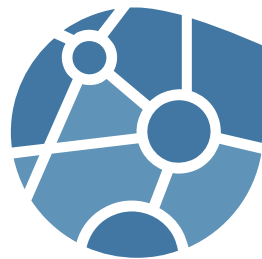




Fileserver online



EGroupware

SMART ONLINE OFFICE



EGroupware

SMART ONLINE OFFICE

Smart Online Office

- **Smart** : Intelligent linking of information
- **Online** : Web application usable on all platforms
- **Office** : (almost) complete office in the web browser

Modules in EGroupware



Email



InfoLog
**(Tasks/
Notes/...)**



Calendar

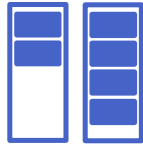


Contacts

Modules in EGroupware



**Filemanager /
Filesharing**



Kanban



smallPART



Project Manager



Helpdesk



Bookmarks



Timesheet



Ressources

**Knowledge
management**

Modules in EGroupware



Videoconference
(Jitsi)



Remote Desktop
(Guacamole)



Videoconference
(BBB)



Chat
(Rocket.Chat)



CTI
(Computer
Telephony
Integration)



Online Office
(Collabora Online)



**Your
application?**

Web fileserver



Can replace (or supplement) classic file server

- Mounting of file server shares (group, home drives, ...)
- Integration of Online Office
- File sharing (internal/external)
- Integration in groupware

Web fileserver



With additional functions

- VFS enables keywording
- Save file attachments to mail, attach files to mail
Attachments to objects (contacts, tasks, projects, appointments, Kanban, ...)
- Automatic folders for users, groups, projects, contacts, ...
- Create/fill template documents

Scenarios of use



- Web file server alone
- Mount drives on desktop
- File shares => Web file server
Parallel use
- Use in company <=> home office
- ...

Authentication/Security



EGroupware can authenticate against:

- Database
- **LDAP**
- **AD** (also multiple)
- Mail, CAS, SAML 2.0 / Shibboleth / SimpleSAMLphp

and can do 2FA:

- Authenticator Android/iOS
- U2F tokens

And protects via

- Brute Force Protection, Application Firewall

VFS



Virtual File System

Files on disk,
Metadata in database

Enables

- files with data with data
- To monitor
- Functions (versioning, subscriptions, ...)

```
<- /var/lib/egroupware/default/files/sqlfs/01/09 -.[^]>
```

.n	Name	Größe	Modifikations
/. .	ÜBERVZ.	06. Jan 2018	
*10900		52224	06. Jan 2018
*10901		104448	06. Jan 2018
*10902		41472	06. Jan 2018
*10903		110080	06. Jan 2018
*10904		51712	06. Jan 2018
*10905		34816	06. Jan 2018
*10906		609280	06. Jan 2018
*10907		30432	06. Jan 2018

Allgemein

Zugriffsrechte

Vorschau

Benutzerdefinierte Felder

Versionen

Abonnements

Revision

Schlüsselwörter

Wissensdatenbank

Suchen

User defined fields



User-defined fields can be created for/in the file manager (as in all modules).

Fields are displayed in the file list

Can be used for document printing

The screenshot shows the 'Einstellungen' (Settings) window for user-defined fields. The 'Feldtyp' (Field type) dropdown menu is open, displaying a list of available field types. The 'Beschriftung' (Label) field type is currently selected and highlighted. The 'Benötigt' (Required) checkbox is also visible on the right side of the form.

www.egroupware.org

Web UI



Columns

Column on/off
Order

Update interval

Admin settings
(Forced or default)

✓ Spalten auswählen

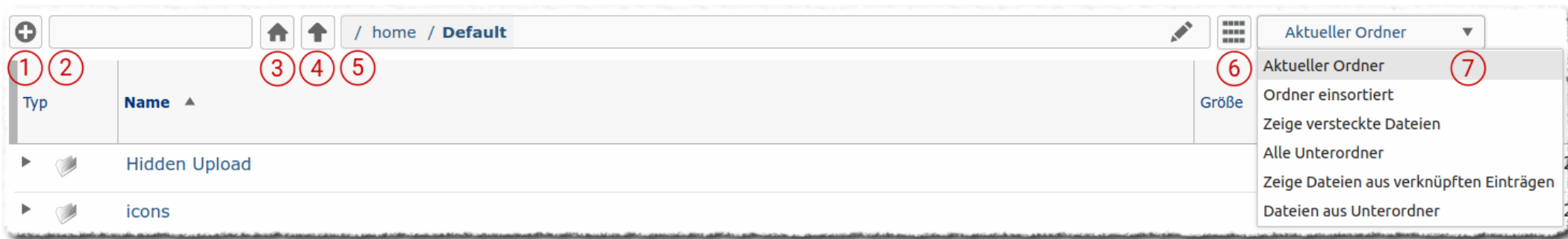
☒	Typ
☒	Name
☒	Größe
☒	Erstellt
☒	verändert
☒	Zugriffsrechte
☒	Besitzer
☒	Gruppe
☒	Kommentar
☒	Benutzerdefinierte Felder
☒	- Revision
☒	- Schlüsselwörter
☒	- Wissensdatenbank
☐	Gesperrt
☐	Suche nach Buchstaben

