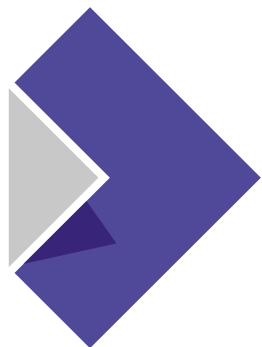




EGroupware and Collabora Online in practice

Groupware with Online Office: The office in the browser



**Collabora
Online**



EGroupware
SMART ONLINE OFFICE

EGroupware GmbH



- EGroupware GmbH (Kaiserslautern, DC in Frankfurt/Karlsruhe) offers EGroupware as **SaaS solution** and **On Premises**
- Email server (with deep integration) included
- **Collabora Online**, **Rocket.Chat** as **SaaS**
- Reseller for: **Collabora Online Licences**, **bbbserver.de**, **Outlook CalDAV Synchronizer**
- Partner of: **Placetel**
- Version with business function enhancements and support (EPL)
- **Support** (migration and update support, ...) also for community users!
- Organisational consulting
- Special programming, masks, functions, ...

New logo, new slogan



EGroupware has a new logo:



Smart Online Office

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

Our website is also new...

Topics



- * Overview of EGroupware
 - * Community Edition vs. Enterprise Edition
 - * Modules - The "More" in Groupware
- * Overview of Collabora Online
 - * COOL vs. CODE
 - * Community
 - * What's new in the latest versions

Topics



- * Integration of COOL in EGroupware
 - * Installation/Integration
 - * COOL in the File Manager/Filessharing
 - * Document generation
- * Examples from practice
 - * Digital lawyer
 - * ~~School~~ administration
 - * Event organisation
- * Questions/Answers
- * ~~Live~~(?)

Development/distribution model



Development is company-driven,
little community in development (more welcome!)

Translations from the community (more welcome!)

We develop, publish and distribute on the basis of
Open-core model

Offer besides Enterprise(EPL)-Version commercial:

- support
- Contract programming
- EGroupware (+ Collabora Online, Rocket.Chat) as SaaS

Development/distribution model



Integration of applications:

- Chat ([Rocket.Chat](#))
- Online Office ([Collabora Online](#))
- Web-RDP ([Guacamole](#))
- ...

No own applications in these areas.

Lecture from the [Kielux 2020](#) (German with translated slides):
[Jitsi and Apache Guacamole in EGroupware video and presentation slides](#)

Operating possibilities?



Community Edition (**CE**) as

- **On Premises**
- own DC, Colocation, Hoster
- under your desk, on a NAS...

EPL as **SaaS** or **On Premises** (own DC, Colocation, Hoster, ...)

Comparison:

<https://www.egroupware.org/egroupware-ce-vs-epl>

Change between locations and versions always possible!

Open for migration! In both directions...

Modules in EGroupware



Email



InfoLog

(Aufgaben,
Notizen, Telefon,
E-Mail, ...)



Calendar



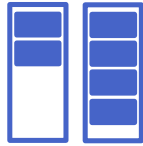
Contacts

CRM-Ansichten

Modules in EGroupware



**Filemanager /
Filesharing**



Kanban



smallPART



Project Manager



**Tracking
System
(Ticket system)**



Bookmarks



Time recording
to projects,
tickets, tasks,
contacts



Resources

**Knowledge
Management**

Modules in EGroupware



Video conference
(Jitsi)



Remote Desktop
(Guacamole)



CTI/Telephony



Video conference
(BBB)



Chat
(Rocket.Chat)



Discourse ?

**Your
application?**



Office
(Collabora Online)



Wiki.js ?



Collabora Online

=> Marc



Installation/Integration COOL in EGroupware

Installation/Integration COOL



Installation

- COOL is installed with a standard EGroupware installation.
- It can be installed later:
`apt install egroupware-collabora-key`
Documentation in the [GitHub Wiki](#)
- Can also be installed as a package on its own, without EGroupware.
- Swap COOL <=> CODE: Docker Compose yml

Installation/Integration COOL



Integration

- COOL is automatically configured in a standard EGroupware installation.
- Any COOL instances can be integrated into EGroupware:

The screenshot shows the EGroupware Admin interface. The top navigation bar includes links for Admin, Kanban, Guacamole, E-Mail, Kalender, Dateimanager, and Proxmox. The left sidebar shows the Admin menu with options like Benutzerkonten, Benutzergruppen, Anwendungen, Adressbuch, Benachrichtigungen, and Collabora Online. The main content area is titled 'Konfiguration der Anwendung' and has tabs for 'Konfiguration' and 'Dokumentation'. A red box highlights the 'Collabora Online-Server' field, which contains the URL 'https://egw. .de'. To the right of this field is a status indicator: 'Status: 74 unterstützte Dok'. Below this, there is a section titled 'Voraussetzungen / bitte beachten' with text stating that the Collabora Online-Server must be able to access the EGroupware installation. At the bottom, a status message reads: 'Prüfung des Benutzer 'anonymous': Aktiver Benutzer 'anonymous' gefunden.'

Installation/Integration COOL



Configuration

- COOL licence
- Admin Console: Set/access user and password

Lokaler Collabora Online-Server

Ein lokaler Collabora Online Server kann über das 'egroupware-collabora-key' Paket installiert werden.
Für eine unterstützte Collabora Online-Version benötigen Sie einen Support-Key aus dem Shop der EGroupware GmbH.
Das unterstützte Collabora Online erlaubt eine Nutzung mit der gekauften Anzahl Benutzer, mehr als bei der per Default installierten Demo- bzw. Entwickler-Version.

Support-Key

2021-12-17: E
olsPne2A2GC
y9
/5ook88If5N
P4YZXS6wef9jYiVjgGS0zsnFq/ne8P7
/NMv0iPTYWxeFrHuvc7DK6ewa2IePv10en04ev94saxtaCmNRdYsaSuNv9u1csR+nKPWiGFNR1iMXv0n

Admin-Konsole (benötigt Benutzername und Passwort)

Benutzername

Passwort

Installation/Integration



COOL Admin Console

Collabora Online - Administratorkonsole Einstellungen

[←](#)
Übersicht
[Analytik](#)
[Zuletzt verwendet](#)
[Logging](#)

Übersicht

BENUTZER ONLINE	GEÖFFNETE DOKUMENTE	VERWENDETER SPEICHER	GESENDETE BYTES	EMPFANGENE BYTES	BETRIEBSZEIT
2	2	503.0 MB	2.2 MB	15.0 kB	2:01 Minuten

[Geöffnete Dokumente](#) [Benutzer online](#)

	Ansichten	Programmkennung	Dokument	Verwendeter Speicher	Benötigte Zeit	Leerlaufzeit	Geändert
✖	1 Benutzer.	26	Notizen.odt	36.4 MB	12 Sekunden	12 Sekunden	No
✖	1 Benutzer.	21	EGroupware FrOSCon 2021.odp	83.6 MB	16 Sekunden	1 Sekunden	No

Installation/Integration



Configuration

The loolwsd.xml is located in an EGroupware installation under:

```
var/lib/egroupware/default/loolwsd
```

- **Languages**
- (licence key)
- (user interface)

More:

<https://raw.githubusercontent.com/CollaboraOnline/online/master/loolwsd.xml.in>

Installation/Integration



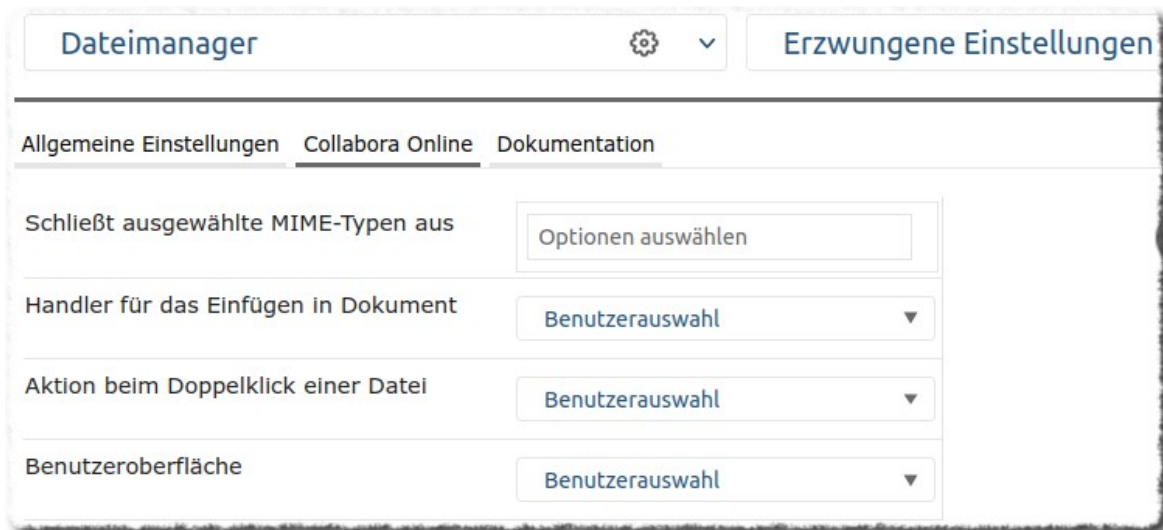
(User) Configuration

Which file types are opened with COOL?

