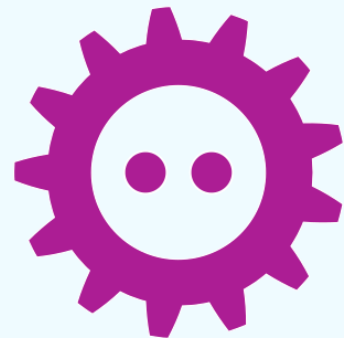


Welcome to the  
**Local First,**



**sync engine & CRDTs  
devroom at FOSDEM'26**

**Introduction (5min)**



# Local First devroom at FOSDEM'26

## Why a Local First devroom?



# Local First devroom at FOSDEM'26


## Why a Local First devroom?

Hot Topic: since few years, many conferences, open source projects, libraries, new companies.



# Local First devroom at FOSDEM'26

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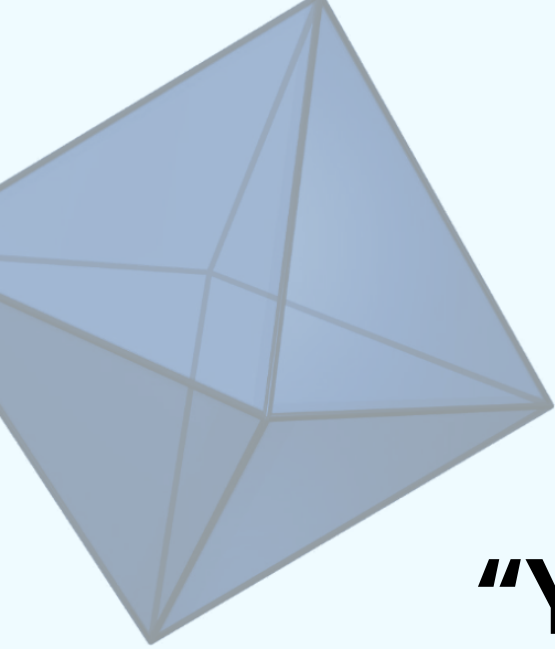
Thank you FOSDEM staff & volunteers



**Local First devroom at FOSDEM'26**

# Introduction to Local First





# Local First devroom at FOSDEM'26

## Introduction to Local First

**“You Own Your Data, in spite  
of the Cloud”**

Martin Kleppmann et al. 2019

# Local First devroom at FOSDEM'26

## Introduction to Local First

**Offline-only**



# Local First devroom at FOSDEM'26

## Introduction to Local First

**Offline-only + Online-only**



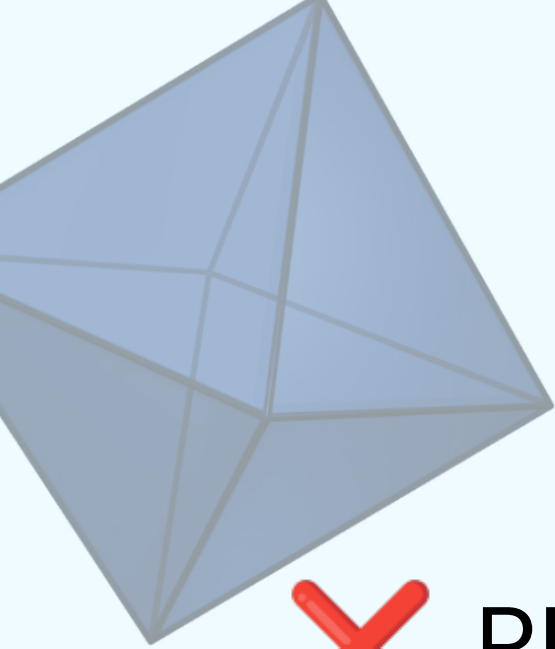


# Local First devroom at FOSDEM'26

## Introduction to Local First

**Offline-only + Online-only => Local First with Collaboration (Live & Offline)**





# A new paradigm



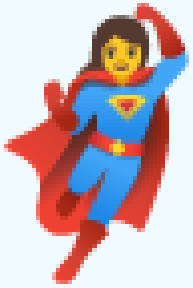
REST web APIs, Client/Server



SYNCing, SYNC protocols

Local First devroom at FOSDEM'26

What about **conflicts**?