✓ OK ✗ Abbruch Aktualisierung Einstellung

Web UI



Icons



- 1 Upload file
- 2 Search
- 3 Home directory
- 4 Level up

- 5 Path (clickable)
- 6 Detail / Tile view
- 7 Options



Icons



1 Office File New

2 File/Folder Properties

3 New folder

4 New link

5 Upload file with link [EPL]

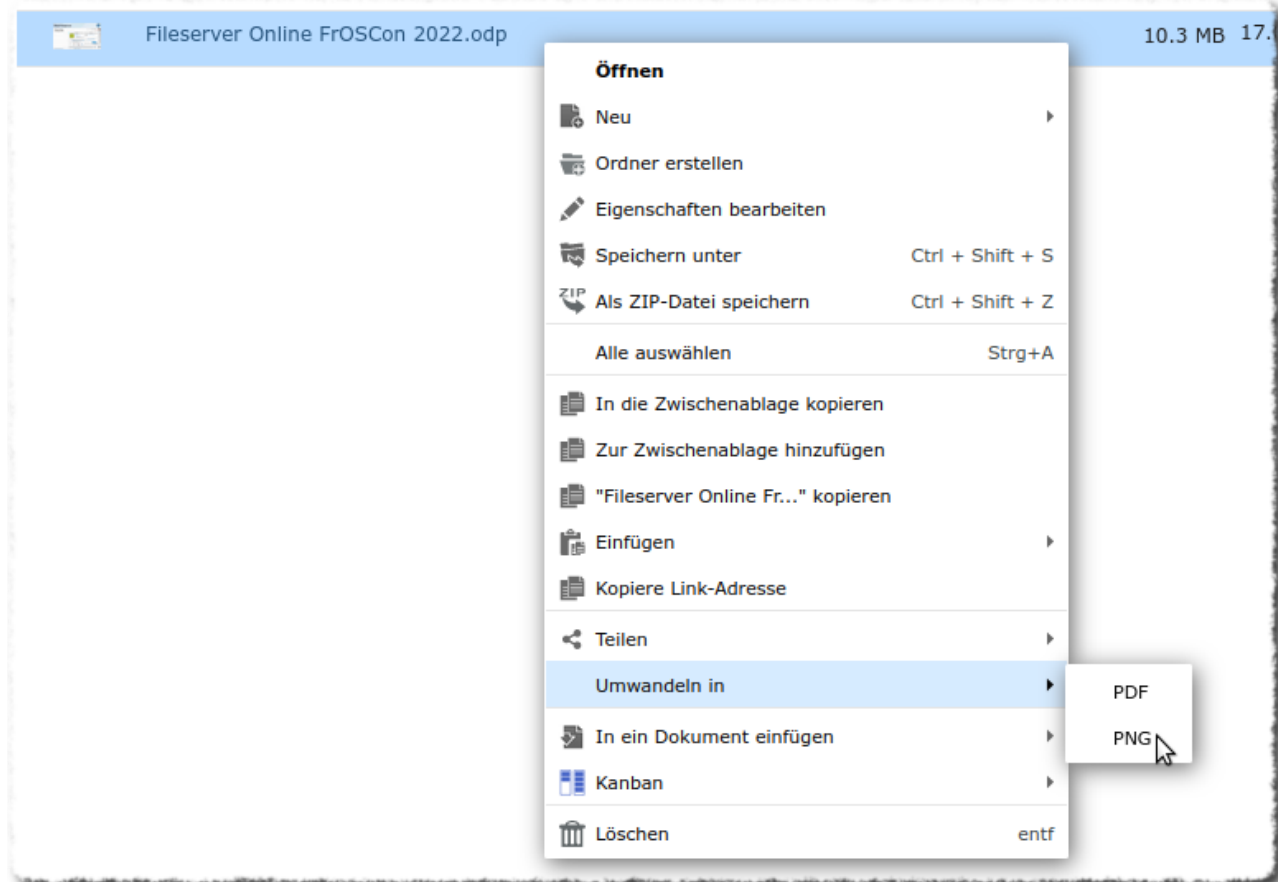
6 Favorite

7 Number of lines

Context menu



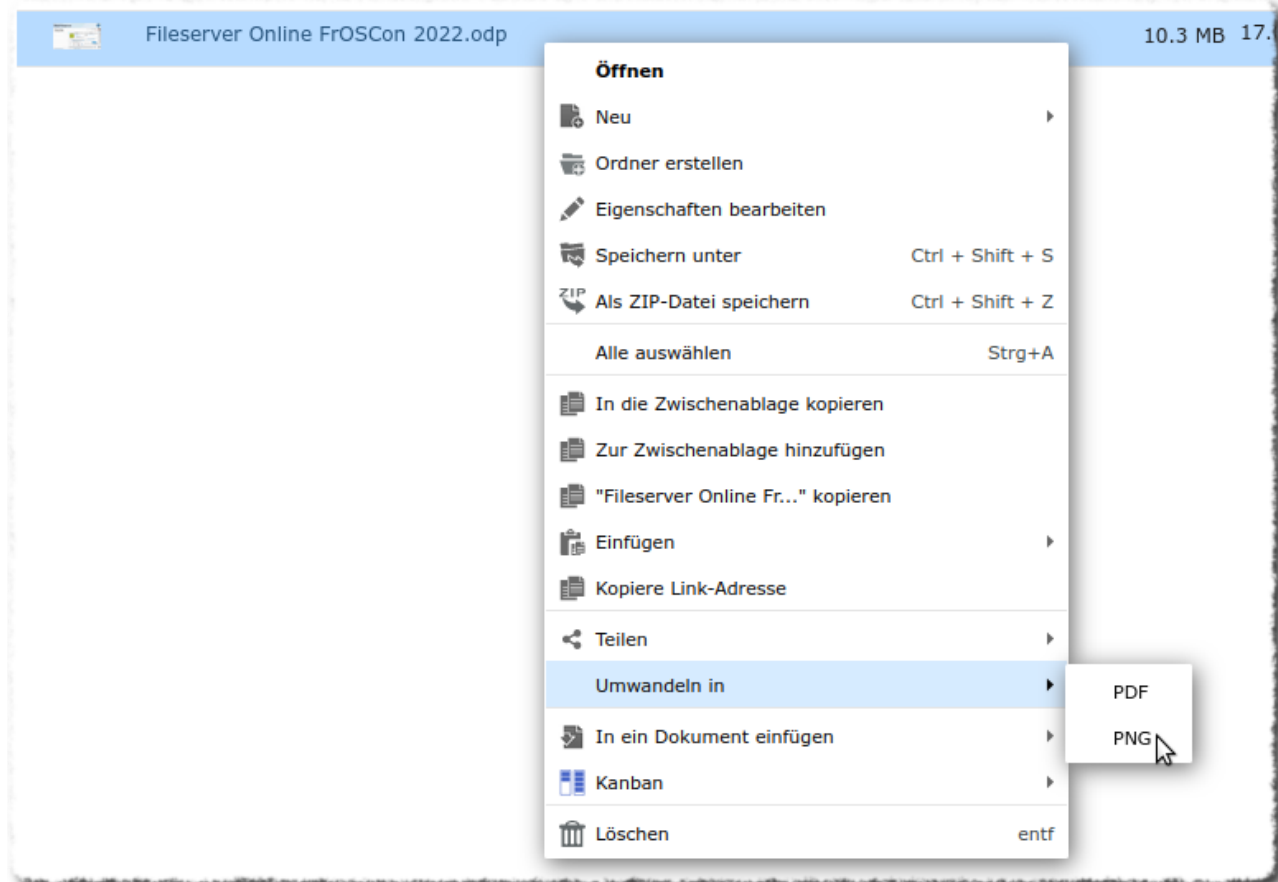
Functions in the context menu



Context menu



Clipboard



File/Folder Properties



General

Access rights

User defined fields

Versions

Subscriptions

Comment field is
standard

General

Fileserver Online FrOSCon 2022.odp

Typ application/vnd.oasis.opendocument.presentation

Ordner /home/intern/9 Firmen/EGroupware GmbH/Veranstaltungen/2022.08 FrOSCon

Größe 11.5 MB

Erstellt 17.08.2022 10:56

verändert 18.08.2022 09:33

Kommentar

Speichern Übernehmen Abbruch Superuser

DnD



- Files can be copied from the desktop to a folder via DnD or moved/copied between folders.
- Files/folders can also be added (linked) to Kanban via DnD.
- DnD => Win-Desktop???

