Kopano and Ceph (and more...)

Kopano

imagine a Post- Outlook Era?

What is Kopano?

Mail   Calendar   Contacts

Meet   Webapp   Account

TODAY   MAIL   CALENDAR   CONTACTS   TASKS   NOTES   FILES   MATTERMOST   DOCUMENTS   Settings   Logout

Refresh   Kopano webradio
RAI Radio 1

kopano

Files   Mattermost

Files

Owncloud   Nextcloud ▸ **LOO March 2018**   3.8 GB of 3.8 GB in use

Upload   New Folder   Download   Share   Attach to mail

▾ Nextcloud
  ▸ CERN
  ▸ Documents
  ▸ Events
  ▸ kcm
  ▸ Latest ZCP
  ▾ LOO March 2018
    ▸ LOO Images
    ▸ OLD
    ▸ Publications
  ▸ Photos

Filename ▲	Last modified	Size	
LOO Images	Thursday 12/04/2018 10:28		
OLD	Thursday 12/04/2018 9:09		
Publications	Friday 13/04/2018 10:55		
20180322 Press List The Netherlands.xls	Thursday 12/04/2018 8:57	77.5 KB	
Kopano Press Releases - New Images.PNG	Wednesday 11/04/2018 14:19	30 KB	
LibreOffice Online - DEF - DE.odt	Wednesday 11/04/2018 12:13	15.5 KB	
LibreOffice Online - DEF - DE.pdf	Wednesday 11/04/2018 12:13	73 KB	
LibreOffice Online - DEF - EN definite.odt	Thursday 12/04/2018 7:42	24.9 KB	
LibreOffice Online - DEF - EN.odt	Wednesday 11/04/2018 14:44	25.5 KB	
LibreOffice Online - DEF - EN.pdf	Wednesday 11/04/2018 10:54	124.2 KB	
LibreOffice Online - DEF - NL - EMBARGO.docx	Wednesday 11/04/2018 11:25	19.4 KB	
LibreOffice Online - DEF - NL.odt	Thursday 12/04/2018 8:44	16.8 KB	
LibreOffice Online - DEF - NL.pdf	Wednesday 11/04/2018 10:54	180.4 KB	

File information

Filename: LibreOffice Online - DEF - EN.pdf
Filesize: 124.2 KB
Last modified: 11.04.2018 10:54
Type: File (.pdf)

File preview

1 von 2

LibreOffice Online Packages by Kopano Now Available as Public Download

DELFT, April 12, 2018 – Today, Kopano announced the availability of the first LibreOffice Online packages built by Kopano. As a new member of the Advisory Board of The Document Foundation, Kopano strives to extend the reach of LibreOffice. With the new packages being publicly available, Kopano's build of LibreOffice Online is now at the fingertips of millions of people.

Tens of millions of people, including employees of large institutions like the French Government,
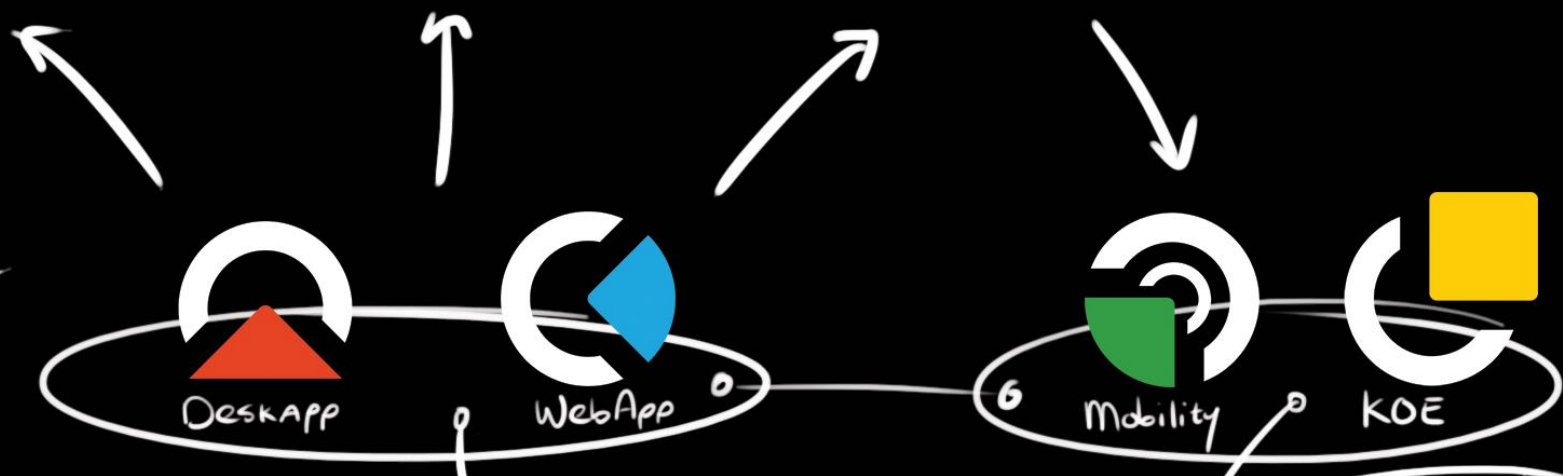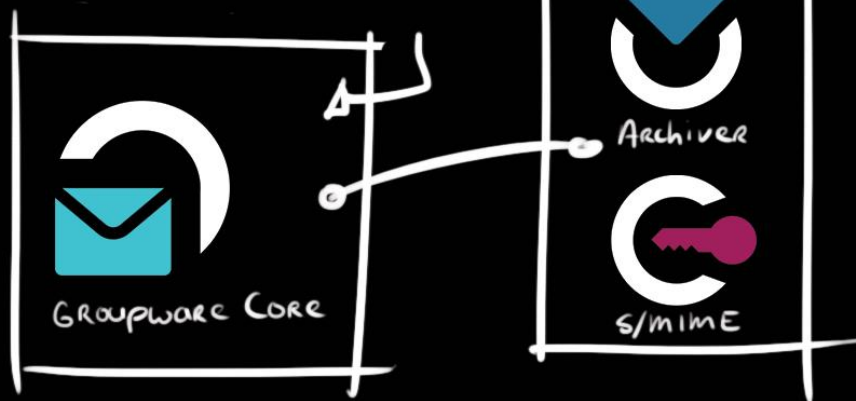
Realtime communication
- Web Meetings
- Messaging