What happens to filled documents?

COOL or download?

User interface?

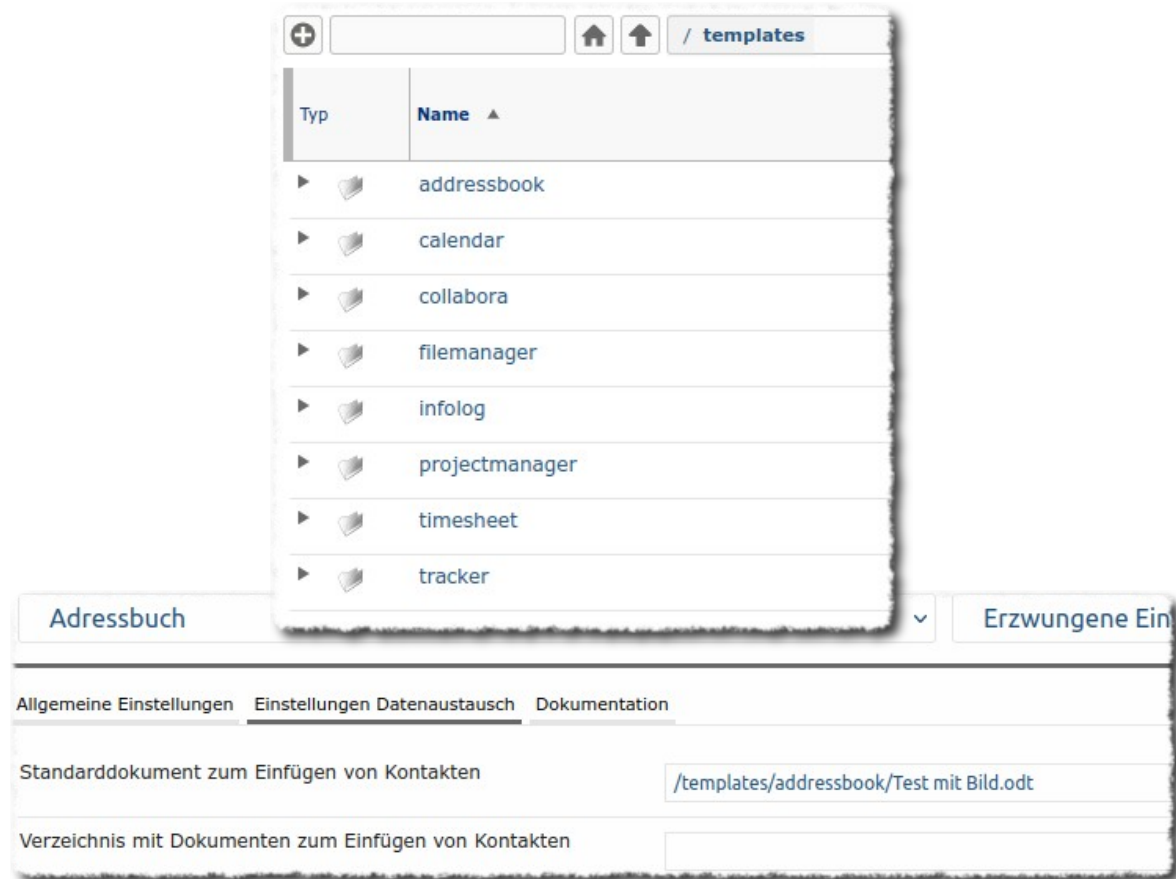


Installation/Integration



Configuration

- Templates are stored by the authorised person (admin) in the file system under /templates/application stored.
- If Admin allows it: Users can create / save / use their own templates (or for groups).



Installation/Integration



Other

- Functions are (of course) also available in own EGroupware applications.
- Document/e-mail filling can also be integrated (with e.g. buttons) into the EGroupware interface.
- Empty templates with borders, fonts, etc. can be created under `/templates/collabora` and provide the copy template for the new document.

Installation/Integration



Other

- EGroupware as a file server:
Can mount directories via SMB, WebDAV(...) in EGroupware.
- Access to files via WebDAV
Also linked files from contacts, projects, ...
- This means that files can also be opened with a LibreOffice/Collabora Office in the client file manager!



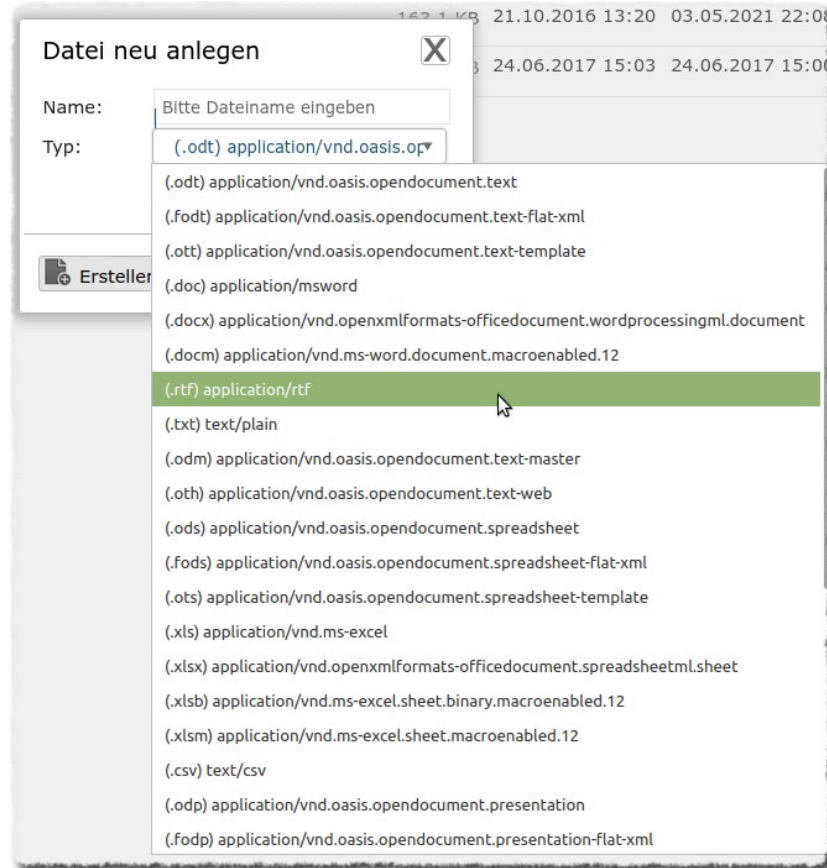
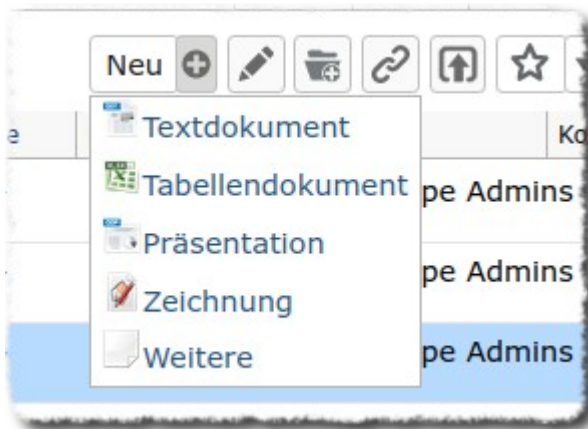
COOL in Filemanager/Filesharing

