

The logo consists of a square with a vertical gradient from green at the top to teal at the bottom. The word "Hyland" is centered in white serif font, with a small trademark symbol (TM) to the upper right of the 'd'.

Hyland™

Alfresco TTL #144

HANDOUT

Hyland™



TLDR: THE LGPL LICENSE EXPLAINED



The screenshot shows a web browser displaying a blog post on the Alfresco Hub. The browser's address bar shows the URL: <https://hub.alfresco.com/t5/alfresco-content-services-blog/tldr-the-lgpl-license-explained/ba-p/314998>. The page header includes the Alfresco logo and navigation links for Products, Solutions, Choosing Alfresco, and Using Alfresco. There are buttons for 'TRY NOW' and 'CONTACT US'. The main content area features the title 'TLDR: the LGPL license explained' and a search bar. Below the title, there are navigation links for 'Alfresco Content Services', 'Alfresco Process Services', and 'Application Development Framework'. The breadcrumb trail reads 'Alfresco Hub > ACS - Blog > TLDR: the LGPL license explained'. The article is authored by 'ttoine', a Community Manager, and was published on '18 Jan 2023 4:08 PM'. The article text begins with: 'As you know, we utilize the LGPLv3 license to publish the Alfresco Community. In this blog article, I will explain the basics of this license: why Free Software Foundation created it; a bit of its history; how it applies in the real world for developers, integrators, and application builders; and best practices for legal compliance of your projects.' A section titled 'A bit of history and context' follows, starting with: 'The Free Software Foundation (FSF) published the LGPL in 1991 as version number 2, to go with the GPLv2 license. At the origin it was called Library General Public License. Its purpose was to give more freedom for integration and redistribution than the GPL, particularly with shared libraries used as dependencies of larger applications. This is a compromise between the strong GPL license, and the permissive licenses like the BSD license...'. On the right side, there is a sidebar titled 'Alfresco Content Services Blog' with a description: 'Ask for and offer help to other Alfresco Content Services Users and members of the Alfresco team.' Below this, there are 'Related links' including: [ACS Guides & Blog Posts](#), [Download Community Edition](#), [Community Edition 7.1 GA Release Notes](#), [Start a trial of Alfresco Content Services](#), [Alfresco Addons](#), and [Alfresco Content Services Archive](#). There is also a green chat bubble icon at the bottom right of the sidebar.

TLDR: THE LGPL LICENSE EXPLAINED



- LGPL allows to embed software into other softwares as a dependency, including proprietary software
- Perfect for integration into a comprehensive information system
- If you modify/improve, you must share your code in LGPL too
- Mandatory to share sources if you share/distribute


DOCKER



angelborroy's Profile | Docker | X +




https://hub.docker.com/u/angelborroy

docker hub Search Docker Hub Explore Repositories Organizations Help Upgrade ttoine

 **angelborroy**
Community User keensoft UST Global Zaragoza, Spain Joined February 6, 2016

Repositories Starred

Displaying 1 to 16 repositories

-  **angelborroy/alfresco-extension** · 1.5K · 0
By [angelborroy](#) · Updated 15 days ago
Image
-  **angelborroy/alfresco-installer** · 143 · 0
By [angelborroy](#) · Updated 20 days ago
Image
-  **angelborroy/alfresco-share** · 26 · 0
By [angelborroy](#) · Updated 22 days ago

RESOURCES



▪ GitHub

- <https://github.com/aborroy/alfresco-installer>
- <https://github.com/AlfrescoLabs/alfresco-docker-extension>

▪ Docker

- <https://hub.docker.com/u/angelborroy>

▪ LGPL license

- <https://hub.alfresco.com/t5/alfresco-content-services-blog/tldr-the-lgpl-license-explained/ba-p/314998>

TTL SPEAKERS WANTED!



Topics

- Showcase of your best work
 - Tips and tricks
 - Discussions on best practices
-
- About Alfresco, Nuxeo, and associated technologies



Benefits for Speakers

- Visibility in the ecosystem
- Goodies
- And other advantages



Online Editing Tools for Alfresco

- **Angel Borroy**
 - **Technical Evangelist at Hyland**

Alfresco TTL #144

QUESTION & ANSWERS

Hyland™



Hyland™

Collaborative Editing Tools for Alfresco

**ENHANCING COLLABORATION
EXPERIENCE WITH ALFRESCO**

Angel Borroy
Developer Evangelist

February 15, 2023

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Hyland™



AGENDA

Alfresco

- SharePoint Protocol (AOS)
- Google Drive
- Microsoft 365

Community

- ONLYOFFICE
- Collabora Online










Google Drive



ONLYOFFICE



EDITING TOOLS FOR ALFRESCO

	Maintainer	Share	ADF	Collaboration	On Premise	Community
AOS		✓	✓	✗	✓	✓
Google Drive		✓	✗	✓	✗	✓
Microsoft 365		✗	✓	✓	✗	✗
ONLYOFFICE	 	✓	✓	✓	✓	✓
Collabora Online	 	✓	✓	✓	✓	✓