Document collaboration
- Documents
- LOO

Groupware
- Groupware Core
- Archiver
- S/MIME
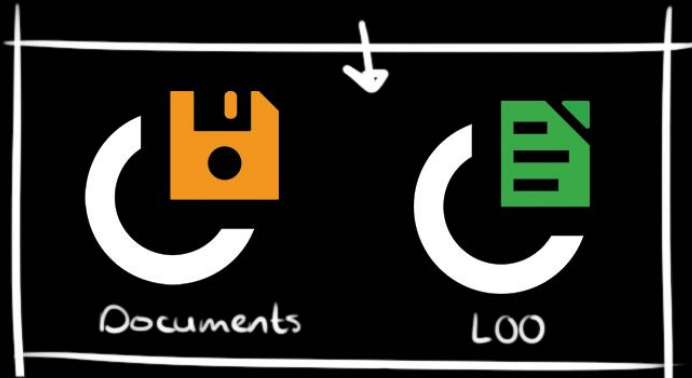
Clients
- Deskapp
- WebApp

Additional Clients
- Mobility
- KOE

Kopano =

What is Kopano?

- Worldwide leading open source MAPI-based groupware
- E-Mail, Calendar, Contacts, Tasks, Notes
- Meetings, Documents
- Clients: Windows, MacOS, Linux, Android, iOS, Chrome, Firefox, Edge, ... and more.
- Feature rich and stable
- Used by Governments, Industry, Science and much more.
- Solid, scalable, high available on premise communication solution

MAPI?

- Messaging Application Programming Interface
- Invented by Microsoft
- MAPI is not just an API, it includes an object storage model

- *Lossless* storage of object information
- Think of the MAPI storage model like a multi-dimensional key-value chain containing so-called MAPI Tables
- Each object consists of multiple MAPI-Attributes describing the object

- Object-Types are distinguished by only a single attribute

- Well standardized and documented and the foundation of Microsofts' success in the messaging ecosystem.
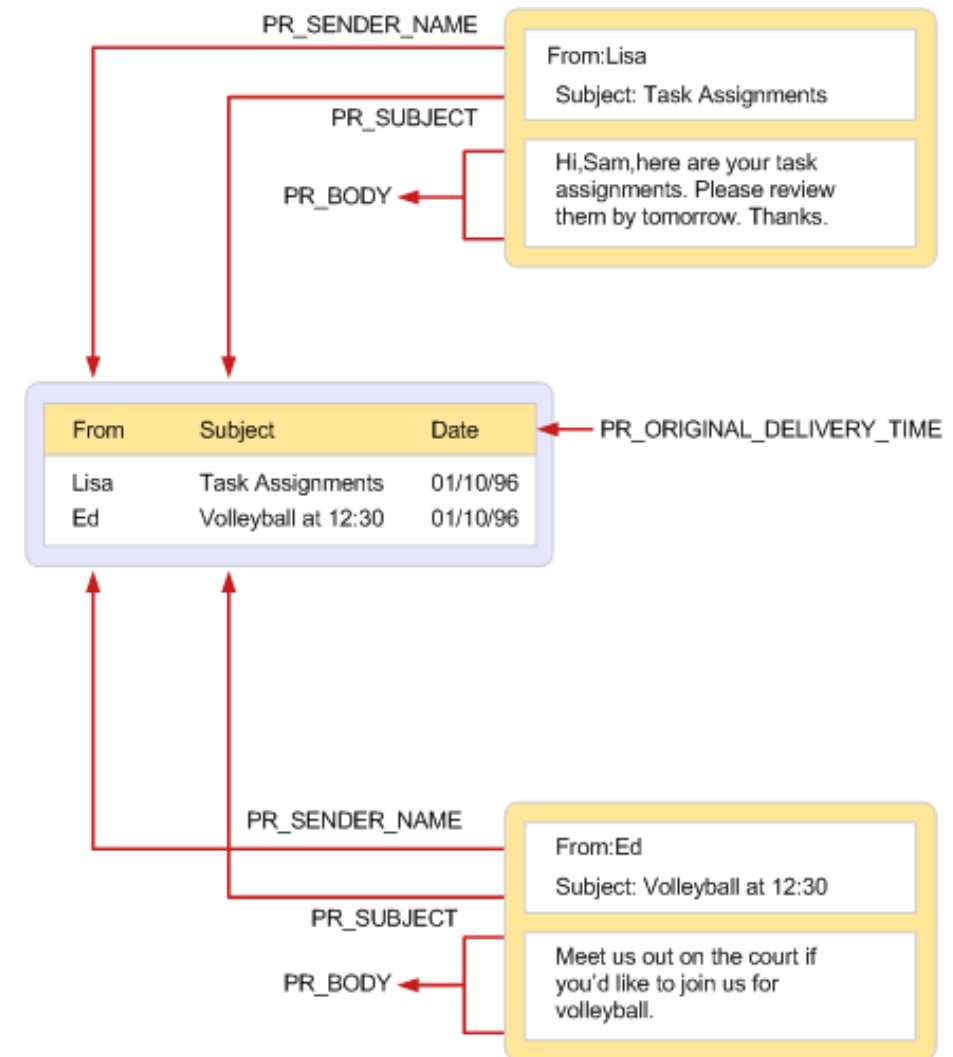
What makes us special