COOL in Filemanager/Filesharing



In The Filemanager

COOL integrates into the file manager:

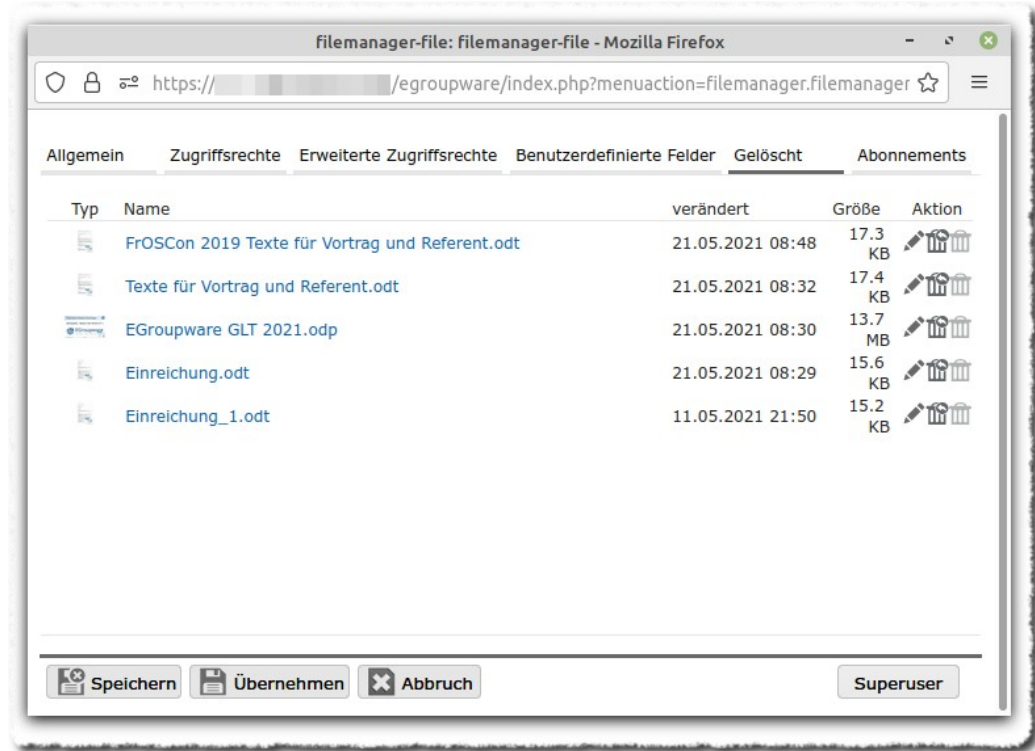


COOL in Filemanager/Filesharing



In Filemanager

Deletion protection
(EPL!)



COOL in Filemanager/Filesharing



In Filemanager

Versioning (EPL!)

The screenshot shows the EGroupware Filemanager interface in a Mozilla Firefox browser window. The address bar shows the URL: <https://...de/egroupware/index.php?menuaction=filemanager.fileman>. The interface has several tabs: Allgemein, Zugriffsrechte, Vorschau, Benutzerdefinierte Felder, Versionen (selected), and Abonnements. The 'Versionen' tab displays a table of file versions for 'EGroupware FrOSCon 2021.odp'.

Typ	Name	verändert	Größe	Aktion
	55448 - EGroupware FrOSCon 2021.odp	14.08.2021 13:13	10.6 MB	
	55447 - EGroupware FrOSCon 2021.odp	14.08.2021 13:01	10.6 MB	
	55446 - EGroupware FrOSCon 2021.odp	14.08.2021 12:42	10.6 MB	
	55441 - EGroupware FrOSCon 2021.odp	14.08.2021 09:57	10.6 MB	
	55439 - EGroupware FrOSCon 2021.odp	13.08.2021 19:01	10.4 MB	
	55437 - EGroupware FrOSCon 2021.odp	13.08.2021 18:49	11.2 MB	

At the bottom of the window, there are buttons for 'Speichern', 'Übernehmen', 'Abbruch', and a 'Superuser' button.

The 'Änderungshistorie' dialog box shows the change history for 'EGroupware FrOSCon 2021.odp'. It lists the current version and a history of previous versions with their timestamps and edit/delete actions.

Änderungshistorie	
EGroupware FrOSCon 2021.odp	
Aktuelle Version	
14.08.2021 13:13	
14.08.2021 13:01	
14.08.2021 12:42	
14.08.2021 09:57	
13.08.2021 19:01	
13.08.2021 18:49	

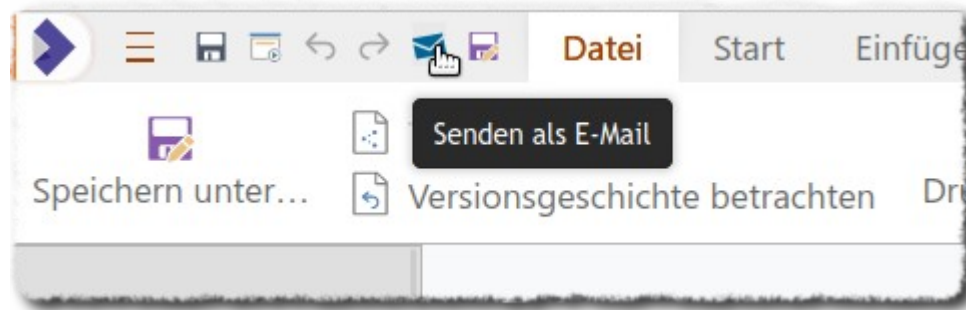
A dropdown menu is shown with the following options: 'intergrund', 'objekte', and 'Masteransicht'.

COOL in Filemanager/Filesharing



In COOL

Send file
by e-mail



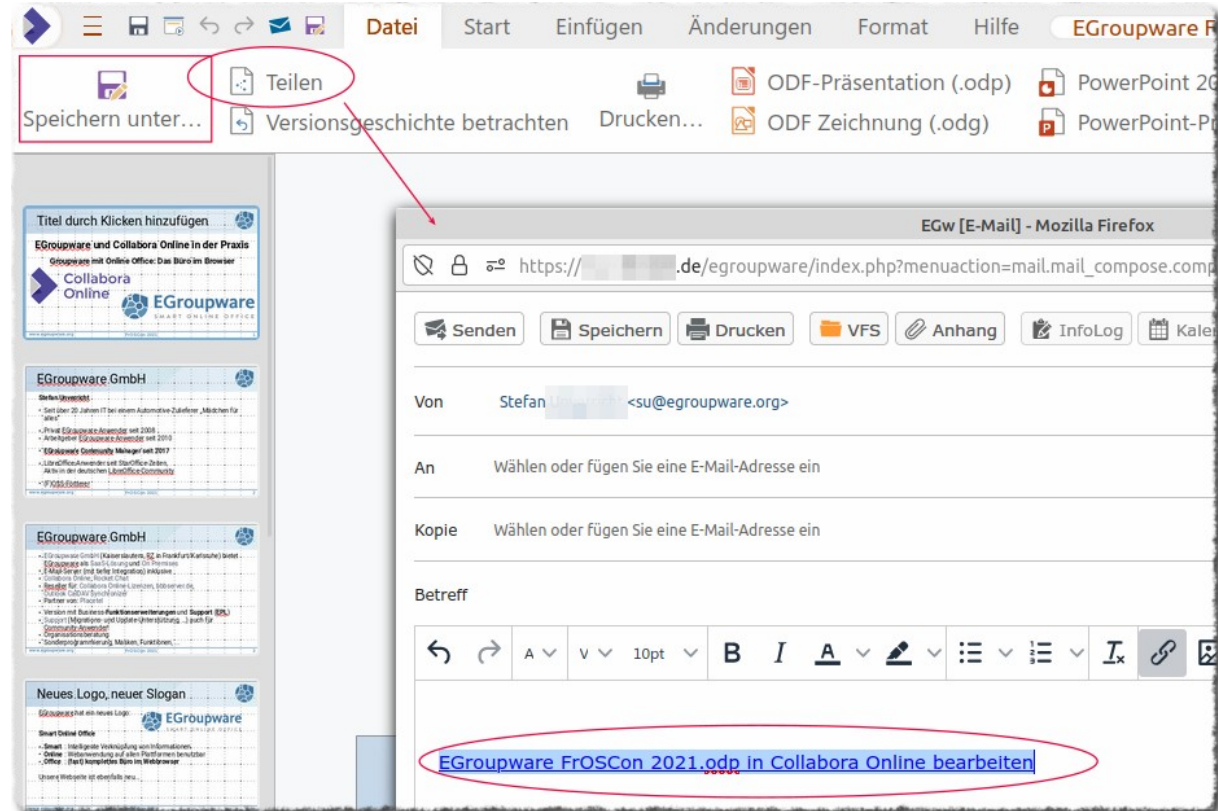
COOL in Filemanager/Filesharing



Filesharing

File sharing

Save as...