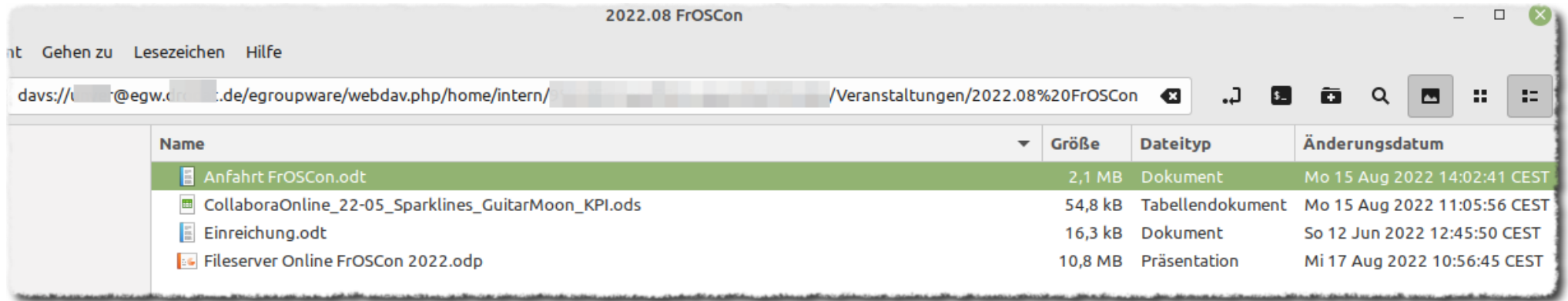
Access via WebDAV



Via file manager, tool, ...

Upload folder

Access also to contact files, project files, ...



Lecture/Slides: Tux Days 2021:

WebDAV, CalDAV, CardDAV? Synchronisation and data exchange via the web

<https://help.egroupware.org/t/uk-de-tux-tage-2021-videos-und-vortragsfolien-verfuegbar/76361>

File/Folder Permissions



Classic *nix

Group membership is usually enough and is therefore set correctly

The screenshot shows the 'Zugriffsrechte' (Permissions) tab of a file/folder properties dialog. The 'Zugangsberechtigungen' (Access Permissions) section has three dropdown menus: 'Besitzer' (Owner) set to 'Kein Zugriff' (No Access), 'Gruppe' (Group) set to 'Lese- und Schreibzugriff' (Read and Write Access), and 'Andere' (Others) set to 'Kein Zugriff' (No Access). There is an unchecked checkbox for 'Ausführbar' (Executable). The 'Besitzer' (Owner) section shows the user 'Stefan' and the group 'Gruppe intern'.

Zugriffsrechte				
Zugangsberechtigungen				
Besitzer	Kein Zugriff ▼			
Gruppe	Lese- und Schreibzugriff ▼			
Andere	Kein Zugriff ▼			
☐ Ausführbar				
Besitzer				
Benutzer	Stefan			
Gruppe	Gruppe intern ▼			

Speichern Übernehmen Abbruch Superuser

Extended permissions



To folder

Erweiterte Zugriffsrechte

Besitzer	Rechte	Geerbt	
Gruppe intern	Anzeigen und Verändern des Inhaltes	/home/intern	

Besitzer: Rechte:

Anzeigen und Verändern des Inhaltes

Anzeigen des Inhaltes

Kein Zugriff

Hinzufügen

Speichern

Übernehmen

Abbruch

Superuser

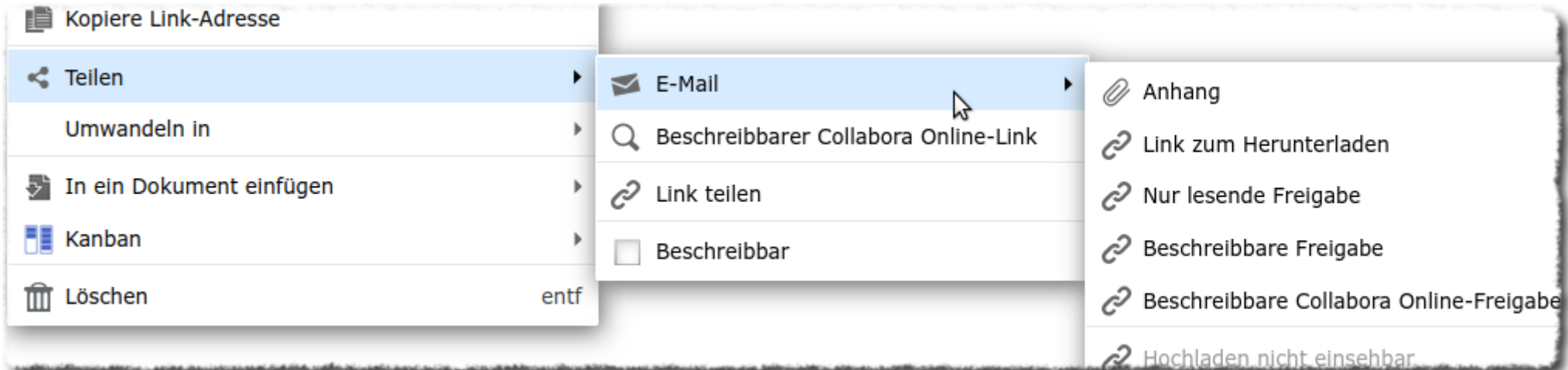
Filesharing



External and internal

Can be integrated internally

Files can also be edited externally with Collabora Online (COOL)