- A complete communication platform under your control
- MAPI & Exchange ActiveSync
- Open, standardized REST Interface
- # 1 Non-Java OpenID Connect Provider

|	MAPI-based Groupware	Scalable on low TCO	Open Source
Zimbra	○	◐	◐
Kolab	○	◐	●
Open-Xchange	○	●	◐
Kopano	●	●	●

Your data, Your terms, Your complete working space

- Groupware, online communication, file sharing, online editing
- Platform independent (Windows, macOS, Linux, Android, iOS)
- Open source, self-hosted, private cloud

Kopano

Backend Architecture

- Group replication based on MySQL
- Scalability by Kopano Multi-Server technology
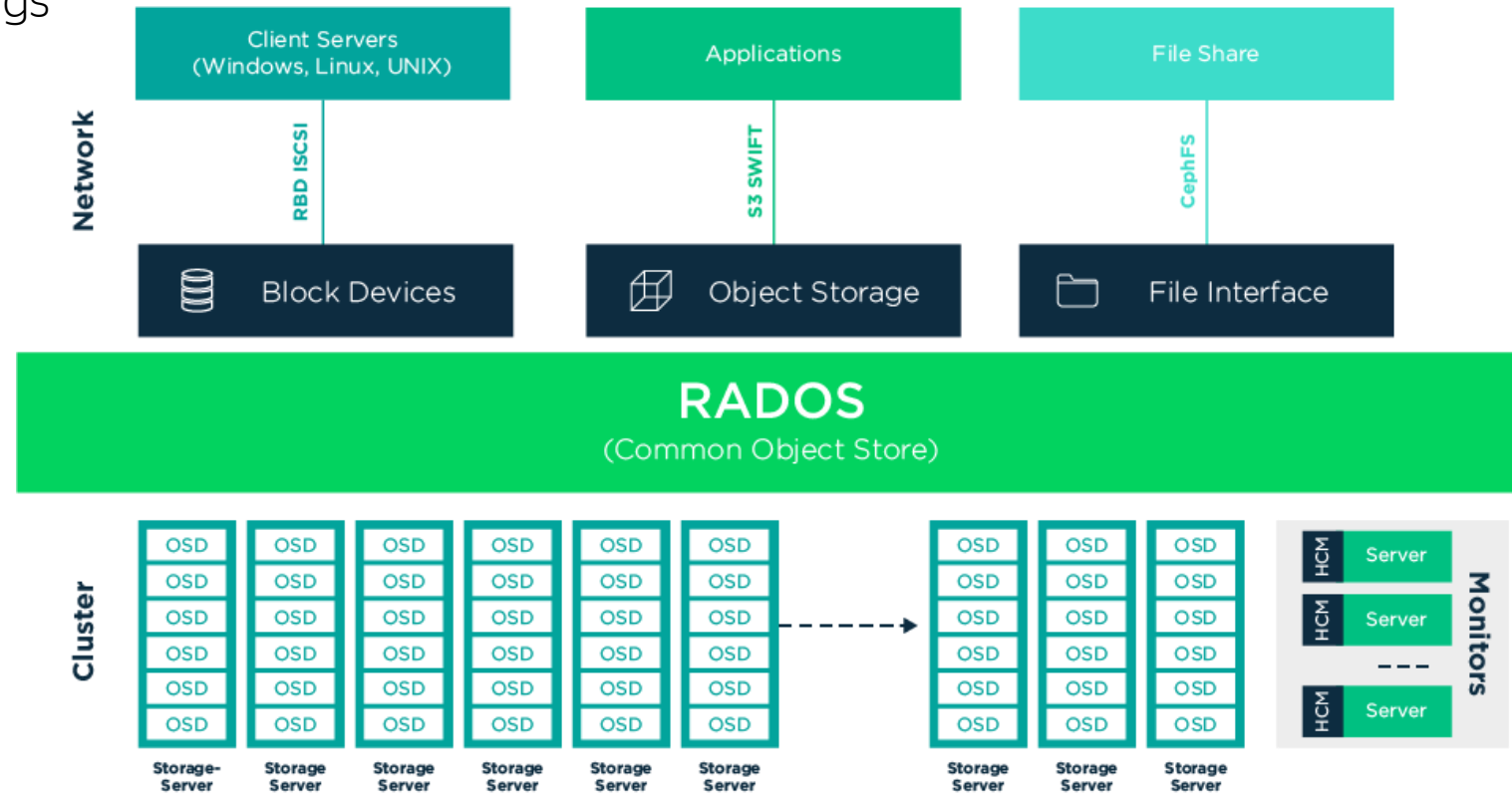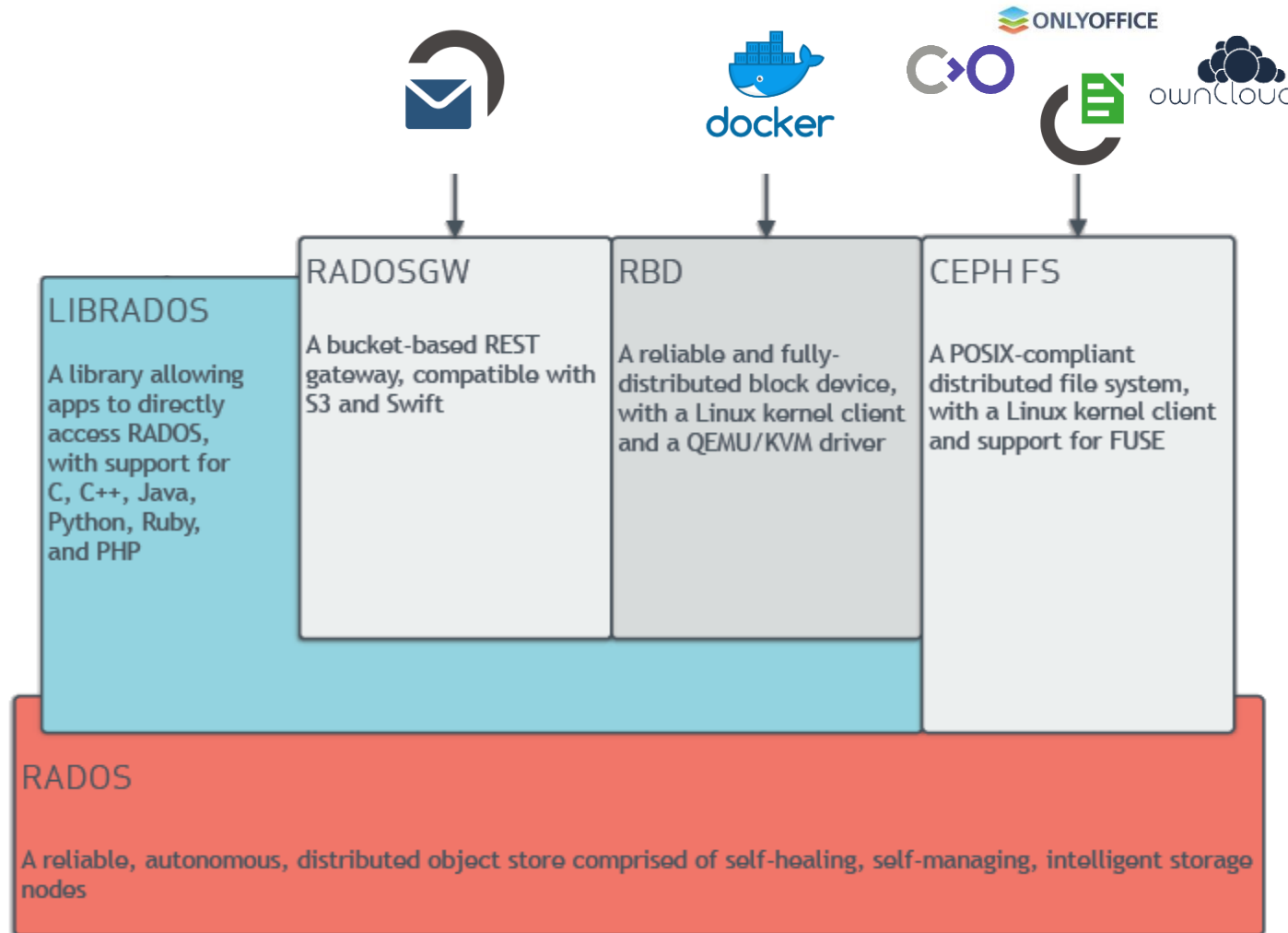- Kopano components communicate HTTPS
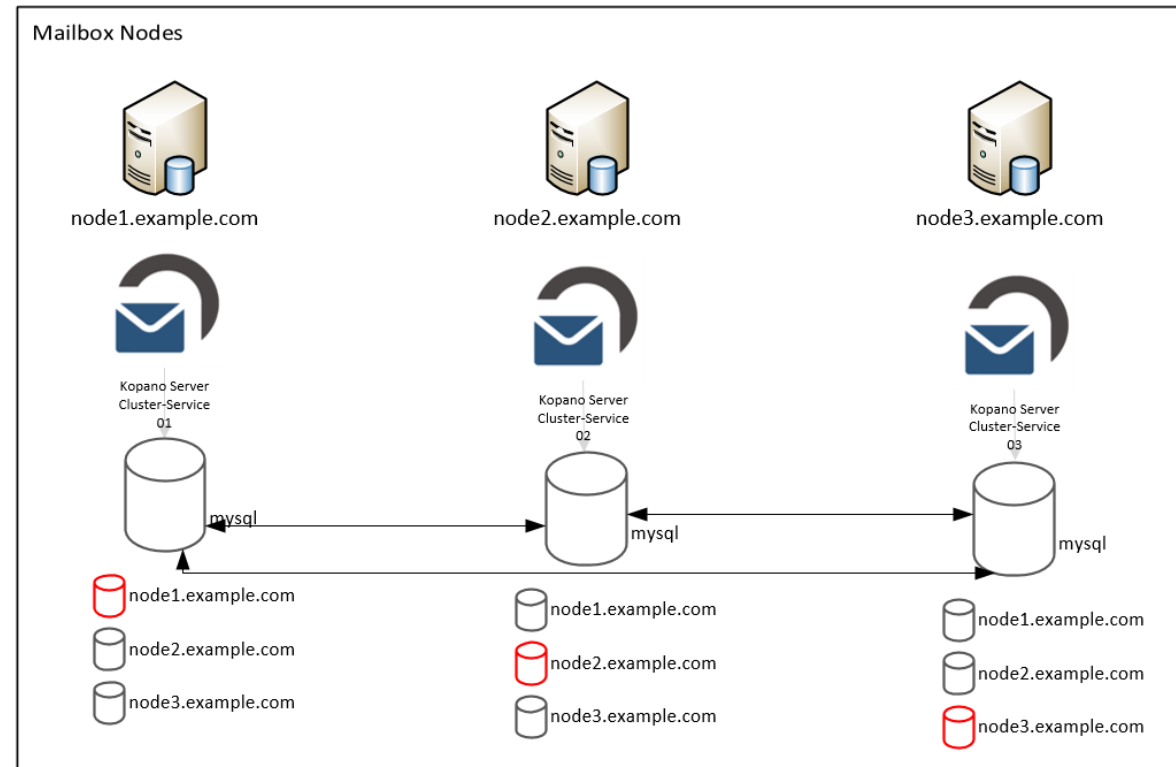
What is CEPH?