AOS

SHAREPOINT PROTOCOL



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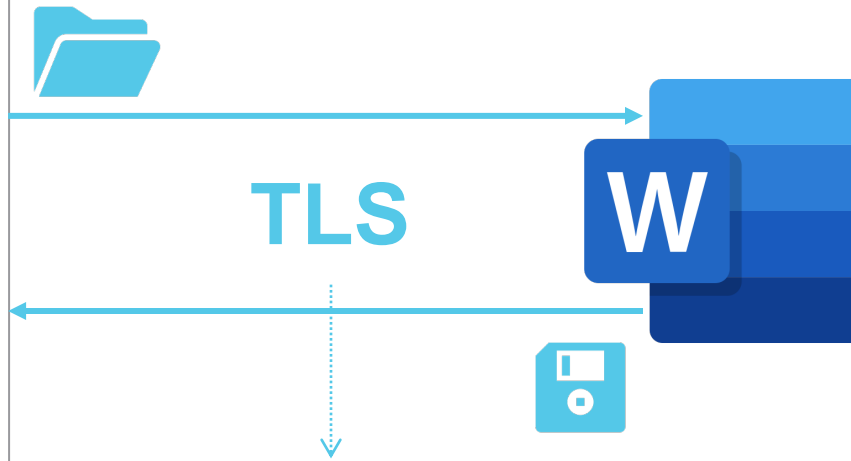
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Local Program

Trusted Certificate

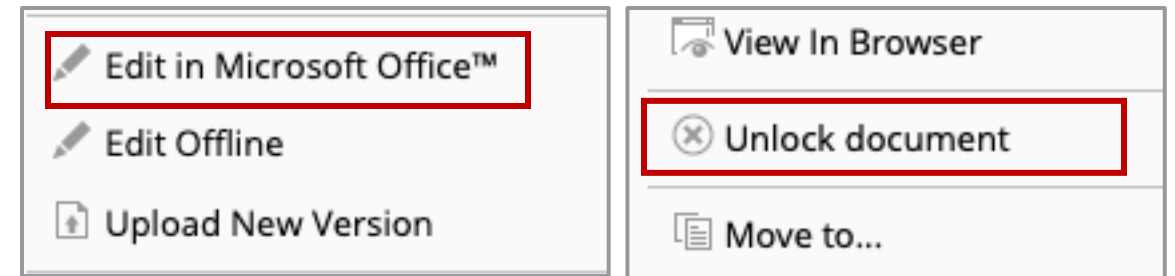
- Add manually *self-signed* certificate to local keystore
- Use an *out-of-the-box* trusted certificate



AOS *SharePoint Protocol*

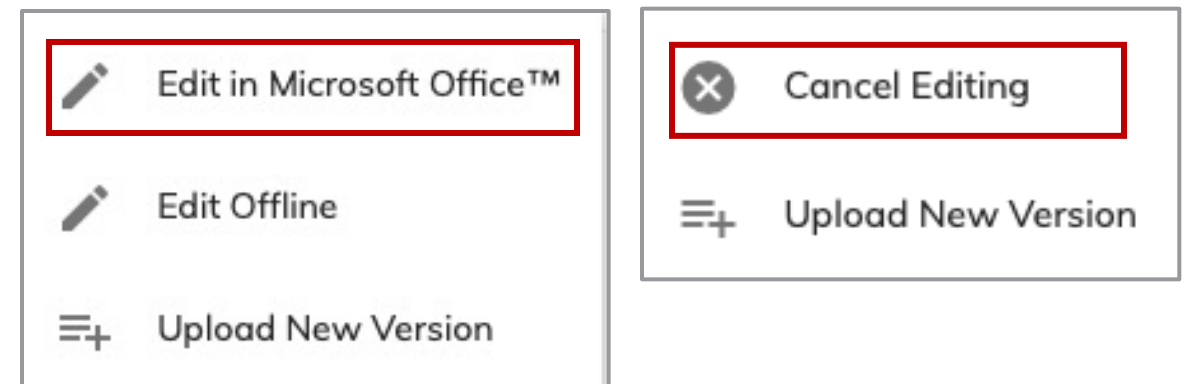
- [Documentation](#)
- [Source Code](#) (customer credentials)
- Available for Share and ACA / ADW
- Available for Community and Enterprise

Share



A context menu for a document in the Share environment. It contains three items in the left column: 'Edit in Microsoft Office™' (highlighted with a red box), 'Edit Offline', and 'Upload New Version'. The right column contains three items: 'View In Browser', 'Unlock document' (highlighted with a red box), and 'Move to...'.

Alfresco Content Application



A context menu for a document in the Alfresco Content Application. It contains three items in the left column: 'Edit in Microsoft Office™' (highlighted with a red box), 'Edit Offline', and 'Upload New Version'. The right column contains two items: 'Cancel Editing' (highlighted with a red box) and 'Upload New Version'.