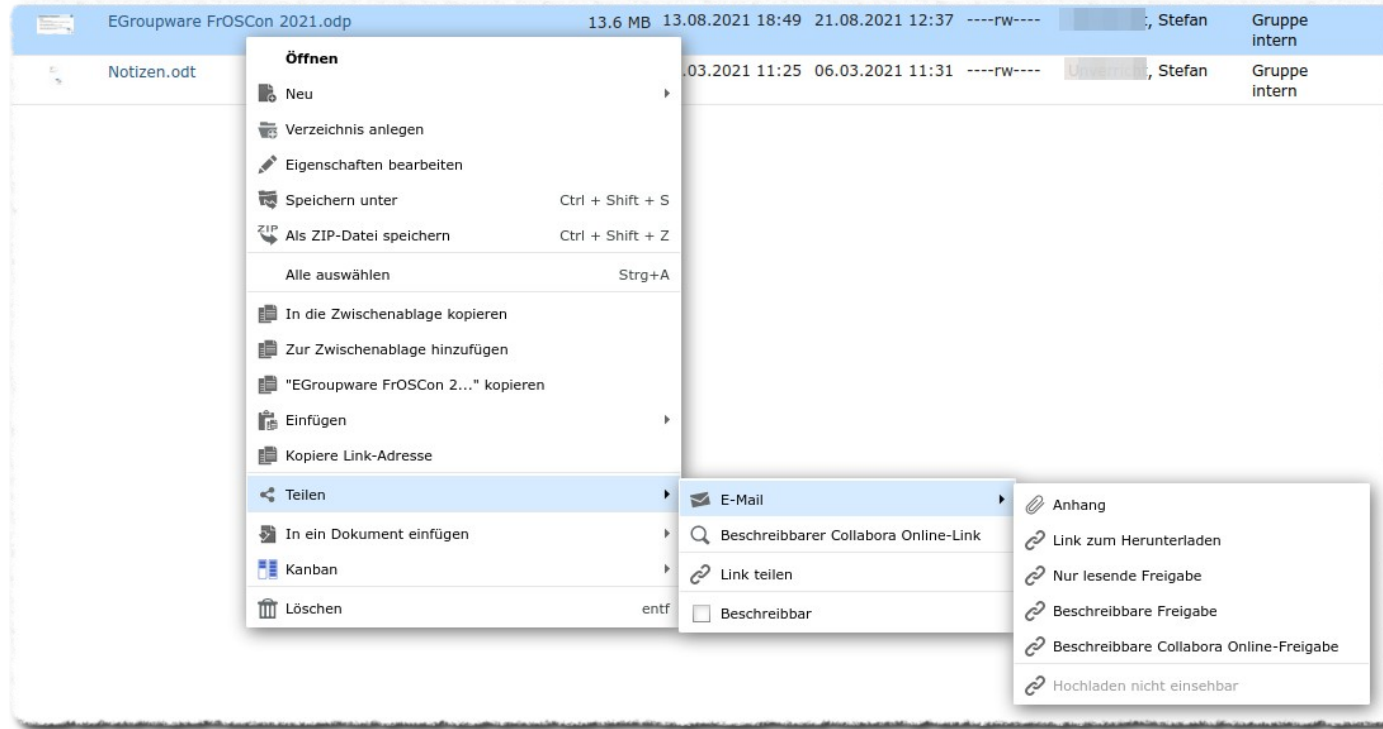


COOL in Filemanager/Filesharing



Filesharing

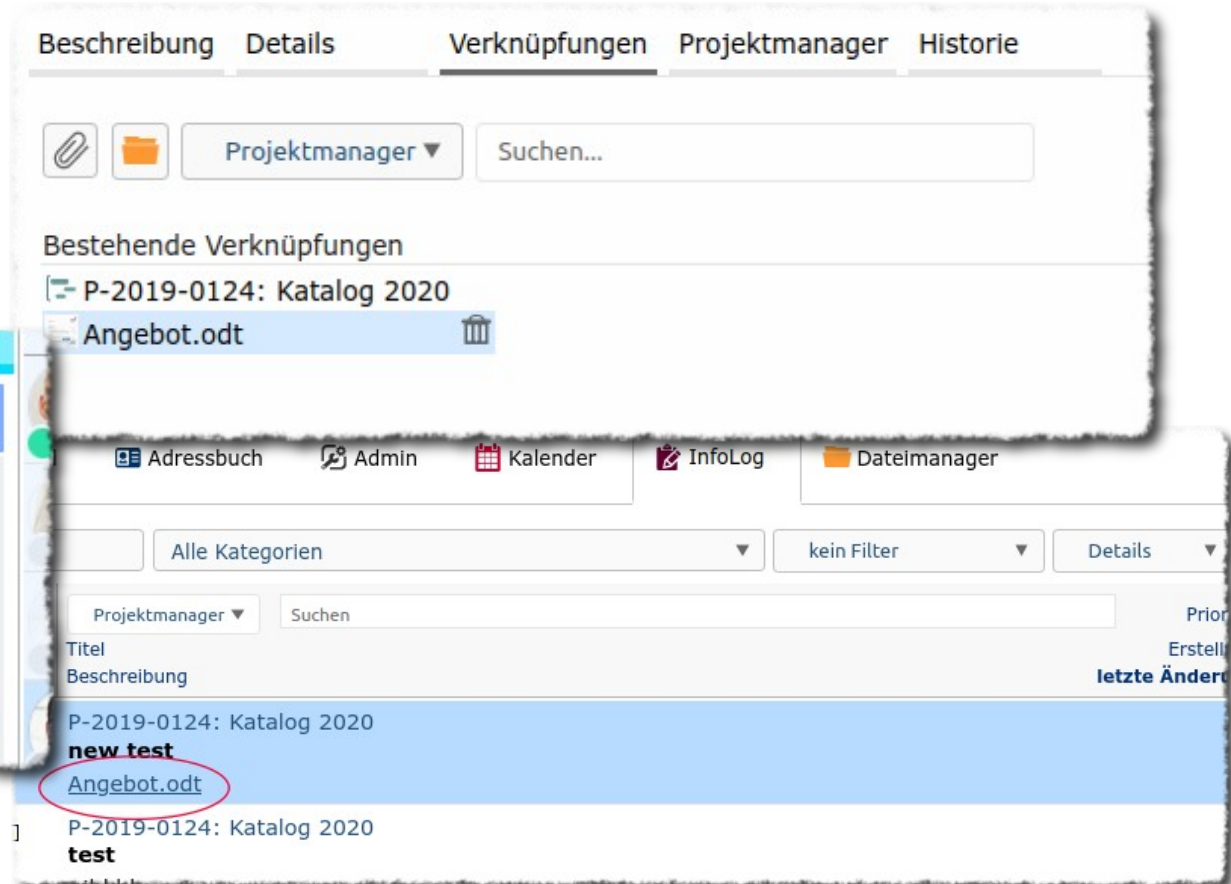
File/Folder Sharing
from file manager



COOL in Filemanager/Filesharing



Also opens files from
Tasks, Projects, Kanban,
etc. :