- Outscaling storage solution
- Serves multiple storage types (Block storage, Object Storage)
- Near-linear scalability
- "One storage to rule them all": Kopano Groupware Core, Kopano Documents, Kopano Meetings
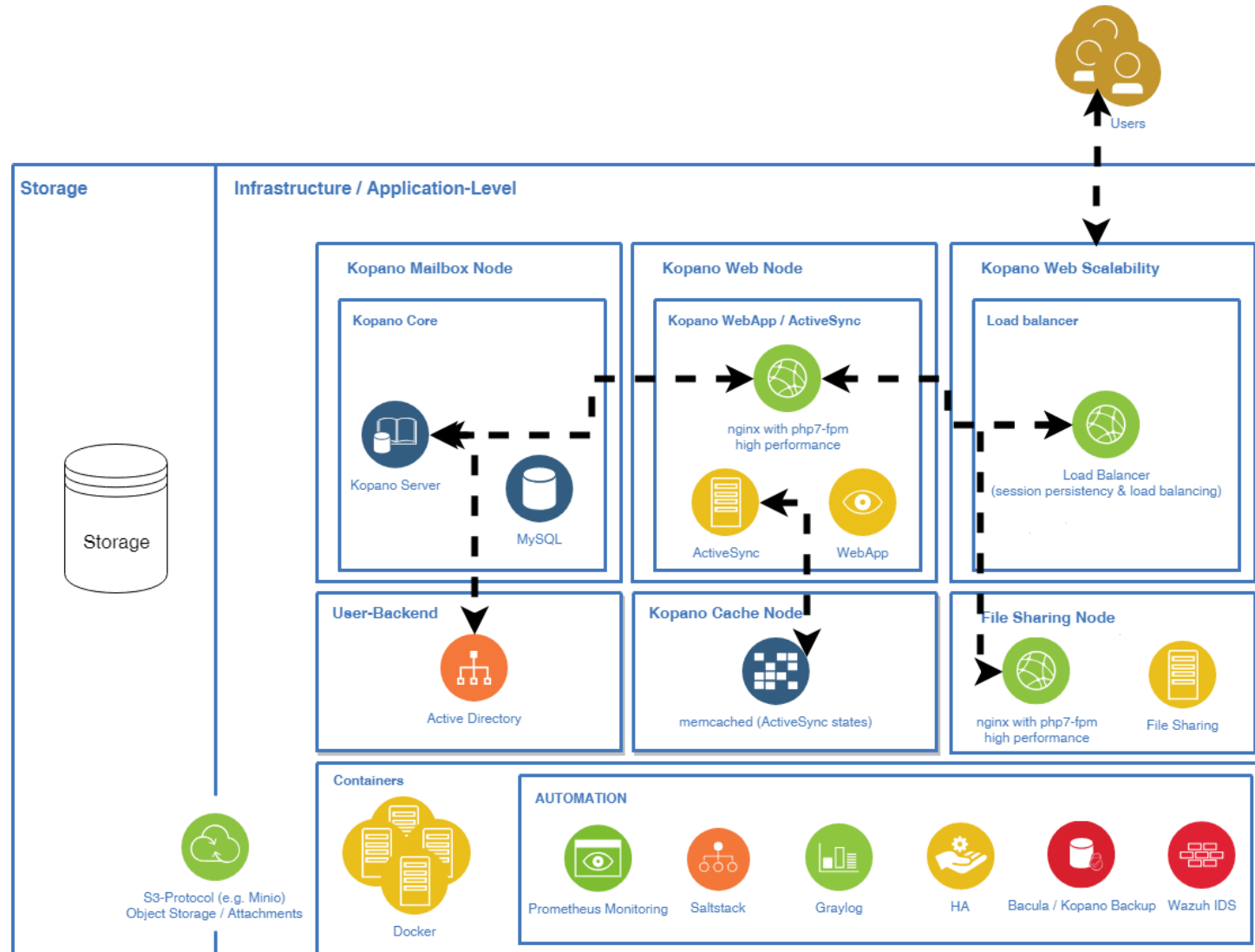
What is SUSE Enterprise Storage?
- CEPH on steroids

One storage architecture for your precious data

LIBRADOS

A library allowing apps to directly access RADOS, with support for C, C++, Java, Python, Ruby, and PHP

RADOSGW

A bucket-based REST gateway, compatible with S3 and Swift

RBD

A reliable and fully-distributed block device, with a Linux kernel client and a QEMU/KVM driver

CEPH FS

A POSIX-compliant distributed file system, with a Linux kernel client and support for FUSE