Single user

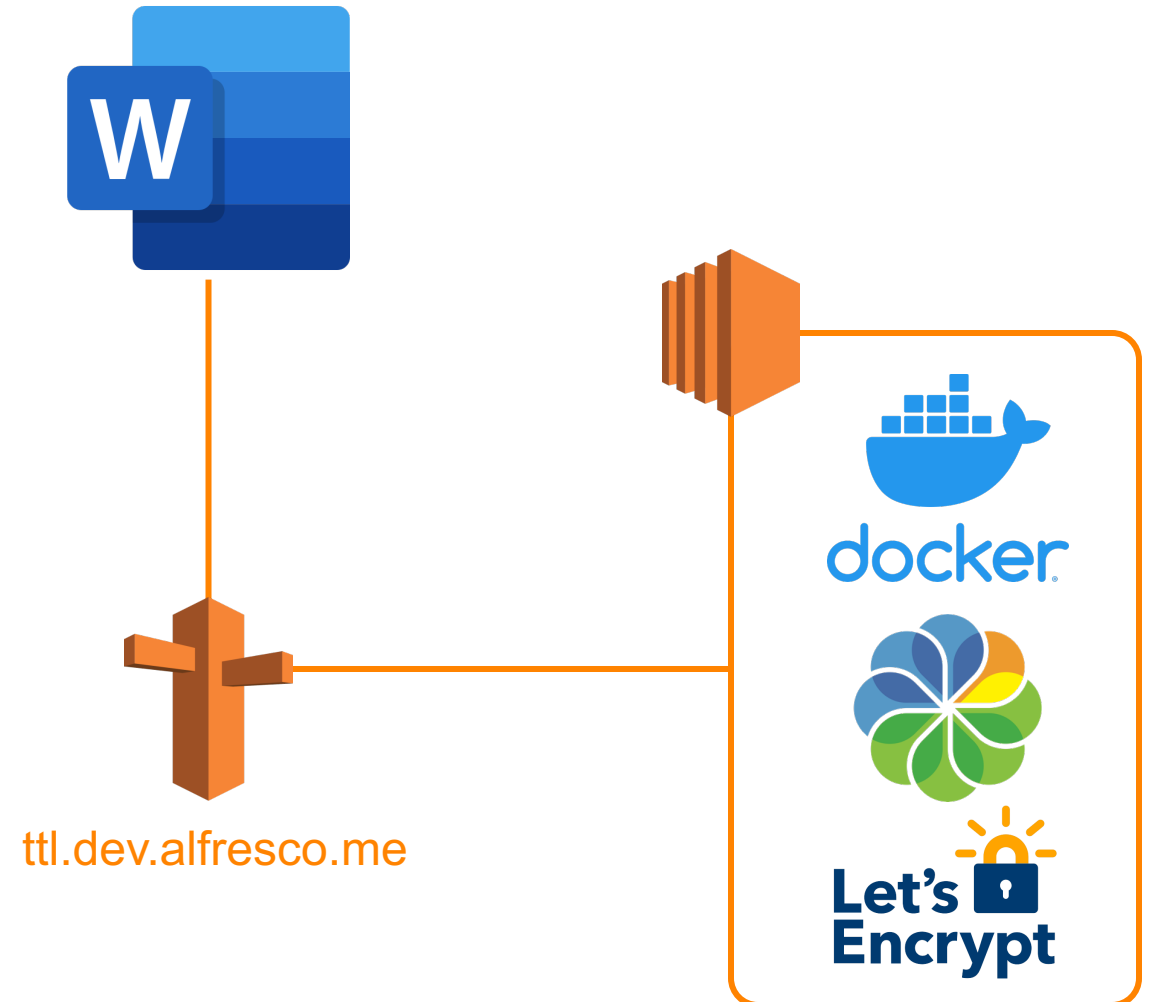
Installation



- Repository
 - Deploy `alfresco-aos-module.amp` in Alfresco Repository
 - Deploy `_vti_bin.war` in Apache Tomcat
 - Provided by default in Repository Docker Images
- Share
 - Action provided by default in *out-of-the-box* application
- ACA / ADW
 - Action provided by default in out-of-the-box application
 - It can be disabled using building property `APP_CONFIG_PLUGIN_AOS=false`

Demo environment

- [Source Code](#)
- Docker Compose template
- AWS deployment (TLS)
 - EC2 Instance for Docker Compose
 - [certbot](#) used to get Let's Encrypt certificate
 - Security Group
 - Opening ports 22, 80, 443
 - Route 53
 - Declaring public DNS [ttl.dev.alfresco.me](https://t1.dev.alfresco.me)



DEMO TIME!



GOOGLE DRIVE

New window (popup)



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Google Docs™ Authorization



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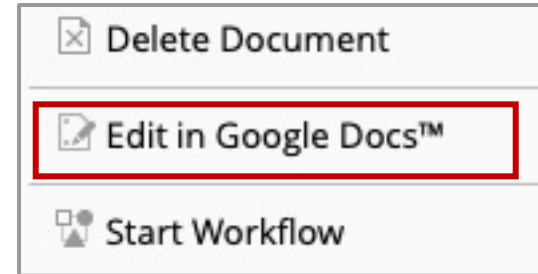
Google Drive



Google Drive

- [Documentation](#)
- [Source Code](#) (public)
- Available for Share
- Available for Community and Enterprise

Share



“Multiple users”
(external)