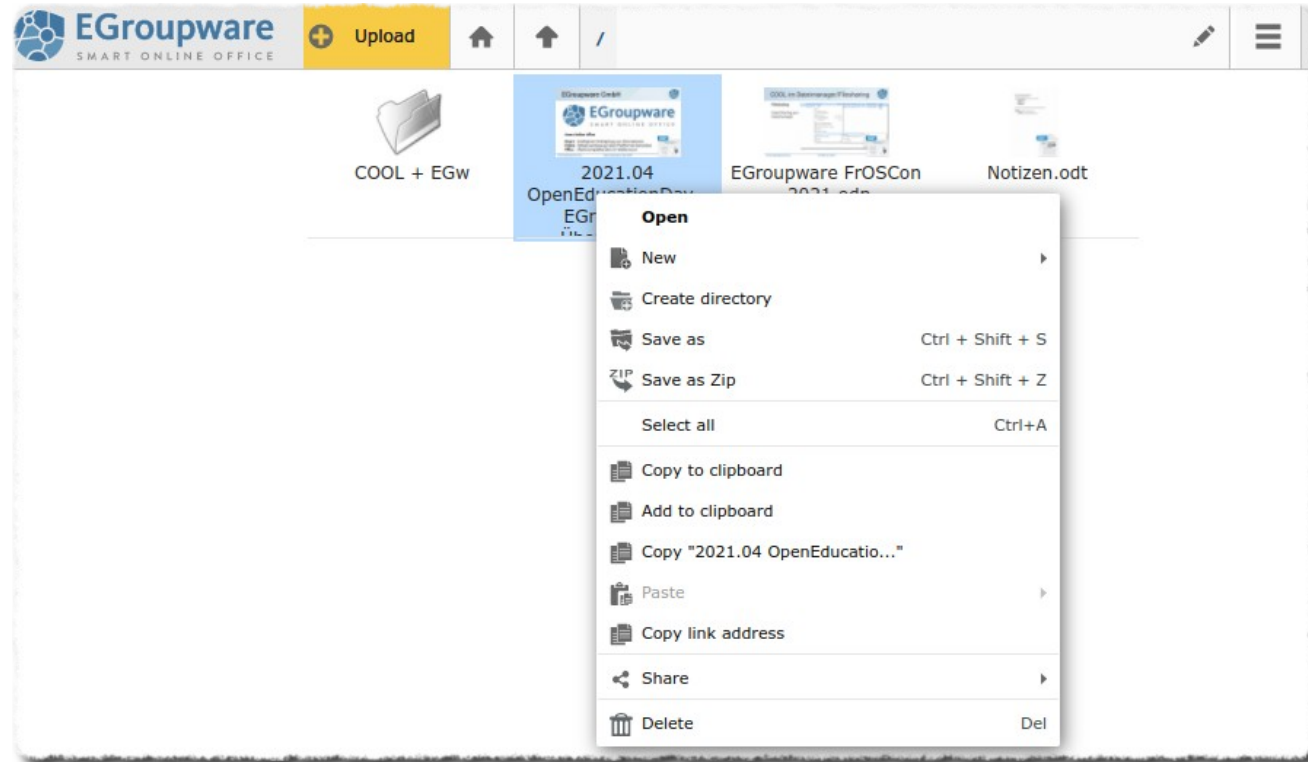


COOL in Filemanager/Filesharing



Filesharing

- Files or folders can also be shared for editing via file sharing.
- This is possible for both external and internal users.





Document generation

Document generation



• Placeholders

Kontaktfelder:

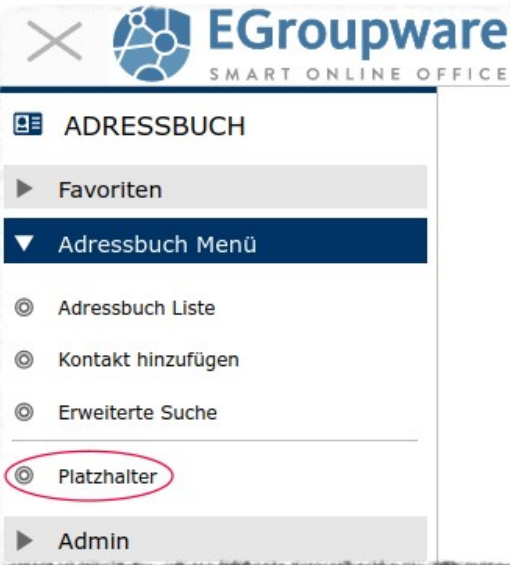
`{{id}}` Kontakt ID
`{{private}}` Privat
`{{categories}}` Kategorien Pfad
`{{n_given}}` Vorname
`{{n_family}}` Nachname
`{{n_fn}}` vollständiger Name
`{{bday}}` Geburtstag
`{{org_name}}` Organisation
`{{title}}` Position
`{{assistant}}` Assistent
`{{adr_one_street}}` Straße geschäftlich
`{{adr_one_locality}}` Stadt geschäftlich
`{{adr_one_postalcode}}` PLZ geschäftlich
`{{adr_one_countrycode}}` Ländervorwahl geschäftlich
`{{adr_two_street2}}` Adresszeile 2 (Privat)
`{{adr_two_region}}`
`{{adr_two_countryname}}`
`{{tel_work}}`

Allgemeine Felder:

`{{link}}` HTML-Link zum aktuellen Datensatz
`{{links}}` Titel der Verknüpfungen zu dem aktuellen Eintrag ohne Dateien.
`{{attachments}}` Liste der Dokumente, die zu dem aktuellen Datensatz gehören.
`{{links_attachments}}` Verknüpfungen zu anderen Datensätzen und angefügten Dateien
`{{links/[appname]}}` Verknüpfungen zu bestimmten Anwendungen. Beispiel: `{{links/infolog}}`
`{{date}}` Datum
`{{user/n_fn}}` Name des aktuellen Benutzers, auch alle anderen Kontaktfelder sind erlaubt
`{{user/account_id}}` Benutzername
`{{pagerepeat}}` Wenn Sie Serienbriefe erzeugen möchten, dann benutzen Sie dieses 'Markier-
zeichen zwischen zwei 'Seiten-Wiederholungs-Zeichen'.
`{{label}}` Benutzen Sie diesen Markierungszeichen für Adresstiketten. Platzieren Sie
`{{labelplacement}}` Markierungszeichen, um die Positionen von Adresstiketten zu markieren
`{{IF fieldname}}` Beispiel: `"{{IF n_prefix~Herr~Sehr geehrter~Sehr geehrte}}"` - suche in der
"Sehr geehrte". Es ist auch möglich anstatt fixer Werte, den Wert eines anderen
Feldes zu verwenden. Beispiel `{{NELF role}}` - Erzeugt einen Zeilenumbruch, wenn das Feld role
nicht leer ist.
`{{NELF}}` Beispiel `{{nenvlf role}}` - Erzeugt einen Zeilenumbruch, wenn das Feld role
nicht leer ist.
`{{LETTERPREFIX}}` Beispiel: `{{LETTERPREFIX}}` - Ergibt eine Anrede ohne doppelte Leerzeichen
`{{LETTERPREFIXCUSTOM}}` Beispiel für `{{LETTERPREFIXCUSTOM n_prefix title n_family}}` - Beispiel: H

Benutzerdefinierte Felder:

`{{#XING}}` XING
`{{#GULP}}` GULP
`{{#LinkedIn}}` LinkedIn
`{{#Facebook}}` Facebook
`{{#twitter}}` Twitter
`{{#jabber}}` Jabber
`{{#Nachpflegeinfo}}` Nachpflege Info
`{{#Nickname}}` Nickname ECU



Document generation



- **Placeholders**
- (Almost) all fields are available as variables
- User-defined fields are also offered
- Overview is generated dynamically
- Functions (if-then-else), ...
- Cross-module access (e.g. participant data appointment)
- Page repetition, functions for address labels
- Links to the record
- Links to attachments

Document generation



- User-defined fields are created in EGroupware!:

The screenshot displays the EGroupware administration interface. On the left is a sidebar menu with categories like 'Admin', 'Benutzerkonten', 'Benutzergruppen', and 'Anwendungen'. The 'Benutzerdefinierte Felder' (User-defined fields) option is highlighted. The top navigation bar shows 'Adressbuch - Typ' with a dropdown menu set to 'contact'. Below this is a table of existing user-defined fields.

