



MALT Project Overview

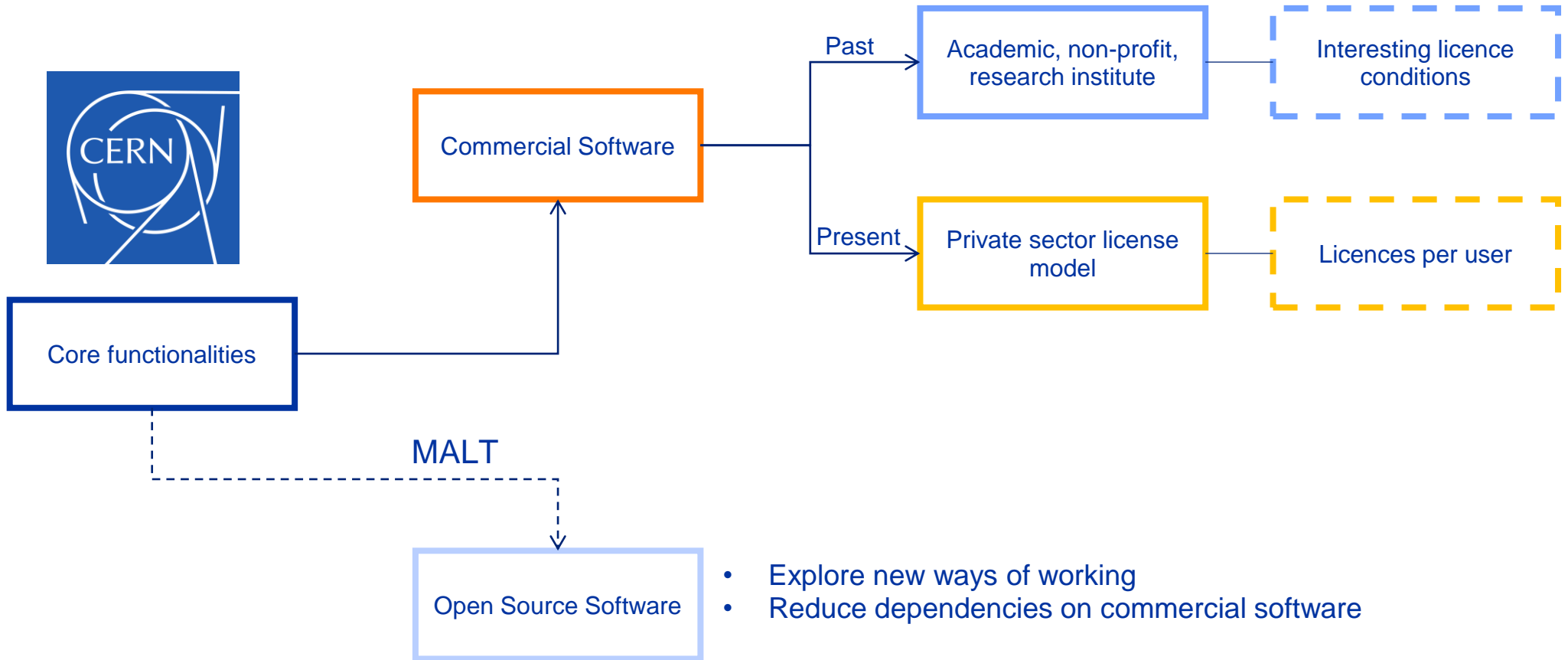
Maite Barroso Lopez, MALT Project Leader, on behalf on MALT project team