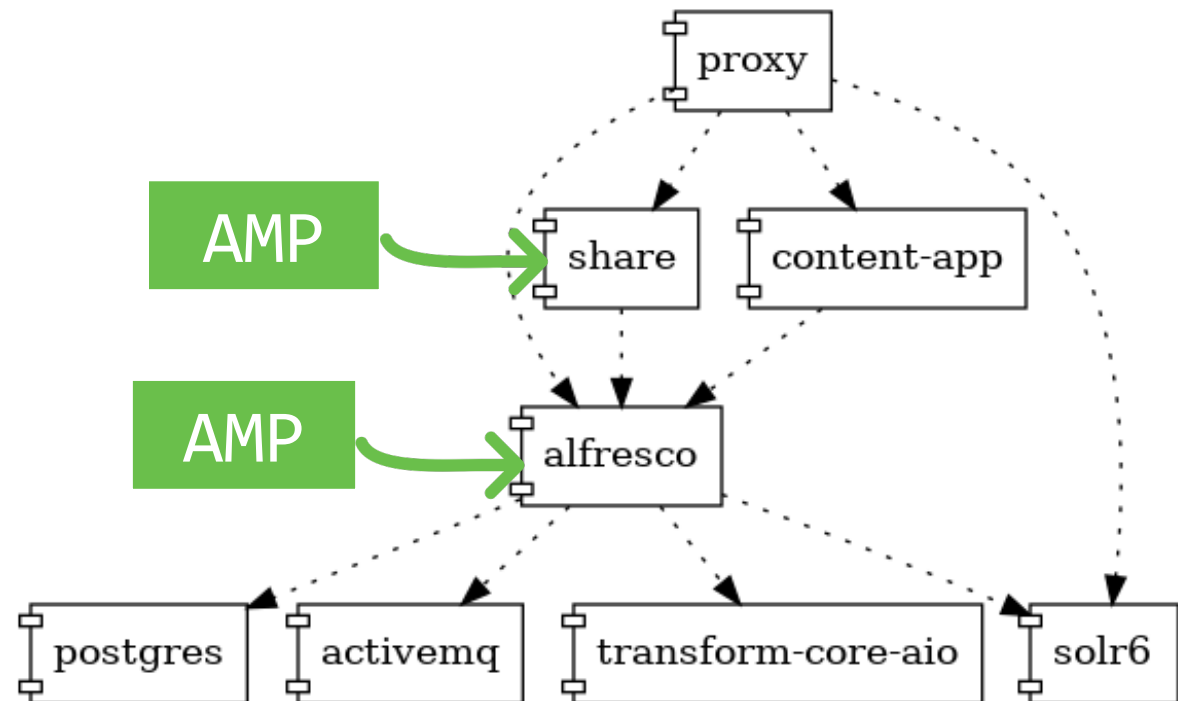
Installation



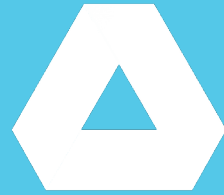
- Repository
 - Deploy `alfresco-googledrive-repo-community-3.3.1.amp` in Alfresco Repository
 - Add `googledocs.enabled=true` environment setting
 - It was provided by default in Repository Docker Images (till 7.2)
- Share
 - Deploy `alfresco-googledrive-share-3.3.1.amp` in Share
- ACA / ADW
 - Not supported

Demo environment

- [Source Code](#)
- Docker Compose template
- Local plain HTTP configuration



DEMO TIME!



Google Drive

MICROSOFT 365

New window (tab)



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Azure AD
Authentication



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Public DNS

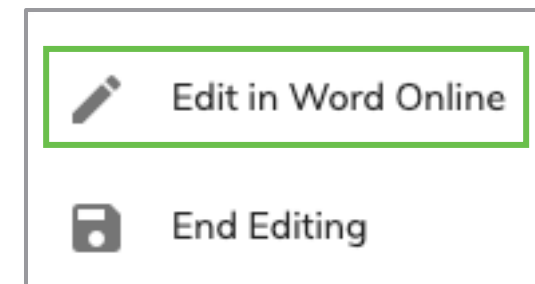
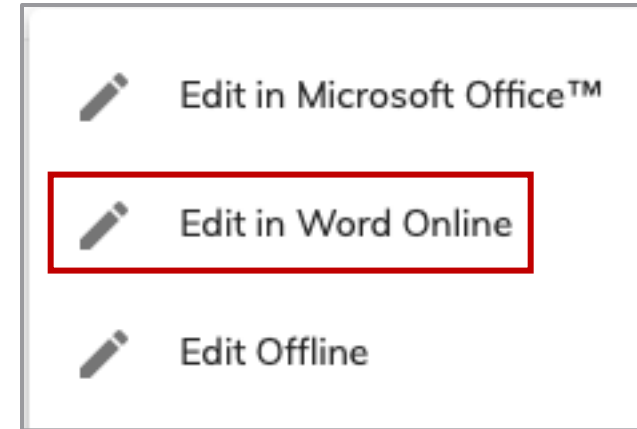
TLS with Trusted Certificate



Microsoft 365

- [Documentation](#)
- [Source Code](#) (customer credentials)
- Available for ADW
- Available for Enterprise

Alfresco Digital Workspace



Multiple users

Installation (1)



▪ OOI Service

- Deploy Spring Boot App `alfresco-ooi-service:1.1.3`
 - `alfresco.base-url=http://alfresco:8080`
 - `alfresco.deploymodel.enabled=true`
 - `alfresco.deploymodel.timeout=200000`
 - `alfresco.admin.username=admin`
 - `alfresco.admin.password=admin`