RADOS

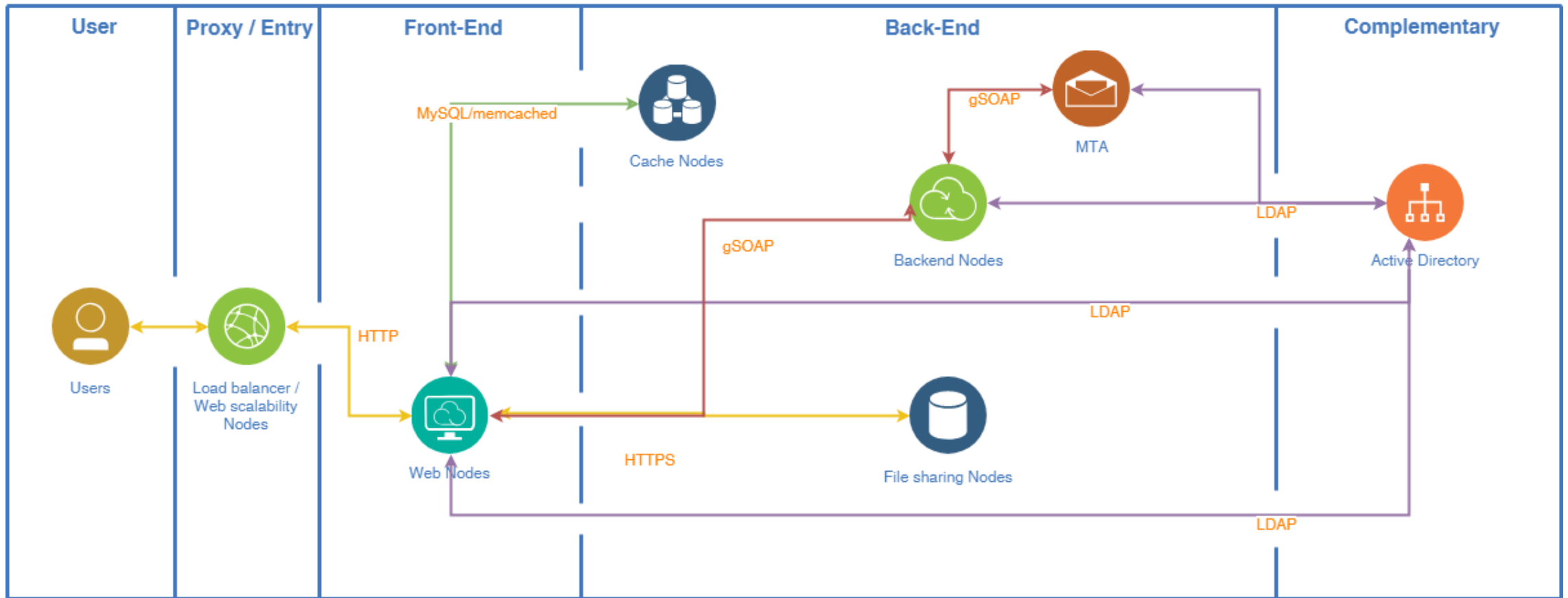A reliable, autonomous, distributed object store comprised of self-healing, self-managing, intelligent storage nodes

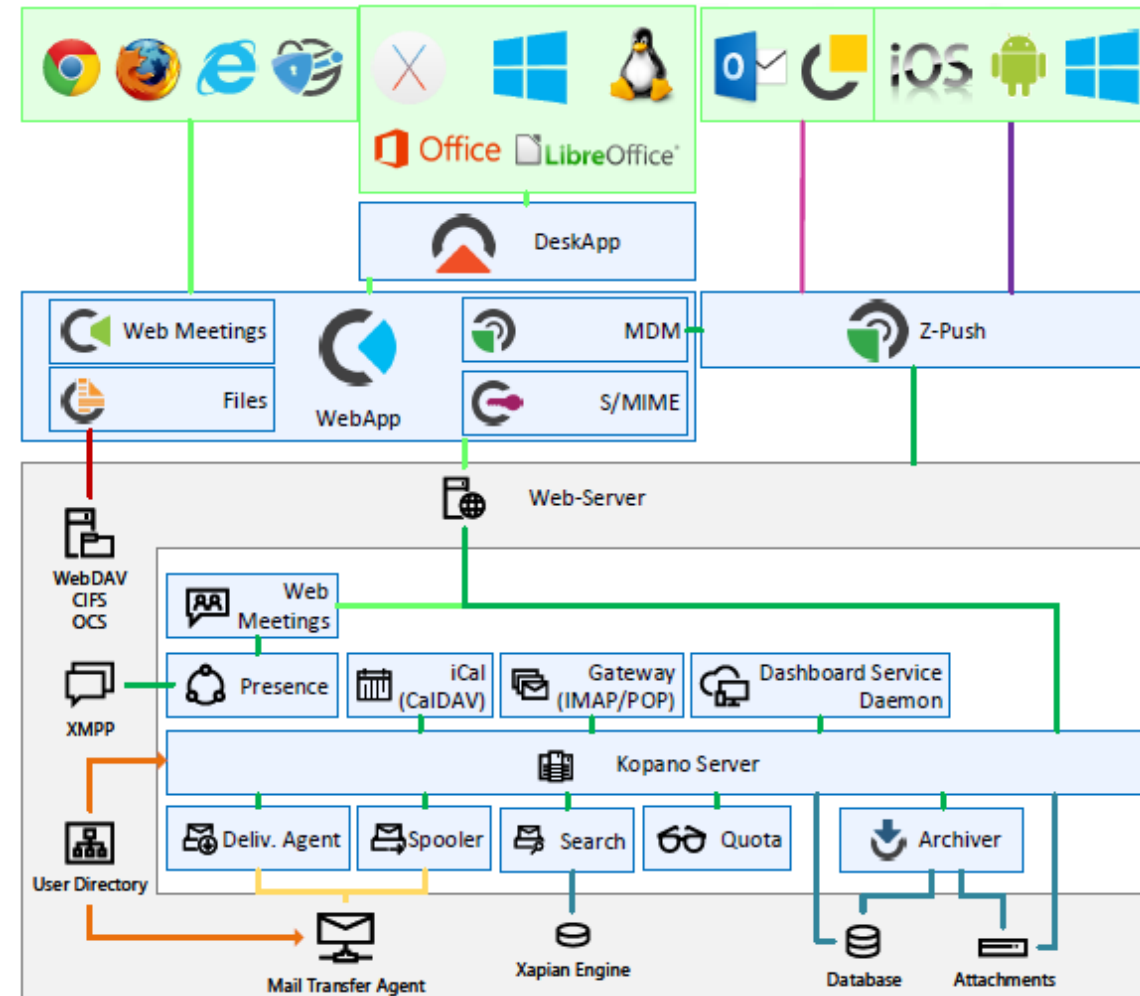# Component architecture with >100.000 users