HEPIX Workshop, October 2020

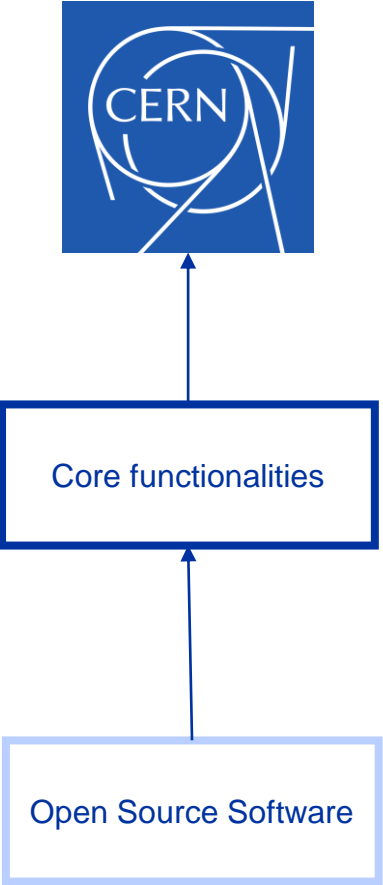
MALT in a nutshell

Why, What, Who, When

Why MALT?



MALT Ingredients



Organisational Challenges

- Large international organisation with many users
- Different working cultures, needs and expertise

Project Constraints

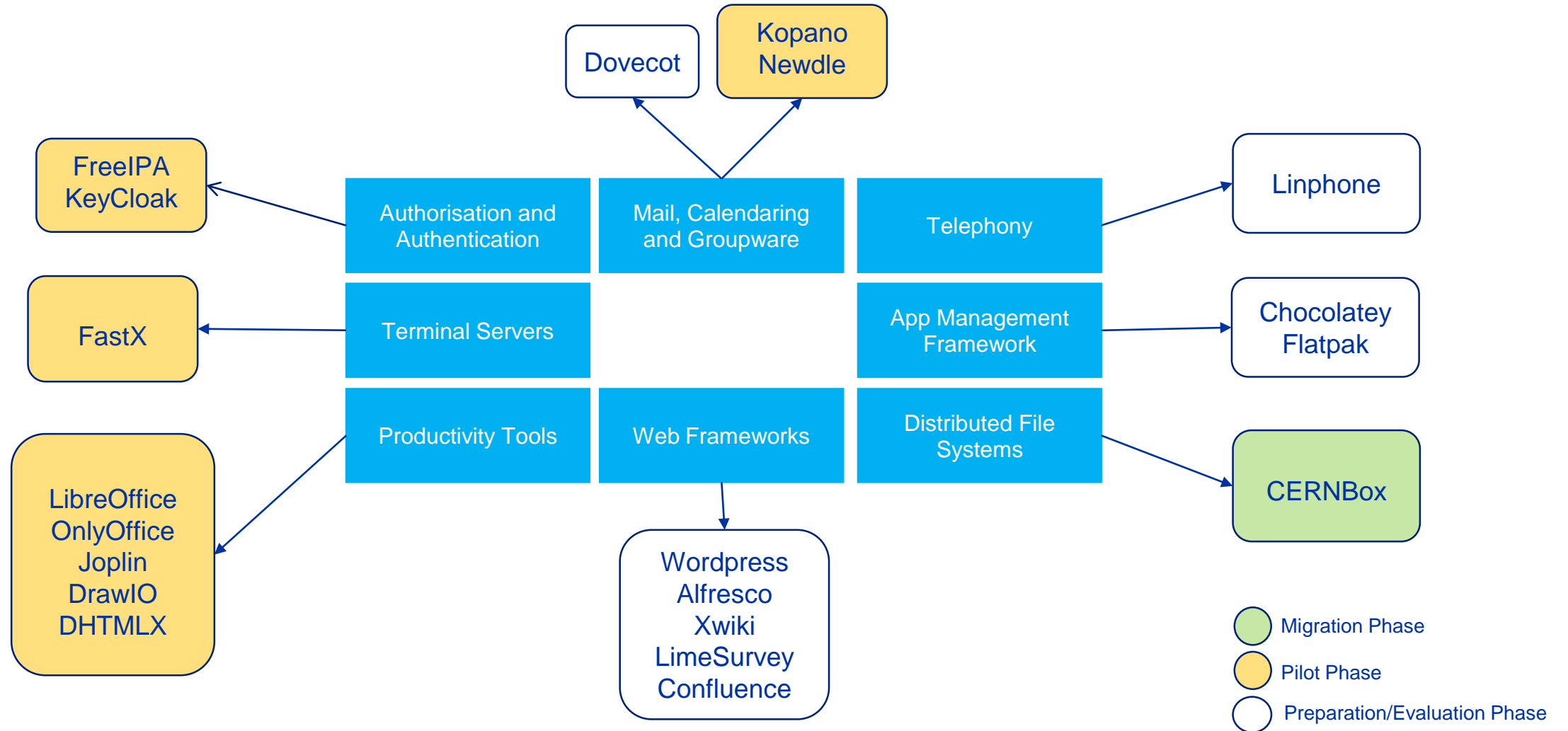
- Serve the most common use cases
- Avoid vendor lock-in
- Keep hands on the data