▪ ADW

- Apply configuration
 - `APP_CONFIG_PLUGIN_MICROSOFT_ONLINE: 'true'`
 - `APP_CONFIG_MICROSOFT_ONLINE_OOI_URL: https://ttl.dev.alfresco.me/ooi-service/api/-default-private/office-integration/versions/1/edit-sessions/`
 - `APP_CONFIG_MICROSOFT_ONLINE_CLIENTID: <client-id-guid-from-azure-app-registration>`
 - `APP_CONFIG_MICROSOFT_ONLINE_AUTHORITY: https://login.microsoftonline.com/<tenant-id-guid-from-azure-app-registration>`
 - `APP_CONFIG_MICROSOFT_ONLINE_REDIRECT: https://ttl.dev.alfresco.me`

Installation (2)

■ Azure AD



Home > MSFT | App registrations >

Alfresco-Sample-Test

Search << Delete Endpoints Preview features

Overview Quickstart Integration assistant

Manage Branding & properties Authentication Certificates & secrets Token configuration

Got a second? We would love your feedback on Microsoft identity platform (previously Azure AD for developer). →

Essentials

Display name	: Alfresco-Sample-Test	Client credentials	: Add a certificate or secret
Application (client) ID	: e6738629-4794-47de-86ac-31245842c5c1	Redirect URIs	: 0 web, 1 spa, 0 public client
Object ID	: d945ff4c-b603-4b0d-ae9-09a25e131021	Application ID URI	: Add an Application ID URI
Directory (tenant) ID	: aa7f6fe7-d6e9-461c-a718-bebc17ead9b1	Managed application in l...	: Alfresco-Sample-Test
Supported account types	: My organization only		

.....> <https://ttl.dev.alfresco.me/>

Manage Branding & properties Authentication Certificates & secrets Token configuration API permissions Expose an API App roles Owners

Configured permissions

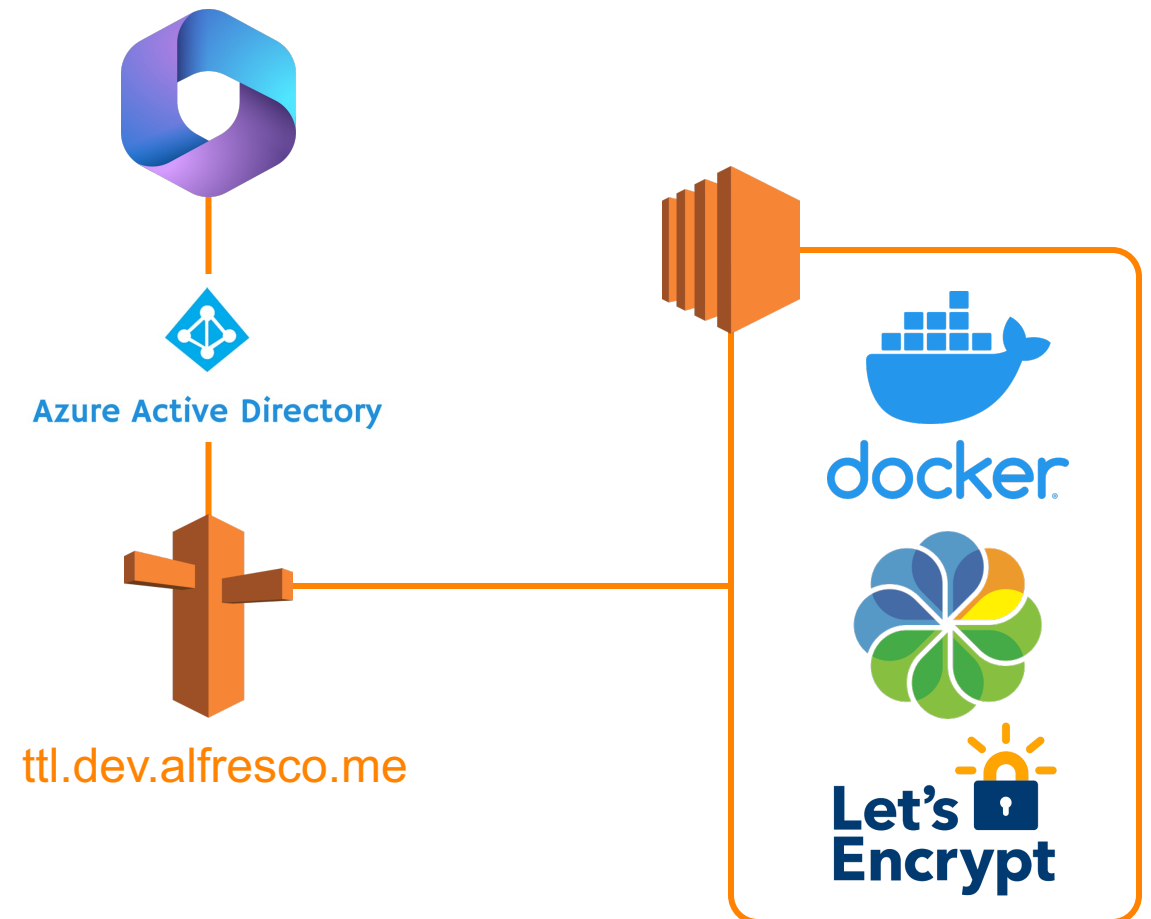
Applications are authorized to call APIs when they are granted permissions by users/admins as part of the consent process. The list of configured permissions should include all the permissions the application needs. [Learn more about permissions and consent](#)