Protocol architecture with >100.000 users

Architecture to deliver rich communication and file sync & share experience

- Modularity allows scalability to a cloud-level
- Primary communication services all web based
- REST interface based on Graph API
- Authentication based on OpenID Connect

The result

https://webapp.kopano.com/webapp/index.php

TODAY **MAIL** CALENDAR CONTACTS TASKS NOTES FILES MATTERMOST DOCUMENTS

Michael Kromer   Settings   Log

Kopano webradio
RAI Radio 1

Kopan

Mail   ◀   📁 Inbox   🔵 Mattermost ✕   🔍 changelog ✕   +

☐ Show all folders

changelog	All folders ▾	🔍		Date

🔍 **Search tools** ◀

Folders
☑ Include subfolders

Show..
☐ Mails
☐ Appointments
☐ Contacts
☐ Tasks
☐ Notes

Filter..
☐ Unread
☐ Attachments

Date
Any date ▾

Search..
☐ Sender
☐ Recipients
☐ Subject
☐ Body & Attachments

Filter category..

⭐ Favorites Select Category

⭐   Favorites

⭐ **Favorites**
  📁 **Inbox** 20690
  📁 Sent Items

▼ 👤 **Michael Kromer**
  📁 **Inbox** 20690
  ✏️ **Drafts** 40
  📁 Outbox
  📁 Sent Items
  🗑 **Deleted Items** 244
  ⊘ **Junk E-mail** 436

▼ 📁 **Public Folders**
  📁 Favorites
  ▼ 📁 Public Folders
    ▶ 📁 bjoern_test
    ▶ 📁 Felix
    📁 Influencer Mails
    ▶ 📁 martijntest
    ▶ 📁 Mathias
    ▶ 📁 NathanTest
    📁 Spam Collection
    📁 ÖH

Open Shared Mails +

✉️ **Bitbucket**   12:51 ⚑
KC/kopanocore - Pull request #2471: pyko: 8.7.0   **Inbox**
2 Comments   pyko: 8.7.0 changelog OPEN   BRANCHES kopanocore

✉️ **Bitbucket**   12:24 ⚑
KC/kopanocore - Pull request #2471: pyko: 8.7.0   **Inbox**
1 Approval   pyko: 8.7.0 changelog OPEN   BRANCHES kopanocore

✉️ **Bitbucket**   12:10 ⚑
KC/kopanocore - Pull request #2471: pyko: 8.7.0   **Inbox**
1 Approval, 2 Pushes, 2 Comments   pyko: 8.7.0 changelog OPEN

✉️ **Bitbucket**   11:57 ⚑
KC/kopanocore - Pull request #2471: pyko: 8.7.0   **Inbox**
Mark Dufour added you as a reviewer kopanocore pyko_87_changelog

✉️ Helmuth Neuberger   Mon 21-01 ⚑
RE: updated usage stats   **Inbox**
I would not talk much about it. HN -----Original message----- From: Felix

✉️ **Felix Bartels**   Mon 21-01 ⚑
RE: updated usage stats   **Inbox**
Hi Andreas, I want to publish the 8.7 final before the Meet event (next

✉️ **Bob Huisman (Confluence)**   13-12-2018 ⚑
[confluence] Bob Huisman > WebApp 3.5.0   **Inbox**
Bob Huisman created a page   WebApp 3.5.0 The final release of Kopano

✉️ **Bitbucket**   13-11-2018 ⚑
KC/kopanocore - Pull request #2346: Misc cleanups   **Inbox**

KC/kopanocore - Pull request #2471: pyko: 8.7.0 changelog

Bitbucket <bitbucket@kopano.io>
Sent: Monday 28th January 2019 12:51
To: Michael Kromer <m.kromer@kopano.com>

pyko: 8.7.0 changelog OPEN

BRANCHES

🏠 kopanocore pyko_87_changelog → 🏠 kopanocore master

REVIEWERS
👤✓ 👤✓ 👤 👤 👤

NEW ACTIVITY

2 Comments

Simon Eisenmann
Me confused - shouldn't the 8.7 changelog go into 8.7?
Reply · Like · 28 January 2019 12:41 PM

gitcommit gitcommit
[BuildFinished **KC_NG_Merge_Test**]
c8fd6005bb75fd44f71d9aa7a1953758fb99471c into
c8f26f63e7a2d2126f5fe42f0c47a5ea16d84262

‼️ **BUILD UNSTABLE** - Build *#2198* which took *41 min*
Reply · Like · 28 January 2019 12:46 PM