**CRDTs** : Conflict-free  
Replicated Data Types

# Local First devroom at FOSDEM'26

## Other benefits

**DX** don't worry about data and network plumbing anymore

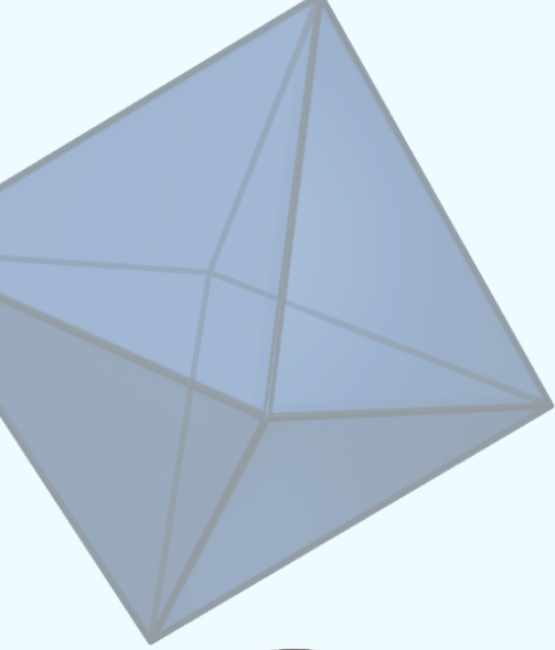
**UX** – ownership (no lock-in)

- availability (no internet is fine) & speed (no loading time)
- privacy & security (E2EE)



**Local First devroom at FOSDEM'26**

# Digital sovereignty





**Local First devroom at FOSDEM'26**

# **The road ahead**

True decentralization

Resilience

Free the data





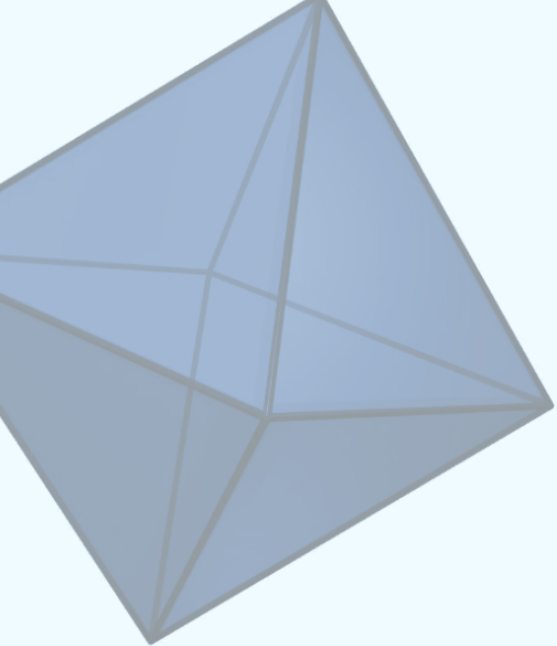
**Local First devroom at FOSDEM'26**

# **Our program at a glance**

Thank you to the speakers!



Today we will see the State of  
the Art



# Local First devroom at FOSDEM'26

## CRDTs

3 main “generic” libraries:

Yjs/Yrs with Bartosz at 9:30

with Yousef and Nick at 12:00

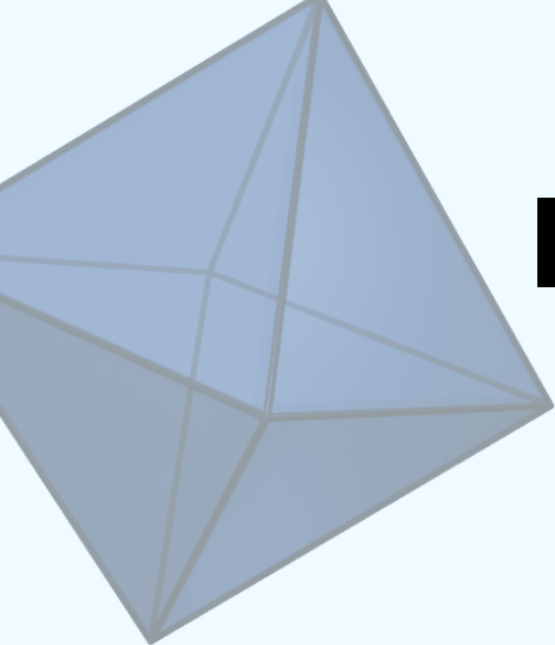
Automerge with Brooke & Alex 10:30

Loro mentioned by Ilya at 15:00

Create new CRDTs

Flec with Jim at 15:25





## Local First devroom at FOSDEM'26

# Frameworks & protocols

Jazz with Giordano (in few minutes from now)

Keyhive and Beelay with Brooke & Alex 10:30

NextGraph with Laurin & Niko 11:00

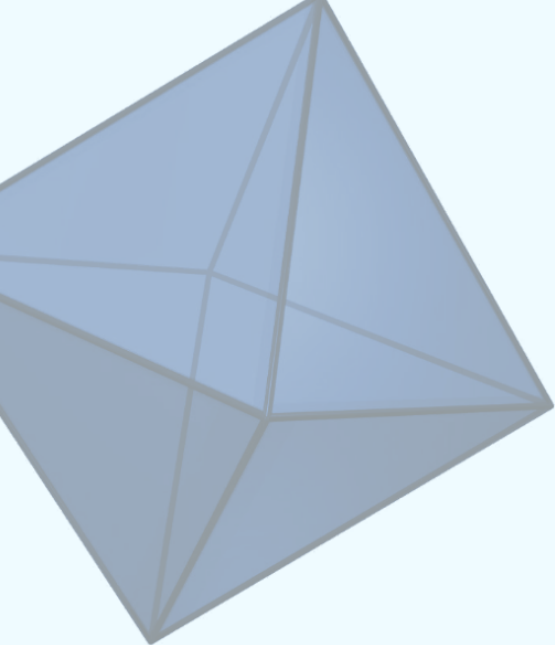
P2Panda with Andreas 12:30

Teleportal with Nick 13:55

OCapN with David 14:05

Willow with Sammy 15:55

Hypermedia with Eric 16:40



## Local First devroom at FOSDEM'26

# Databases

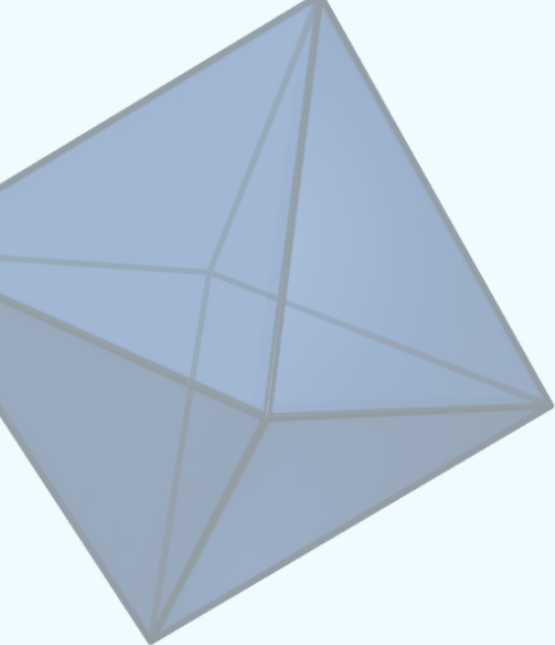
Jazz with Giordano (now)