Mounting



Mounting external directories

ADMIN

Admin

sqlFS Statistik

Alle Dateien	19003	Dateien 9.0 GB
Ältere Versionen oder gelöschte Dateien	223	Dateien 299.4 MB
Prozentual	1.2%	3.2%

Mountpunkte

Pfad	Backend URL	Versionierung	Mount
/	sqlfs://\$host/		
/apps	stylite.links://default/apps		
/backup	filesystem://default/var/lib/egroupware/default/backup?group=Admins&mode=070		Unmount
/templates	stylite.merge://default/templates?merge=stylite/printtemplates&lang=1		Unmount
/etemplates	stylite.merge://default/etemplates?merge=.&lang=0&level=1&extension=xet&url=egw		Unmount
/home/unver	stylite.versioning://default/home/unver	Ausschalten	Unmount
/home/Unverricht/NAS_Foto	smb://[redacted]:****@192.168.178.21/Foto		Unmount
/home/Unverricht/NAS_Video	smb://[redacted]:****@192.168.178.21/Video/DTWonyk_Video		Unmount
/home/unverst/Fachweiterbildung	stylite.versioning://default/home/unverst/Fachweiterbildung	Ausschalten	Unmount
/home/Intern/[redacted]/Promo-Material	stylite.versioning://default/home/[redacted]/Promo-Material	Ausschalten	Unmount
/home/Intern/[redacted]/Veranstaltungen	stylite.versioning://default/home/[redacted]/Veranstaltungen	Ausschalten	Unmount
/home/unverja/shares/[redacted]	vfs://unver@default/home/[redacted]		Unmount

Protokolle

- WebDAVs: mounten von EGroupware oder *Cloud Freigaben
- SMB: mounten von Freigaben eines Samba oder Windows Dateiserver
- Versionierung: Versionierung benötigt EGroupware EPL
- Dateisystem: mounted Verzeichnisse (innerhalb von /var/lib/egroupware) vom Dateisystem des Hosts

WebDAVs :// Benutzer : Passwort @ host Pfad und Suchparameter, SMB: Freigabe und optionaler Pfad (mit /)

Einschalten Mount

Wer soll gelöschte Dateien oder ältere Versionen endgültig löschen dürfen: Administratoren

Lösche alle alten Versionen und gelöschte Dateien älter als 100 Tage unter dem Ordner / Endgültig löschen

Mobile access



Files can be accessed from the smartphone or tablet via **mobile web UI** or via WebDAV.

DAVx5 with WebDAV support has recently been available for Android:

<https://www.davx5.com/>



Folder for objects



Automatic

EGroupware creates for each object

- User
- Contact
- Task
- Project
- ...

a folder in the VFS.

Access permissions analogous to the object permissions.

Ort: Hochschule Bonn-Rhein-Sieg, Sankt August ☐ Videokonferenz ☒ Messe/Veranstaltung

Beschreibung Teilnehmer Wiederholung Benutzerdefiniert Verknüpfungen Historie

  Adressbuch

Bestehende Verknüpfungen

 Fileserver Online FrOSCon 2022.odp

davs://[redacted]@egw[redacted].de/egroupware/webdav.php/apps/Kalender/2\$/2022-08\$/2022-08-20%2000.00%20FrOSCon%2022

Name
 Fileserver Online FrOSCon 2022.odp

+   / Anwendungen / Kalender / 20.08.2022, 00:00: FrOSCon 2022

Typ	Name ▲
	Fileserver Online FrOSCon 2022.odp

Data backup



EGroupware-DB with own data backup
(SQL dump + configs):

`/var/lib/egroupware/default/backup`

VFS files under:

`/var/lib/egroupware/default/files/sqlfs`

All:

`/var/lib/egroupware`

Forum/Instruction: [Backup of EGroupware](#)

```
< /var/lib/egroupware/default
.n                               Name
/..
/backup
/files
/guacamole
/loolwsd
/rocketchat
```