+ Add a permission ✓ Grant admin consent for MSFT

API / Permissions name	Type	Description	Admin consent requ...	Status
Microsoft Graph (2)				
Files.ReadWrite.All	Delegated	Have full access to all files user can access	No	✓ Granted for MSFT
User.Read	Delegated	Sign in and read user profile	No	✓ Granted for MSFT

Demo environment

- [Source Code](#)
- Docker Compose template
- AWS deployment (TLS)
 - EC2 Instance for Docker Compose
 - [certbot](#) used to get Let's Encrypt certificate
 - Security Group
 - Opening ports 22, 80, 443
 - Route 53
 - Declaring public DNS [ttl.dev.alfresco.me](#)
- Microsoft Azure Tenant
 - Azure Active Directory



DEMO TIME!



ONLYOFFICE

New window (tab)



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ONLYOFFICE

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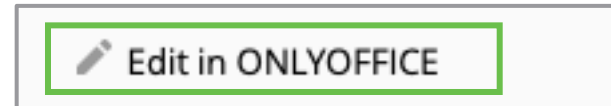
10 seconds

Uses a custom protocol that updates Alfresco Document after *10 seconds* of inactivity in ONLYOFFICE

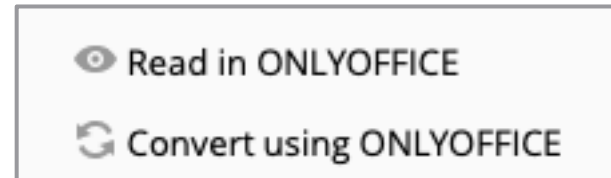
ONLYOFFICE

- [Documentation](#)
- [Source Code](#) (public)
- Available for Share and ADW 2.0.0
 - Not available for ACA
- Available for Community and Enterprise

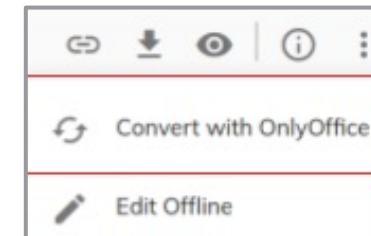
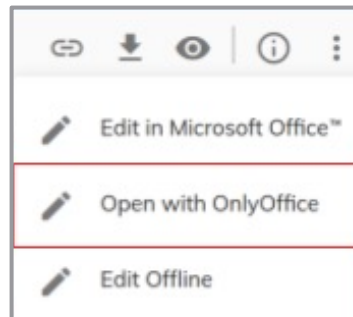
Share



“Multiple users”



ADW





<https://github.com/cetra3/onlyoffice-alfresco>



<https://github.com/ONLYOFFICE/onlyoffice-alfresco>



<https://github.com/atolcd/adf-onlyoffice-extension>



Installation



▪ ONLYOFFICE

- Deploy *OnlyOffice Document Server* with JWT option enabled

```
onlyoffice-documentserver:  
  image: onlyoffice/documentserver  
  environment:  
    - JWT_ENABLED=true  
    - JWT_SECRET=odLFzazK81bNSu5MI90W
```

▪ Repository

- Deploy `onlyoffice-integration-repo.jar` in Alfresco Repository
- Add to **alfresco-global.properties** (*only supported in file mode, not as env variable*)

```
onlyoffice.url=http://192.168.1.143/  
onlyoffice.jwtsecret=odLFzazK81bNSu5MI90W
```

▪ Share

- Deploy `onlyoffice-integration-share.jar` in Share

Installation

- ADW (no available for ACA)