NextGraph with Laurin & Niko 11:00

ElectricSQL with Kevin 11:30

OrbitDB with Nico 14:40

PouchDB with Alex 16:20



## Local First devroom at FOSDEM'26

# Applications

Plane WIKI with Palani 10:00

Reflection with Tobias 12:30

Teamtype with blinry & Moritz 13:00

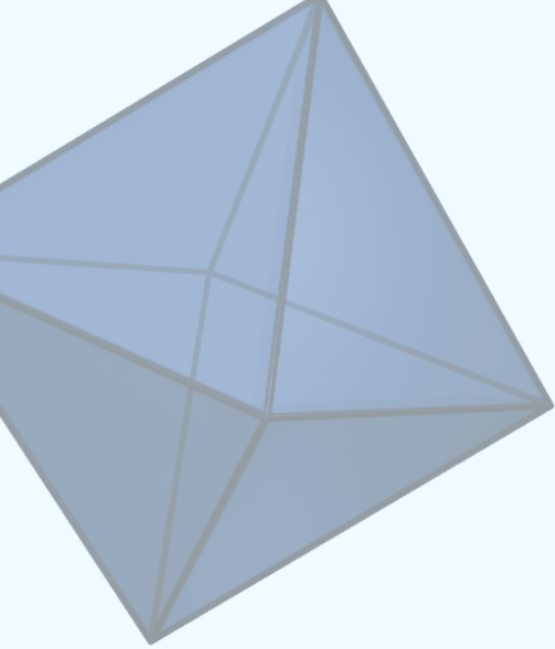
Radicle with Fintan 13:20

Miru with Taye 13:40

Collabora comments with Michael 13:50

SQLRooms with Ilya 15:00

Seed with Eric 16:40



**Local First devroom at FOSDEM'26**

# **UX and UI**

UX with Matt 14:20

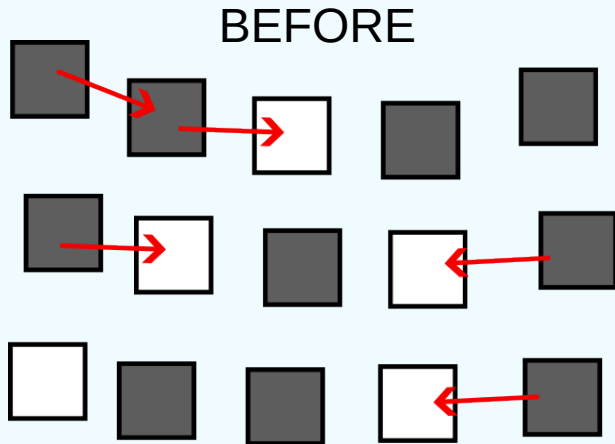
UI and La Suite Numérique  
with Virgile 14:00

# Local First devroom at FOSDEM'26

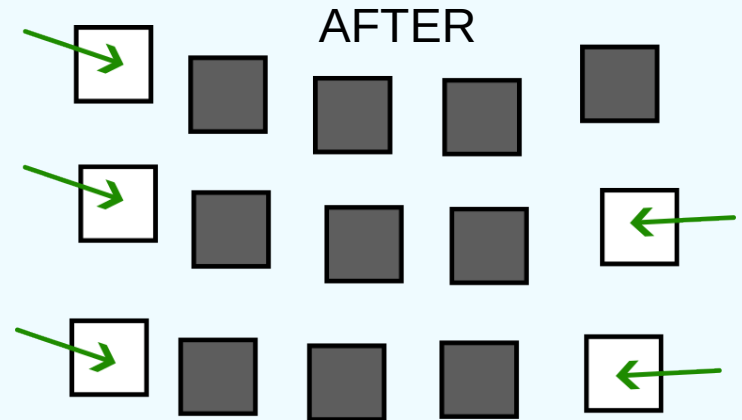


## Practical information

- 5 min break between sessions
- Please wait the end of Q&A to start moving
- Please defragment the room



When empty seats in the middle of a row, please move towards the center, so that newcomers can take seats at the extremities