Directories



Standard, system directories

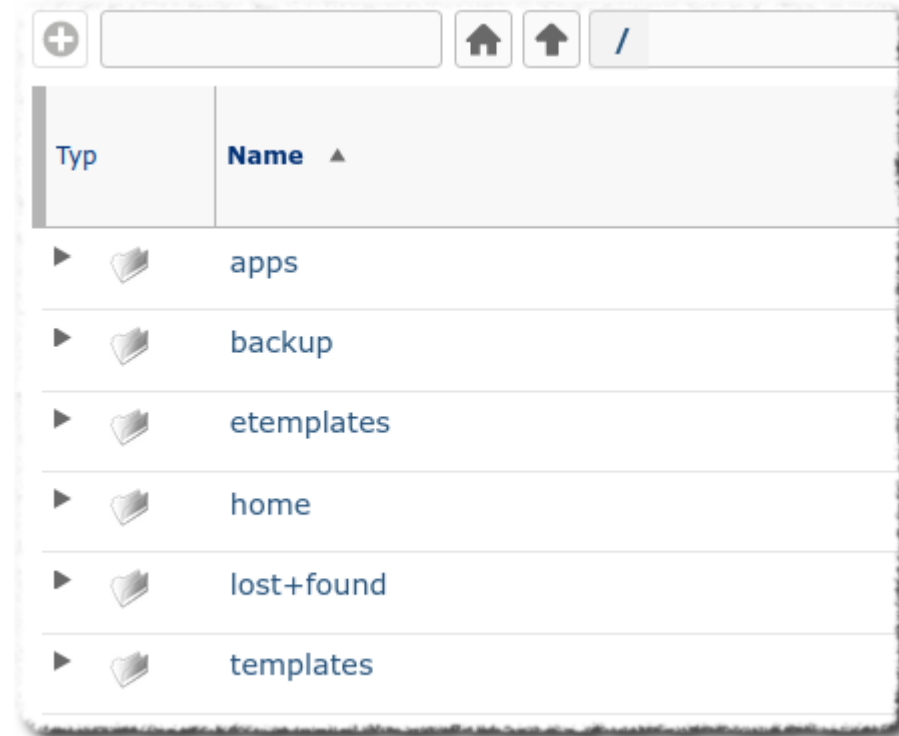
apps

backup

etemplates [EPL]

home

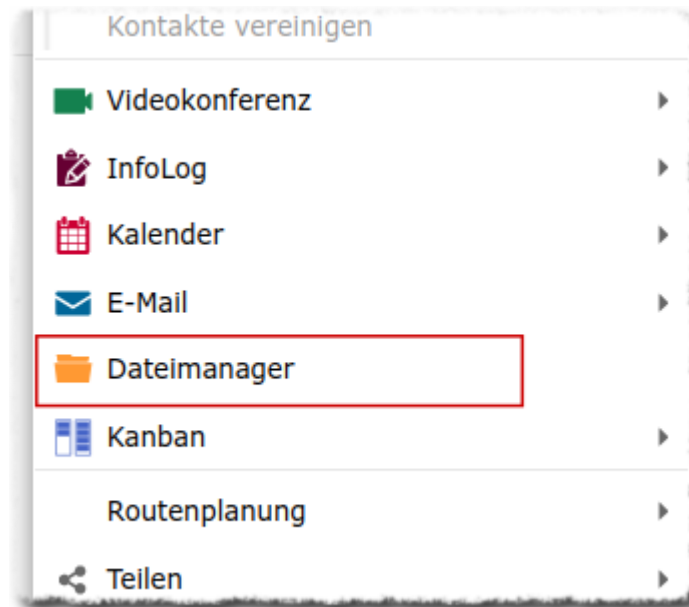
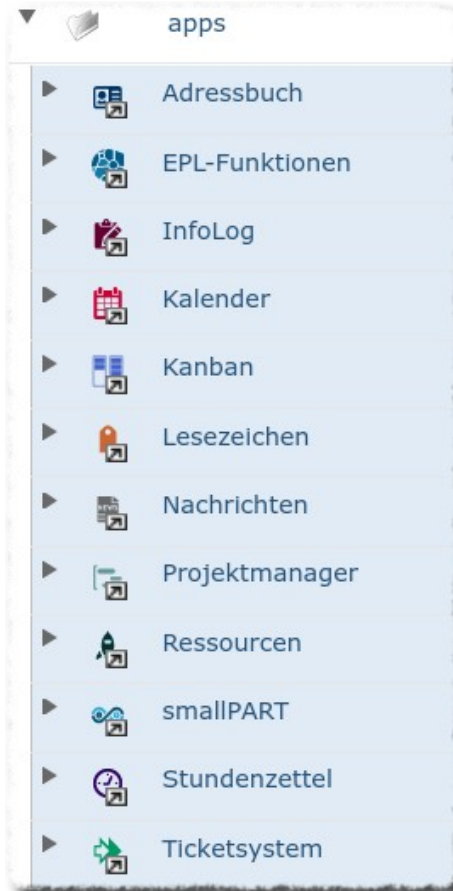
templates



