Getting started with the sdk

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Collabora Online

LibreOffice Technology

Technical Day
COOL days

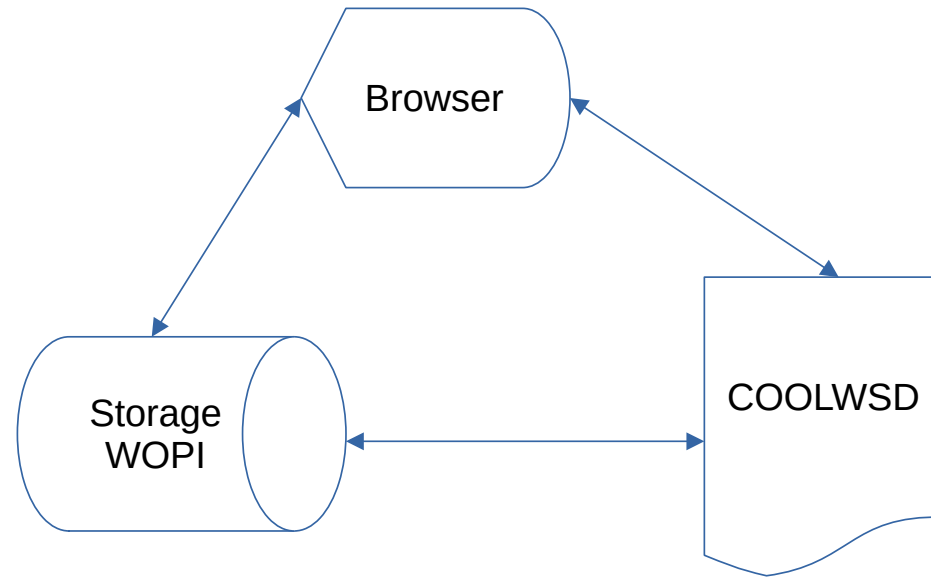# Build your own integration

- Architecture

- Integration Architecture

  - WOPI prototocol

  - Access Token

- Futher documentation

Architecture

Browser

Storage
WOPI

COOLWSD

COOLWSD

Collabora Online WebSocket Daemon

- The editor

- Provide all the functionality

- Render the Document

- Alone it's not functional

- Talks to both the web browser and the storage

Browser

Display the editor into web content

- Often part of the storage server

- Integrate Collabora Online through an iframe

- Customize the appearance

- Provide the UI to make UX consistent with the rest of your solution

- Talk to both the storage and the COOLWSD

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Storage

Storage server

- Collabora Online delegate to the storage

  - Persistence of the documents

  - User access control

- Implements the WOPI protocol

- Talks to both the web browser and the COOLWSD

Integration architecture

Integration architecture

To integrate Collabora Online you need

- Storage with WOPI

- Collabora Online COOLWSD

- A web page to instantiate the iframe for Collabora Online

WOPI

WOPI HTTP API provides few endpoints to COOLWSD:

- Discovery: metadata about the integration

- CheckFileInfo: file metadata

- GetFile/PutFile: file access

- Lock, Unlock: locking and unlocking files

- RenameFile, DeleteFile: file operations

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Access Token

- Passed from the browser

- Opaque, passed as url parameter

- Per-user, per-file, expires

- Then passed to the WOPI server

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Further documentation

SDK Examples

Available for the following stacks

- NodeJS

- NodeJS + React

- Python with Django

- dotNET

- PHP / Drupal

Our online documentation

The SDK documentation is available at:

https://sdk.collaboraonline.com/contents.html

All you need to know is there.

Thank you!

By Méven Car

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