What is the result?
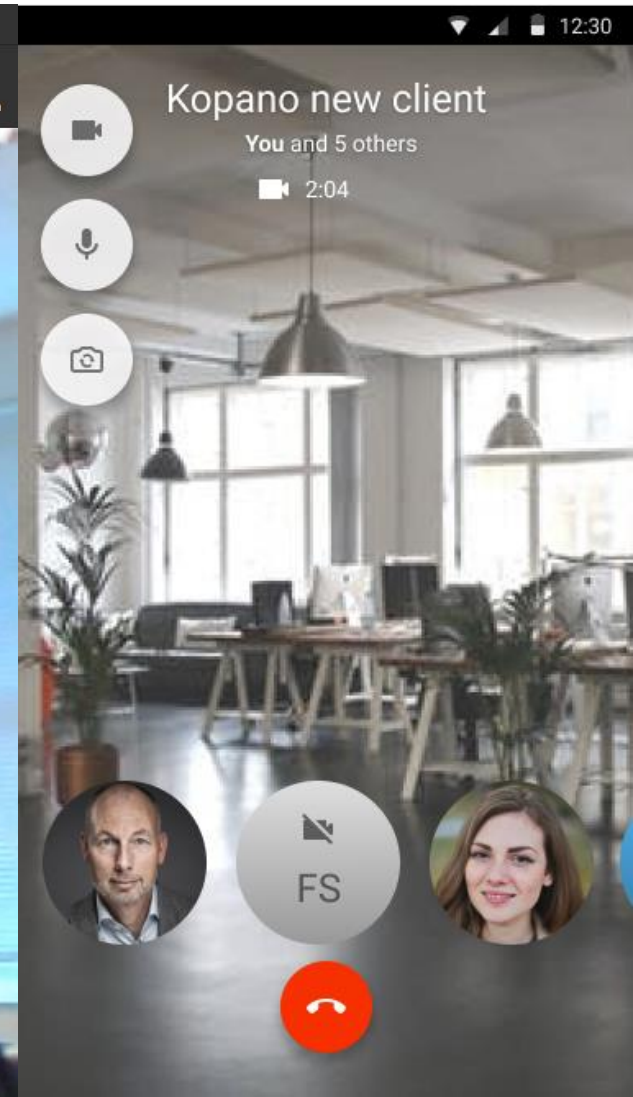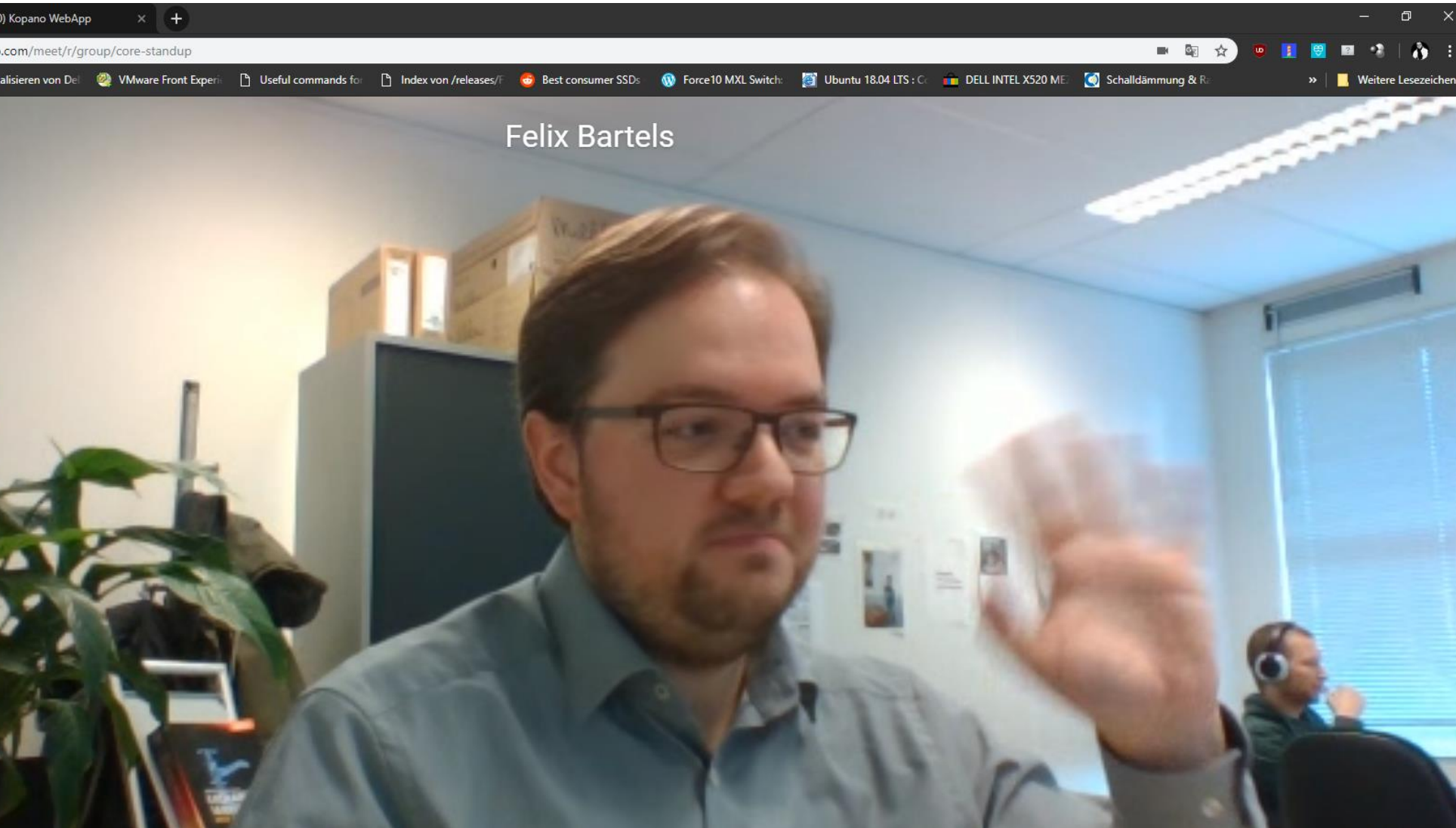
Thank you!

Q & A

Demo: In the Demo-Room