Directory apps



EGroupware modules (apps):
Directory per object



Directory templates



Storage location for document templates

- Standard templates for COOL
- Templates for filling from EGroupware

Lectures:

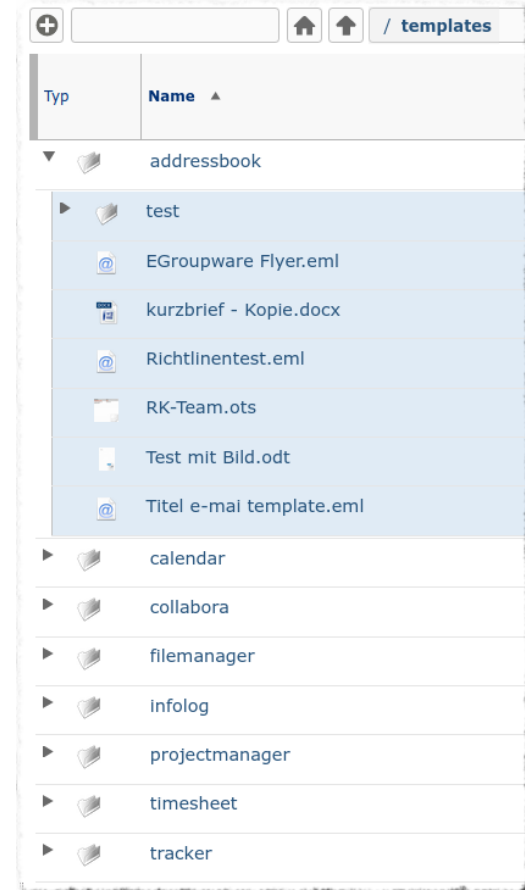
FrOSCon 2021

EGroupware and Collabora Online in practice

FrOSCon 2019

LibreOffice Online in EGroupware

COOLDays 2021



Versioning



[EPL]

Must be switched on for
directories

Versions then also available in
Collabora Online

Allgemein		Zugriffsrechte	Vorschau	Benutzerdefinierte Felder	Versionen	Abonnements
Typ	Name			verändert	Größe	Aktion
	57991 - Fileserver Online FrOSCon 2022.odp			18.08.2022 08:48	11.5 MB	  
	57990 - Fileserver Online FrOSCon 2022.odp			18.08.2022 08:29	11.5 MB	  
	57989 - Fileserver Online FrOSCon 2022.odp			17.08.2022 20:42	11.5 MB	  
	57988 - Fileserver Online FrOSCon 2022.odp			17.08.2022 13:48	11.5 MB	  
	57983 - Fileserver Online FrOSCon 2022.odp			17.08.2022 10:56	10.3 MB	  

Anderungshistorie	
Fileserver Online FrOSCon 2022.odp	
Aktuelle Version	
	18.08.2022 08:48
	18.08.2022 08:29
	17.08.2022 20:42
	17.08.2022 13:48
	17.08.2022 10:56

As

- User
- Group
- Email address

Example: Monitor shared directory

Allgemein	Zugriffsrechte	Vorschau	Benutzerdefinierte Felder	Versionen	Abonnements						
Abonnements <table border="1"> <thead> <tr> <th>Besitzer</th> <th>Gruppe oder E-Mail</th> <th>Geerbt</th> </tr> </thead> <tbody> <tr> <td> , Stefan</td> <td></td> <td> /home/intern,   Online/Veranstaltungen /2022.08 FrOSCon/Fileserver Online FrOSCon 2022.odp  </td> </tr> </tbody> </table>						Besitzer	Gruppe oder E-Mail	Geerbt	 , Stefan		/home/intern,   Online/Veranstaltungen /2022.08 FrOSCon/Fileserver Online FrOSCon 2022.odp 
Besitzer	Gruppe oder E-Mail	Geerbt									
 , Stefan		/home/intern,   Online/Veranstaltungen /2022.08 FrOSCon/Fileserver Online FrOSCon 2022.odp 									
Abonnieren Aktueller Benutzer oder E▼ E-Mail Abonnieren											