- Detailed instructions available in

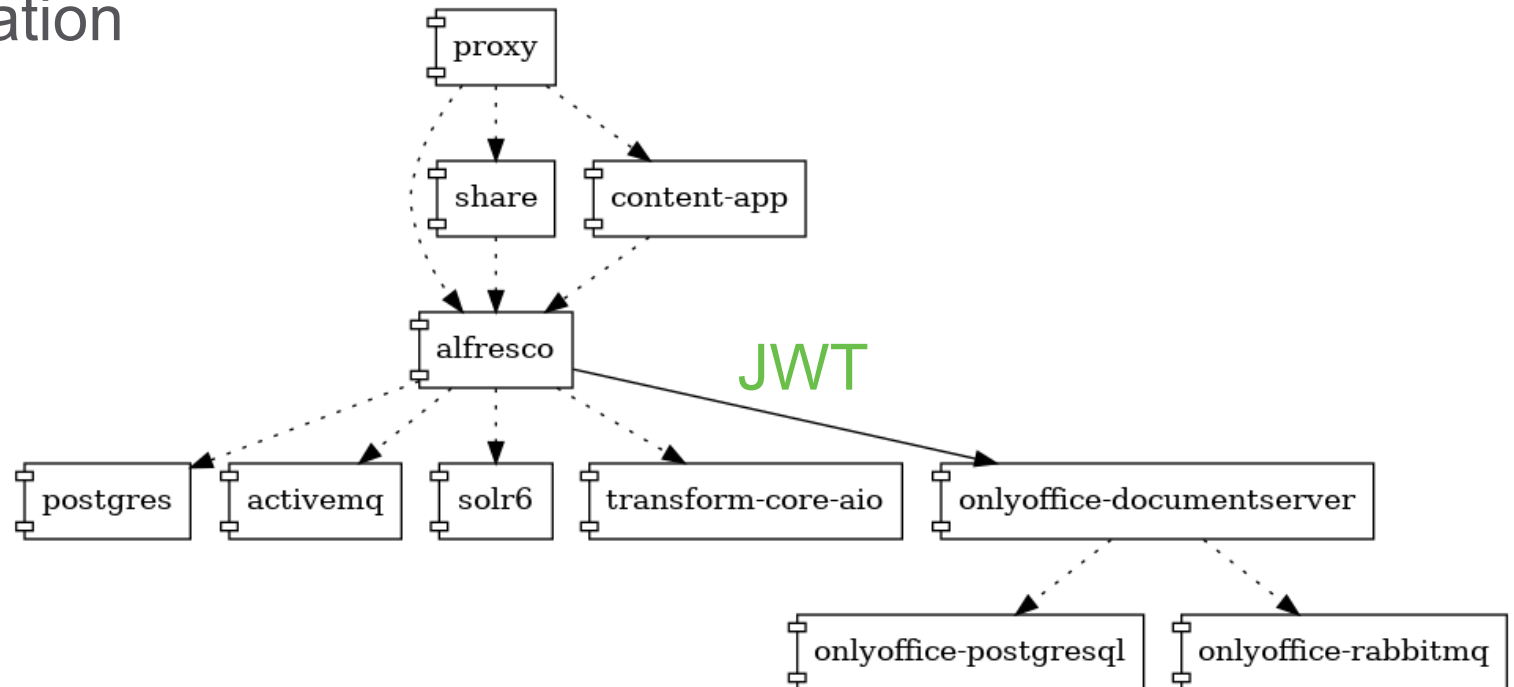
<https://github.com/atolcd/adf-onlyoffice-extension#installation>

- Building custom ADW Docker Image is required



Demo environment

- [Source Code](#)
- Docker Compose template
- Local plain HTTP configuration



DEMO TIME!



COLLABORA ONLINE

New iFrame (WOPI)



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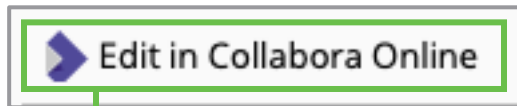
Collabora Online



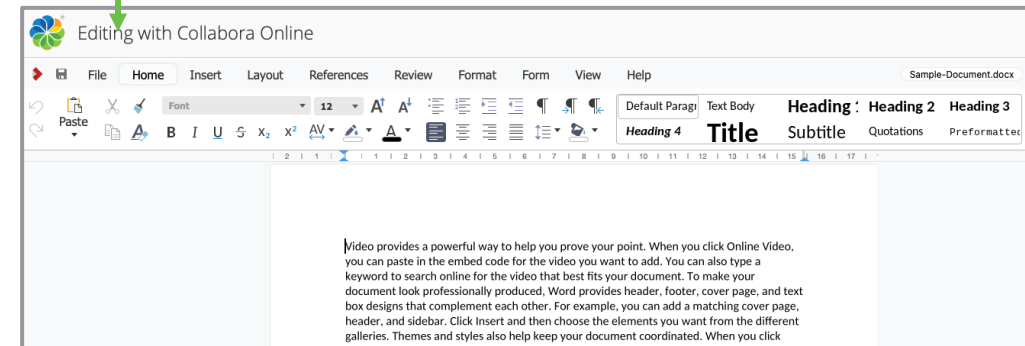
Collabora Online

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- Available for Share and ACA 1.10
- Available for Community and Enterprise

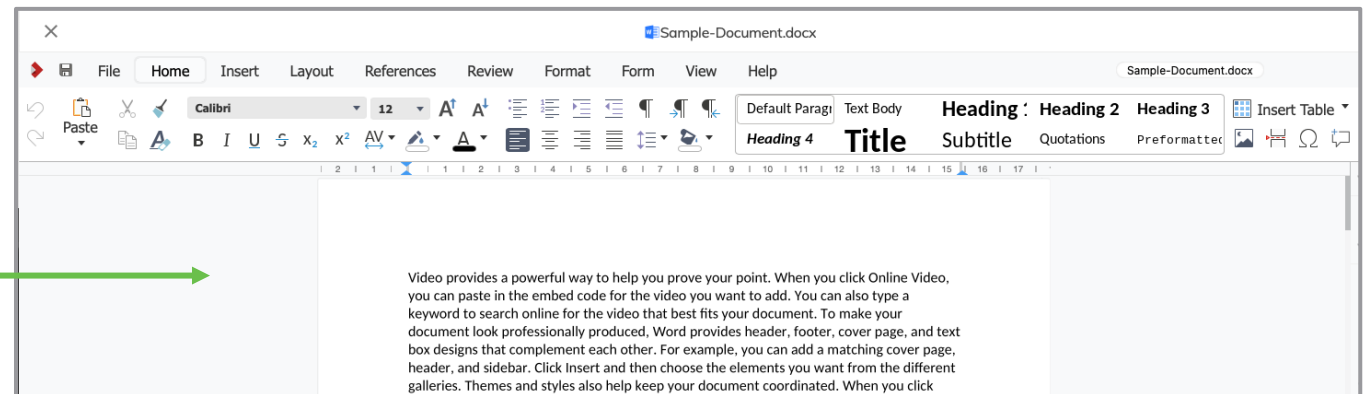
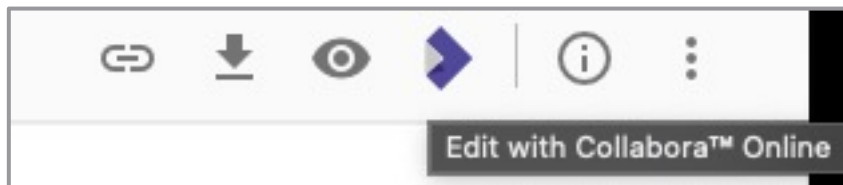
Share