Typ	Name	Beschreibung	Feldtyp	Benötigt	Privat	Optionen
alle	XING	XING XING	Webseite		Gruppe intern	
alle	GULP	GULP GULP	Webseite		Gruppe intern	
alle	LinkedIn	LinkedIn LinkedIn	Webseite		Gruppe intern	
alle	Facebook	Facebook Facebook	Webseite			
alle	twitter	Twitter Twitter	Webseite			
alle	jaber	Jabber Jabber	E-Mail			
contact	Nachpflegeinfo	Nachpflege Info Nachpflege Info	Textfeld			
alle	Nickname	Nickname EGw Forum Nickname EGw Forum	Textfeld		Gruppe EGwKunden	
alle	profilEGwforum	Profil EGw Forum Profil EGw Forum	Webseite		Gruppe EGwKunden	
alle	egwtyp	EGw Typ EGw Typ	Auswahlbox		Gruppe EGwKunden	0=bitte Auswählen CE=CE EPL=EPL Reseller=Reseller Partner=Partner

On the right, a modal window is open for creating a new user-defined field. It has tabs for 'Name', 'Einstellungen', and 'Typ'. The 'Typ' tab is active, showing a list of field types: Textfeld, Passwort, Ganzzahl, Float, Beschriftung, Auswahlbox, Suchen, Radioknopf, Checkbox, Datum, and Datum+Uhrzeit. The 'Textfeld' option is selected. Below the list, there is a section for 'Typ des Benutzerdefinierten Feldes' (Type of user-defined field) with a dropdown menu and a text input field labeled 'Benutzer oder Gruppen eingeben'.

Document generation



Placeholders are inserted into the template documents.

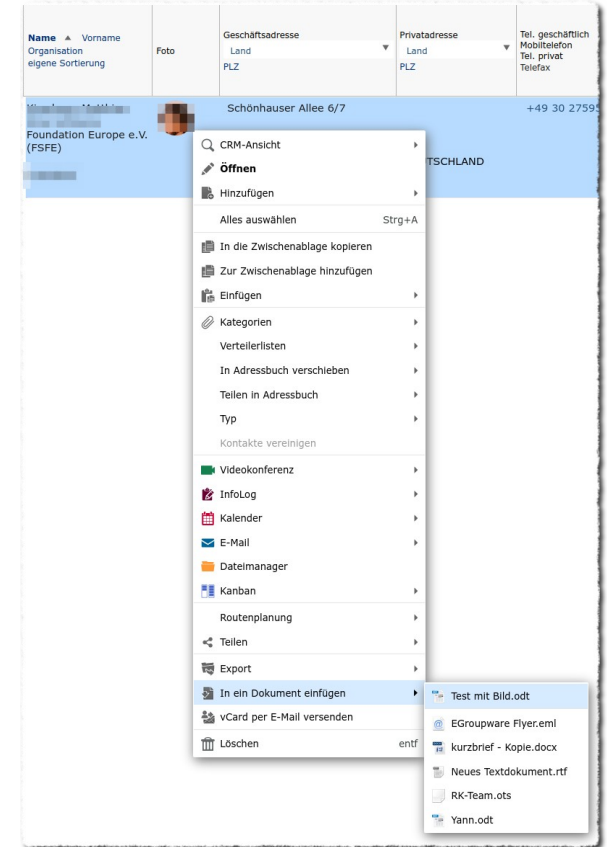
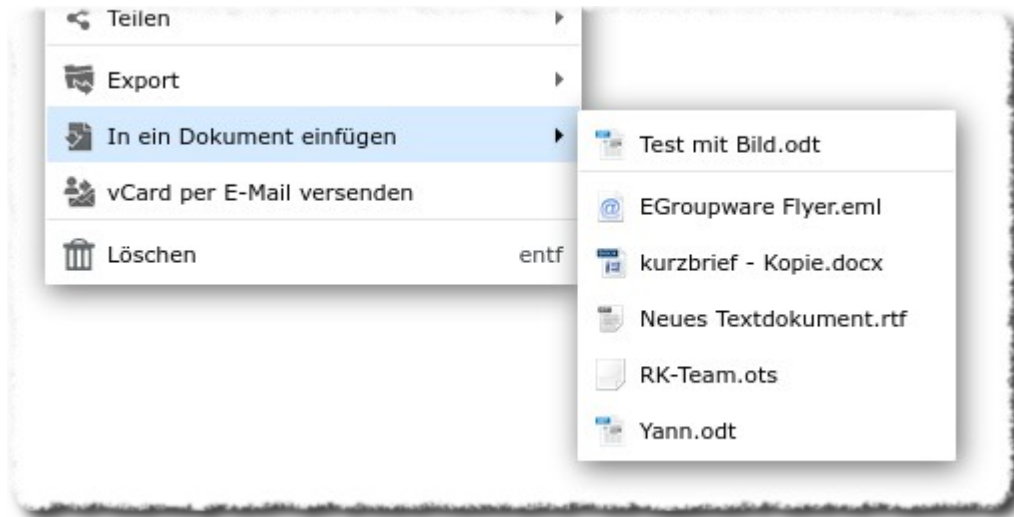
Zantir Nautic, Am Hafen 9, 21079 Hamburg

```
{{n_given}} {{n_family}}  
{{adr_one_street}}  
{{adr_one_postalcode}} {{adr_one_locality}}  
{{adr_two_countrypname}}
```

Document generation



From EGroupware, (template) documents can be generated from a process or data set (several...).



Document generation



- **In Documents**

File formats: Open Document (odt, ods, odp), MS-Formate, rtf

- From modules
 - Contacts
 - Calendar
 - InfoLog
 - File manager
 - Ticket system
 - Project Manager
 - Time recording
 - Own application

Document generation example



EGroupware
SMART ONLINE OFFICE

E-Mail Adressbuch Admin Kalender InfoLog Dateimanager

AGER

/ templates / **addressbook**

Typ	Name	Größe	verändert
	190606_Angebot_2019.odt	163.8 KB	23.06.2017 15:30
	Adress_Etiketten.odt	11.6 KB	26.07.2019 13:30
	Angebot mit Platzhaltern.odt	60.1 KB	07.06.2017 18:30
	Druck-Kontakte.odt	17.7 KB	21.10.2016 13:30
@	EGroupware Kontakt Verifikation gemäß DSGVO.eml	3.6 KB	05.06.2018 20:30
@	EGroupware-Leistungsangebot-Softwarepaket-EPL-Smart.ods	361.1 KB	15.03.2018 13:30
@	Frohe Weihnachten.eml	24.4 KB	07.06.2017 19:30
	Papier_EGw_Vorlage.odt	201.0 KB	05.10.2017 15:30
	Report-Kontakte-lang .ods	10.0 KB	21.10.2016 13:30
	Report-Kontakte.ods	9.6 KB	21.10.2016 13:30
	Serial-letter.odt	30.2 KB	03.12.2014 13:30

Zantir Nautic

ODT

als
er M
s Ver
rupp

Document generation example



davs:// /templates/addressbook

Name	Größe	Dateityp
 190606_Angebot_2019.odt	167,7 kB	Dokument
 Adress_Etiketten.odt	11,9 kB	Dokument
 Angebot mit Platzhaltern.odt	61,5 kB	Dokument
 Druck-Kontakte.odt	18,2 kB	Dokument
 EGroupware Kontakt Verifikation gemäß DSGVO.eml	3,7 kB	Text
 EGroupware-Leistungsangebot-Softwarepaket-EPL-Smart.ods	369,7 kB	Tabellendokument
 Frohe Weihnachten.eml	24,9 kB	Text
 Papier_EGw_Vorlage.odt	205,8 kB	Dokument
 Report-Kontakte.ods	9,8 kB	Tabellendokument
 Report-Kontakte-lang .ods	10,3 kB	Tabellendokument
 Serial-letter.odt	30,9 kB	Dokument
 Serienbrief.odt	167,0 kB	Dokument
 Test mit Platzhaltern Kundennummer.eml	15,5 kB	Text
 .72e79d890dae5d1c05ed843a35325809.webodf.odt	168,1 kB	Dokument
 .e61ba7e6e989028fe7b4605ac66371d1.webodf.odt	167,7 kB	Dokument
 .ed4fdf124c1b632d919ece765e066ab9.webodf.odt	61,5 kB	Dokument
 .f92c1ae9ae81379c90f8806aedf6881b.webodf.odt	30,9 kB	Dokument

Document generation example



Document generation example showing a form layout with fields and placeholders.