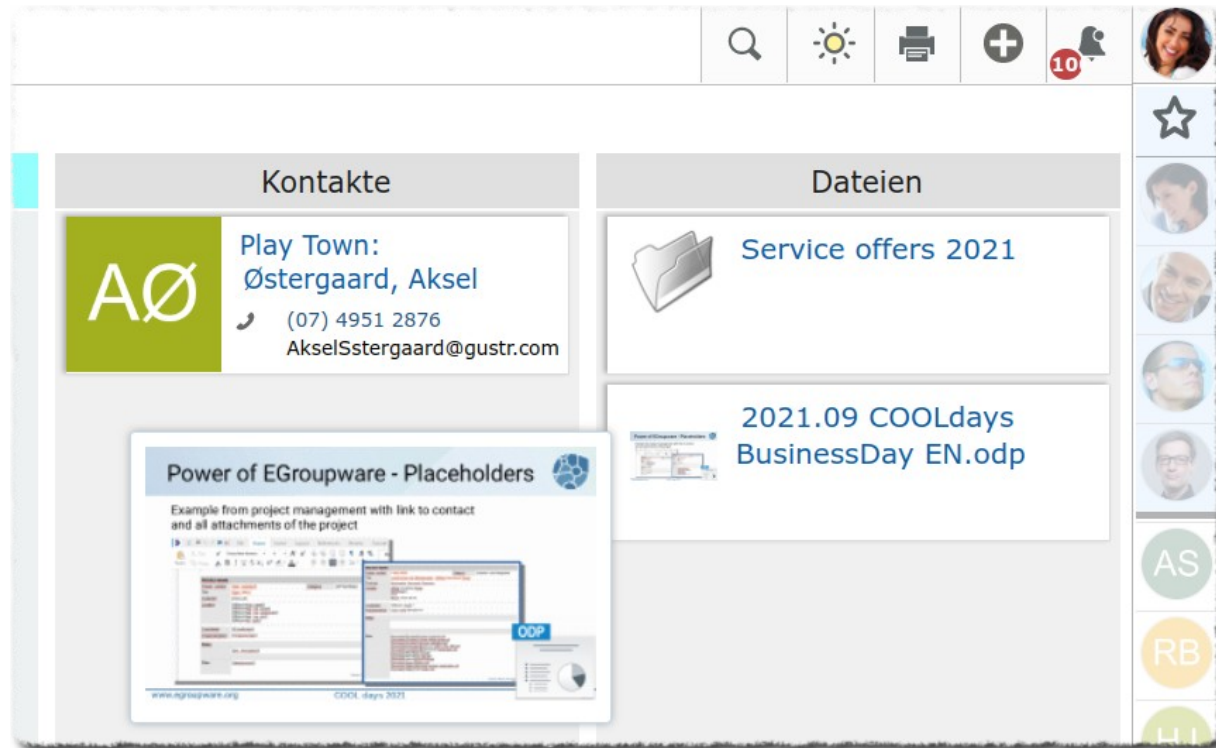
Folder/Files in Kanban



[EPL] (Kanban)

Folders and files can be stored directly in the Kanban board as a card.

Example:
(Open) Log for ...,
Edit/Save directly



Integration Online Office



- Collabora Online
- CODE

EGroupware is the file host for Collabora Online

Video/Slides:
FrOSCon 2021

[EGroupware and Collabora Online in practice](#)

Further presentations/slides on Collabora Online:
<https://help.egroupware.org/t/de-ubersicht-vortrage/76255>



Infos

Try EGroupware



- [Live demo](#) (but without guacamole...)
- **30 days test system in EGroupware-RZ** (including Rocket.Chat, Collabora Online, smallPART, Guacamole and E-Mail)
- More time on request, if interested possible transfer of data into productive system
- [UCS installation](#) (from App-Center or as appliance)
- **Self-installation** ([GitHub Wiki](#))
- NAS (QNAP/Synology with Docker or as VM (better))

EGroupware informationen



- [Forum](#)
- [Website](#)
- [GitHub](#) ([Wiki](#))
- [Twitter](#), [Facebook](#), [Linkedin](#), [XING](#), [Mastodon](#), [YouTube](#)
- [Flyer EGroupware](#), [Collabora Online](#), [Rocket.Chat](#), [Guacamole](#), [Jitsi](#)
- Testimonials (German) [Linux-Magazin](#), [IT-Administrator](#)

- info@egroupware.org: (customized) offers, licensing issues, Collabora online licenses, ...

EGroupware Lectures (German)



Lectures from the **Tux-Tage** 2020

EGroupware (from the user's point of view)
EGroupware (From the user's point of view)

Lectures from the **Kieler Linux Tage** 2020

Jitsi und Apache Guacamole in EGroupware

EGroupware Lectures



- EGroupware im Homeoffice und in Bildungseinrichtungen [Tux-Tage 2021](#)
- LibreOffice Online in EGroupware [FrOSCon 2019](#), [CLT 2019](#)
- More videos on [Youtube/EGroupware](#)
- Listing of all [presentations and slide](#), with with some translated slides and some presentations in English



Thank you for your interest !

Contact: su@egroupware.org

Forum: help.egroupware.org