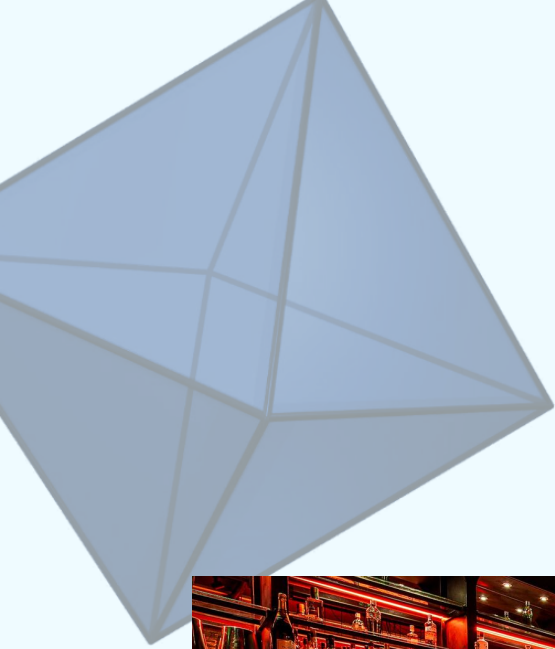


# Local First devroom at FOSDEM'26

## After-party

Join us for some drinks later today starting at 17:30 in a café 10 min walk away from the devroom.

More details on  
[openlocalfirst.org/blog/after-party/](https://openlocalfirst.org/blog/after-party/)





**Local First devroom at FOSDEM'26**

# **OpenLocalFirst.org**

- Home for open source Local First communities
- Resource center
- Monthly community calls
- Subscribe to mailing-list and socials
- join `#openlocalfirst:matrix.org`



# Local First devroom at FOSDEM'26

## Questions & Answers



#2026-local-first:fosdem.org

- 5 min long
- Please ask real and short questions
- Remote viewers can ask question via matrix (also if you're in the room)



# Local First devroom at FOSDEM'26

## Feedback



### Speakers



Niko Bonniere



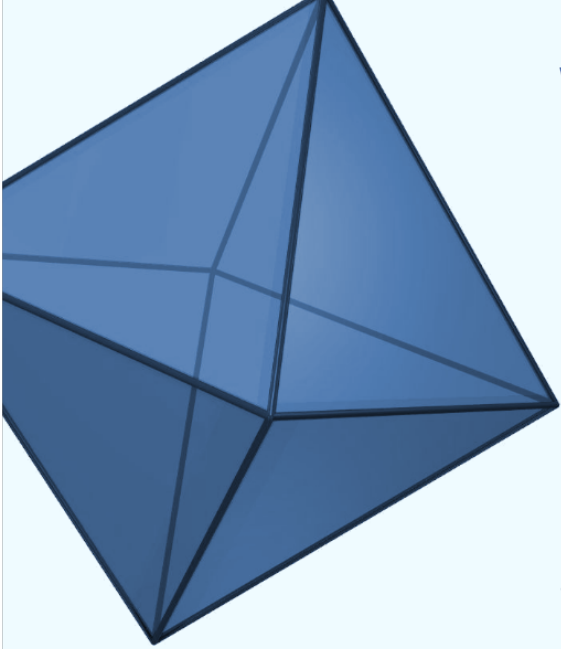
Yousef El-Dardiry

### Links

- [Homepage of our devroom, with full program](#)
- [Chat room\(web\)](#)
- [Chat room\(app\)](#)
- [Submit Feedback](#)

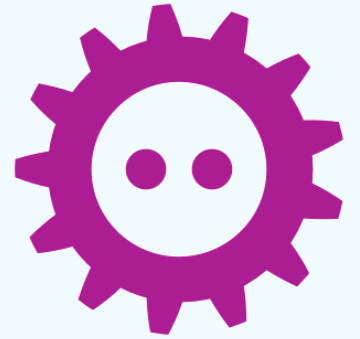


- For each talk you can leave feedback
- Go to the page of the talk on fosdem.org website and click on the link “Submit feedback” at the bottom
- Within few days from now you can also write some general feedback about the devroom, directly on the homepage of FOSDEM website.



Open  
Local  
First.org

Welcome to the  
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**We are ready to start...**