Fields and placeholders visible:

- Zantir Nautic, Am Hafen 9, 21079 Hamburg
- {{n_given}} {{n_family}}
- {{adr_one_street}}
- {{adr_one_postalcode}} {{adr_one_locality}}
- {{adr_two_countryname}}
- ANGEBOT
- Kundennummer {{#custumern}}

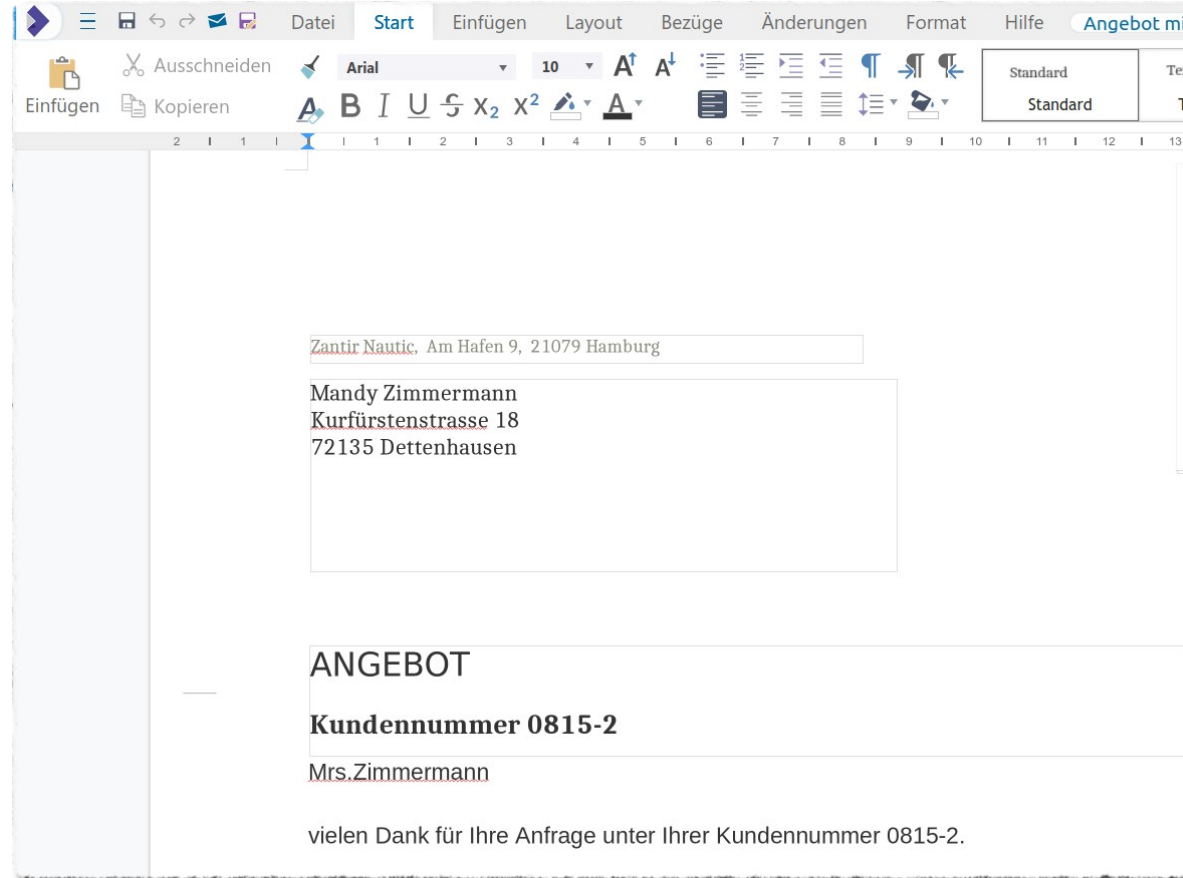
Document generation example



Typ	Name Vorname Organisation eigene Sortierung	Foto	Geschäftsadresse Land PLZ	Tel. geschäftlich Mobiltelefon Tel. privat Telefax	Webseite E-Mail geschäftlich E-Mail privat
	Zimmermann, Mandy House Works		Kurfürstenstrasse 18 72135 Dettenhausen DEUTSCHLAND	07157 13 74 76	MandyZimmermann@jourapic

- CRM-Ansicht
- Öffnen
- Hinzufügen
- Alles auswählen Strg+A
- In die Zwischenablage kopieren
- Zur Zwischenablage hinzufügen
- "Zimmermann, Mandy" kopieren
- Einfügen
- Kategorien
 - Verteilerlisten
 - In Adressbuch verschieben
 - Teilen in Adressbuch
 - Typ
- Kontakte vereinigen
- Videokonferenz
- InfoLog
- Kalender
- E-Mail
- Datelmanager
- Kanban
- Routenplanung
- Teilen
- Export
- In ein Dokument einfügen
 - ODT Datei (application/vnd.oasis.opendocument.text)
 - 190606_Angebot_2019.odt
 - Adress_Etiketten.odt
 - Angebot mit Platzhaltern.odt
 - Druck-Kontakte.odt
 - Papier_EGw_Vorlage.odt
 - Serial-letter.odt
 - Serienbrief.odt
 - EML Datei (message/rfc822)
 - ODS Datei (application/vnd.oasis.opendocument.spreadsheet)
- vCard per E-Mail versenden
- Löschen

Document generation example





Examples from practice

Examples from practice



- **Digital lawyer**
- Has been using EGroupware for many years
- Since availability also Collabora Online
- EGroupware Hosting
- Single lawyer, several employees
- Incoming mail is scanned and filed in the processes
- Documents are generated from EGroupware
- If necessary, signed documents are scanned and assigned again
- ...

Examples from practice



- **Digital lawyer**

The central application is Infolog, which is used to manage the files. User-defined fields were created for this purpose, which contain the data for processing the case. For example, the file number, etc.

~ 113 fields

Benutzerdefinierte Felder:

{{#re_nr}}	Rechnungsnummer
{{#re_anno}}	Rechnung im Jahr
{{#a}}	----- A K T E -----
{{#az}}	Aktenzeichen
{{#akte_anno}}	Akte aus dem Jahr
{{#auftrag}}	Erstberatung oder Mandat
{{#wgn}}	Angelegenheit
{{#b}}	----- M A N D A N T -----
{{#betr}}	Vertreter Mandant
{{#betr_prefix}}	Vertreter Anrede
{{#mndt_2}}	2. Mandant
{{#mndt_2_prefix}}	2. Mandant Anrede
{{#c}}	----- G E G E N S E I T E -----
{{#ggs_1}}	1. Gegenseite (auch Elternteil bei Unterhalt Kind)
{{#ggs_1_prefix}}	1. Gegenseite Anrede
{{#ggs_1_az}}	1. Gegenseite Aktenzeichen
{{#ggs_ra_1}}	1. Gegenseite Anwalt
{{#ggs_ra_1_prefix}}	1. Gegenseite Anwalt Anrede

Examples from practice



- **Digital lawyer**

In addition, user-defined fields were created in the address book, which contain personal data of the participants.

~ 114 fields

Benutzerdefinierte Felder:

{{info_contact/#a}}	--- P E R S O N ---
{{info_contact/#geburtsdatum}}	Geburtsdatum
{{info_contact/#geburtsort}}	Geburtsort
{{info_contact/#geburtsname}}	Geburtsname
{{info_contact/#gebregnr}}	Geburts Reg. Nr.
{{info_contact/#gebstandesamt}}	Geburtsstandesamt
{{info_contact/#staat}}	Staatsangehörigkeit
{{info_contact/#einkom}}	Einkommen mtl.
{{info_contact/#job}}	Erwerbstätigkeit als
{{info_contact/#drv_nr}}	Sozialversicherung Nr.
{{info_contact/#stid}}	Steuer-Ident-Nr.
{{info_contact/#tod_date}}	Todestag

Examples from practice



- **Digital lawyer**
- The placeholders were inserted into documents.
- The documents are managed in subdirectories in the file manager.
- Also uses LibreOffice on PC and Collabora Online to manage the documents in the file manager.
- Right-click on the file in Infolog to create the documents.