Multiple users



Alfresco Content Application



COLLABORA ONLINE

Hyland™



<https://github.com/CollaboraOnline/alfresco-collabora-online>



MAGENTA

open source **it**

<https://github.com/magenta-aps/alfresco-repo-libreoffice-online-module>



<https://github.com/jeremie-lesage/libreoffice-online-repo>



arawa

<https://github.com/arawa/libreoffice-online-repo>

Installation (1)



■ CODE Collabora Online Developer Edition

```
code:
  image: collabora/code
  environment:
    - password=admin
    - username=admin
    - extra_params=--o:ssl.enable=false
  ports:
    - 9980:9980
```

■ Repository

- Deploy `collabora-platform-extension-0.6.0.jar` in Alfresco Repository
- Add to **alfresco-global.properties** (*both file mode and env variable supported*)

```
collabora.public.url=http://192.168.1.143:9980/
alfresco.public.url=http://192.168.1.143:8080/alfresco/
```

■ Share

- Deploy `collabora-share-extension-0.6.0.jar` in Share

Installation (2)

- Build ACA Docker Image with Collabora Extension applied



```
FROM node:10 AS builder
```

```
ENV GITHUB_ACA="https://github.com/Alfresco/alfresco-content-app"
```

```
COPY extensions/* /usr/src/
```

```
RUN npm run build
```

```
FROM nginx:stable-alpine
```

```
WORKDIR /usr/share/nginx/html
```

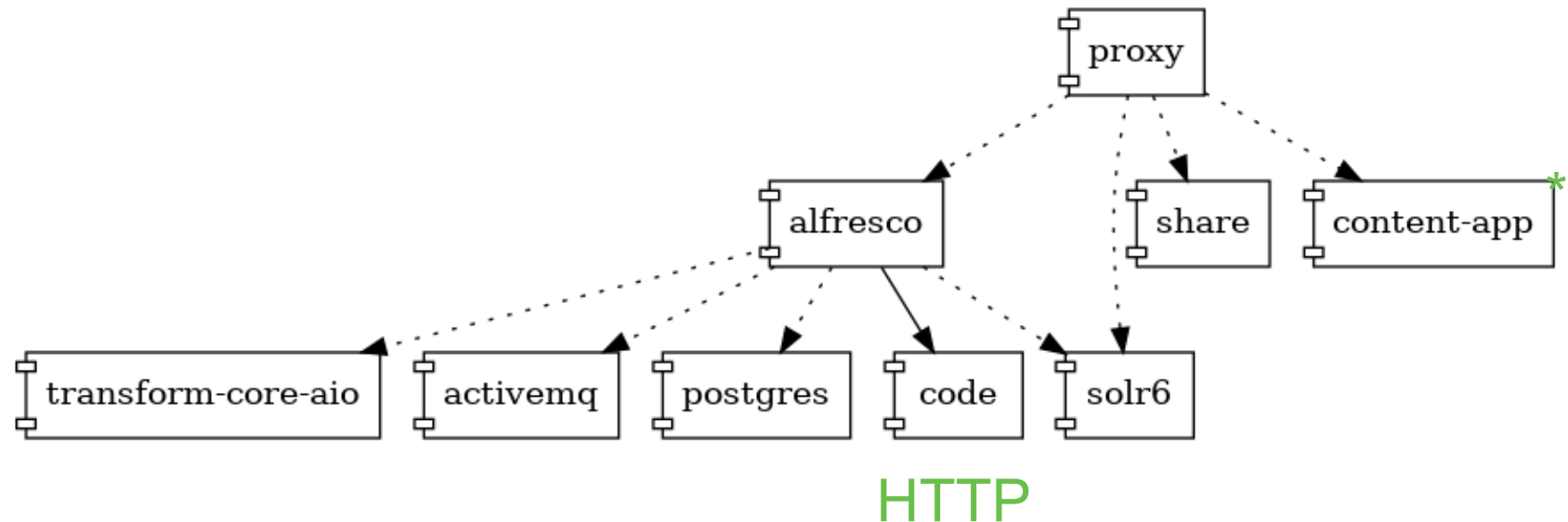
```
COPY --from=builder ${SRC_ACA}/docker/nginx.conf /etc/nginx/nginx.conf
```

```
COPY --from=builder ${SRC_ACA}/dist/app/ .
```

```
COPY --from=builder ${SRC_ACA}/docker/entrypoint.sh /
```

Demo environment

- [Source Code](#)
- Docker Compose template
- Local plain HTTP configuration
- Local IP required



DEMO TIME!



Collabora
Online

Always happy to get your feedback!

Hyland™

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