Examples from practice



- **Digital lawyer**

Possibility for improvement:

- Create the (opposing) lawyers (gradually) as a separate contact. If necessary, in a separate address book to keep them out of the synchronisation and with their own contact type and masks.
- User-defined field in InfoLog: Opposing lawyers
Then descend in print and get contact data from the linked contact

Examples from practice



- **Event organisation**
- Association with youth farm and affiliated Waldorf kindergarten
- Administration/organisation of children's holiday camps
- Get (eTemplate) mask individualised, e.g. to be able to offer registrations for parents online.
- Parents register themselves in EGroupware and register children for camps.

Examples from practice



- **Event organisation**

The InfoLogs (different types with user-defined fields) are then confirmed by staff members via e-mail templates. Invoices are generated via templates and sent to parents.

Collabora Online is used for editing office documents.

- GDPR-compliant
- No (inflexible, expensive) industry software



Info

Try EGroupware



- [Live-Demo](#)
- [30-day test system in the EGroupware DC](#) (including Rocket.Chat, Collabora Online, smallPART, Guacamole and email)
More time is available on request, possible transfer of data to productive system if interested.
- [UCS installation](#) (from App-Center or as Appliance)
- Self installation ([GitHub-Wiki](#))
- NAS (QNAP/Synology with Docker or as VM (better))

EGroupware informationen



- **Forum** (Announcements, extended Release Notes!)
- Webseite
- GitHub (Wiki)
- Twitter, Facebook, LinkedIn, XING, Mastodon
- Flyers on EGroupware and various integrations always up to date at:
<https://www.egroupware.org/de/community>
- Reviews Linux-Magazin, IT-Administrator
- info@egroupware.org: (customised) offers, licensing issues, Collabora online licences, ...

EGroupware informationen



Join our community forum (and get the latest announcements)

<https://help.egroupware.org/>

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EGroupware lectures



- LibreOffice Online in EGroupware [FrOSCon 2019](#), [CLT 2019](#)
- Jitsi und Guacamole in EGroupware [Kielux 2020](#)
- EGroupware als Anwender und Admin [Tux-Tage 2020](#)
- More videos on [Youtube/EGroupware](#)
- Webinar: [Vorstellung der smallPART Anwendung in EGroupware](#)
- Webinar: [Neue Kanban Anwendung in EGroupware](#)
- Webinars [CTI in EGroupware](#), [Neuerungen EGroupware 21.1](#)

EGroupware lectures



- Grazer Linux Tage 2021: [Neues in EGroupware 21.1](#)
- Chemnitzer Linux Tage 2021:
[EGroupware im Homeoffice und in Bildungseinrichtungen Video und Vortragsfolien](#)
- Overview in the flyer: [EGroupware Community Flyer](#)



Thank you for your interest !

Contact: su@egroupware.org

Forum: help.egroupware.org

Questions/answers from lecture



Various questions were asked during the lecture, some of which could not be answered or explained in sufficient detail.
On the following pages you will find the detailed answers.

Questions/answers from lecture



[18:00] guest-charli#103: **Aren't macros in Collabora much less dangerous** than in a desktop application? You still have the browser as a sandbox, so to speak?

[18:02] stefanu: The risk increases. That's why it is NOT switched on by default and is released in a controlled way by the admin.

[18:02] guest-charli#103: ok, thanks :)

[18:03] stefanu: It works with macros but of course not everything. Especially due to the online technology. Access to external data etc...

Short answer: Yes, the Online Office is much more secure per se and also especially the allowing/execution of macros.

Questions/answers from lecture



When macros are executed in a Collabora Online, they (as well as the document) run in a sandbox on the Collabora Online server. From there, for technological reasons, there is no access to the user device (via the web browser) and also no access to the file host (EGroupware).

The execution of macros is technically limited and thus also reduces the attack surface. The execution (and the security level) must be explicitly switched on (by the admin).

Collabora Online also does not store (user) files on the Collabora Online system. The user data remains in the memory.

Questions/answers from lecture



Otherwise, the security functions/properties of COOL itself apply: COOL runs in a Docker container, there are several layers of protection all the way down to the actual editing.

Links to macros in Collabora Online:

[How to use and manage Basic and VBA compatible macros in Collabora Online](#)

[Major new features with macros and Draw in Collabora Online update](#)

Older presentation slides:

<https://indico.cern.ch/event/663264/contributions/2819350/attachments/1592312/2520431/cs3-2018-collabora-online.pdf>

Questions/answers from lecture



[18:05] guest-fritz#429: What resources (RAM/CPU) should you plan for small deployments (approx. 5 users)?

[18:06] stefanu: 2CPU/2GB; I'll say something else about that in a moment...

[18:06] guest-fritz#429: all right :) Thanks

For 5 users, 2CPU/2GB including EGroupware is sufficient. With Rocket.Chat, mail server and Guacamole, 4GB RAM should be used. As a lower limit.

If resources are available, you can also use 4CPU/6GB (complete installation). Memory in particular is always good.

You should install on a system on which you can scale the resource (VM, vServer). With NAS it is usually more difficult in this respect.

Questions/answers from lecture



[18:07] guest-tux#644: **Do I see it right that the InfoLog does not support TaskDAV?** Normally tasks are mapped via TaskDAV for external clients...not with EGroupware?

[18:09] stefanu: TaskDAV? I have CalDAV on my mobile phone... Maybe we mean the same thing...

[18:09] guest-tux#644: Maybe...in the end it's about calendar, contacts and tasks via xDAV. If that runs with EGroupware via CalDAV...also good :)

Short answer:

EGroupware provides InfoLogs (tasks) as CalDAV.

Questions/answers from lecture



I was puzzled by the term TaskDAV. Have I missed something over the last few years?

No. There is no TaskDAV.

The exchange of sync data (addresses, appointments, tasks, ...) is done via the WebDAV protocol. This is an extension of http and enables the bidirectional exchange of files. This includes ics or vcf files.

The sync of tasks is done by exchanging ics files via WebDAV.

Questions/answers from lecture



Documentation in the EGroupware Community Forum:

Zugriff auf EGroupware per WebDAV (CalDAV/CardDAV)

<https://help.egroupware.org/t/zugriff-auf-egroupware-per-webdav-caldav-carddav/74142>

Synchronisation can be set up with a Thunderbird

<https://help.egroupware.org/t/zugriff-auf-egroupware-per-webdav-caldav-carddav/74142#thunderbird>

or Outlook

<https://help.egroupware.org/t/zugriff-auf-egroupware-per-webdav-caldav-carddav/74142#outlook>

Questions/answers from lecture



[18:19] guest-foo#687: What about a 400 user environment? 2C/2GB won't be quite enough, will it? ;-)

[18:24] guest-foo#687: Thanks =)

Short answer:

The decisive factor is documents that are open at the same time. If many of 400 users are working at the same time:

Then 2CPU/2GB might not be enough.

Questions/answers from lecture



COOL is basically resource-saving. Because it shares resources on a server and does not have to keep resources on standby on each end device. This means that even large documents can be processed on weak terminals. Nevertheless, every document on the server runs in a LibreOffice process and thus requires RAM.

In addition to RAM/CPU, however, the bandwidth/connection of the COOL instance must also be taken into account. The user experience is very much dependent on this.

Really binding and reliable figures are hard to come by. It depends extremely on the workload (user, active user, number of open documents, how actively the user works/scrolls, document size, etc.).

Questions/answers from lecture



Here is an example calculation from Collabora:

- 10 active users / CPU thread (~ limit for simultaneous editing of one document)
- 50MB RAM / active user
- 100kbit/s / active user

5000 'users' => 500 concurrent users:

- 50 CPU threads
- 25 GB RAM
- 50 Mbit bandwidth

This means that even large installations can be operated (affordably) on one machine (without taking HA into account). The above values are quite conservative, i.e. generous.

Questions/answers from lecture



You should install on a machine where you can increase the resource if necessary. But by all means start with low values.

With SaaS providers such as EGroupware GmbH, active users are counted and the provider must provide sufficient resources with a mixed calculation. So in this case you don't have to worry about anything else and you get the necessary service for a flat-rate price.

For advice (resources/licences, On Premises or SaaS), a short e-mail to info@egroupware.org is sufficient.