Technical & Human aspects

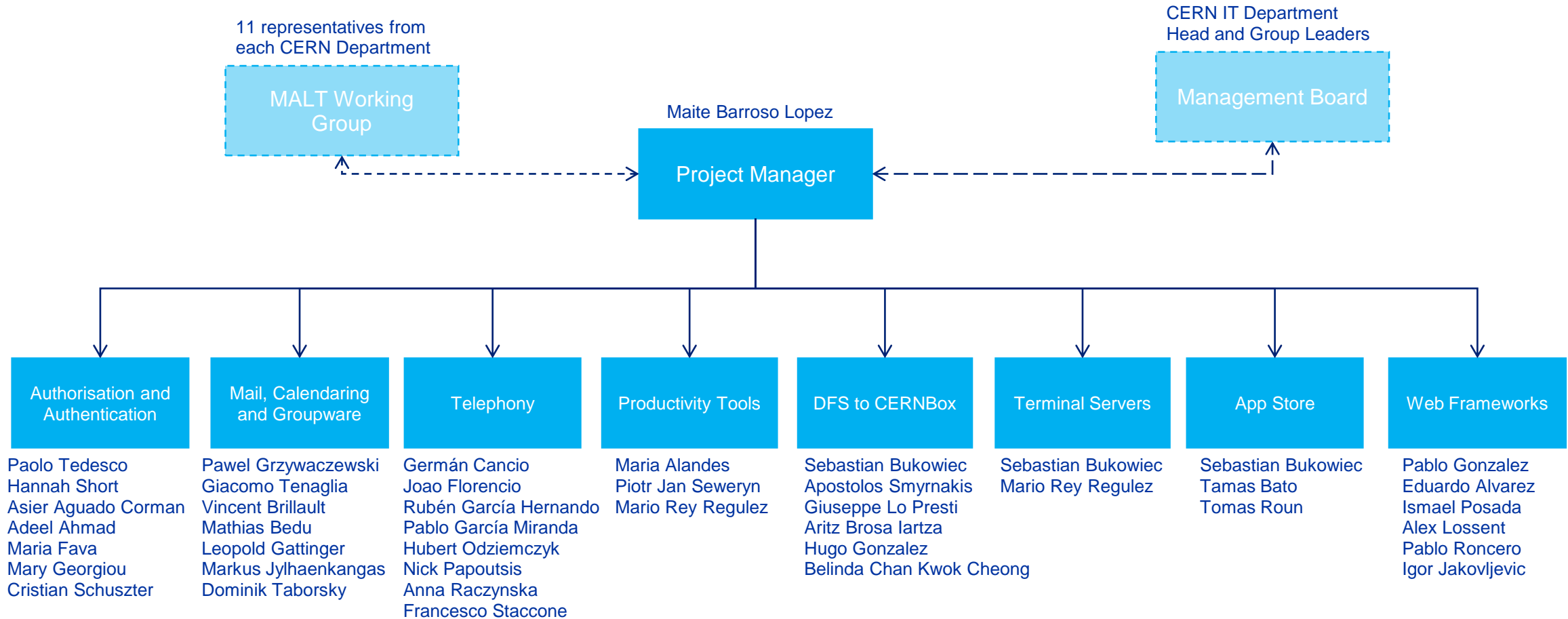
- Develop expertise and know-how
- Prove technical feasibility within the CERN context
- Engage with a diverse community



What is MALT doing?

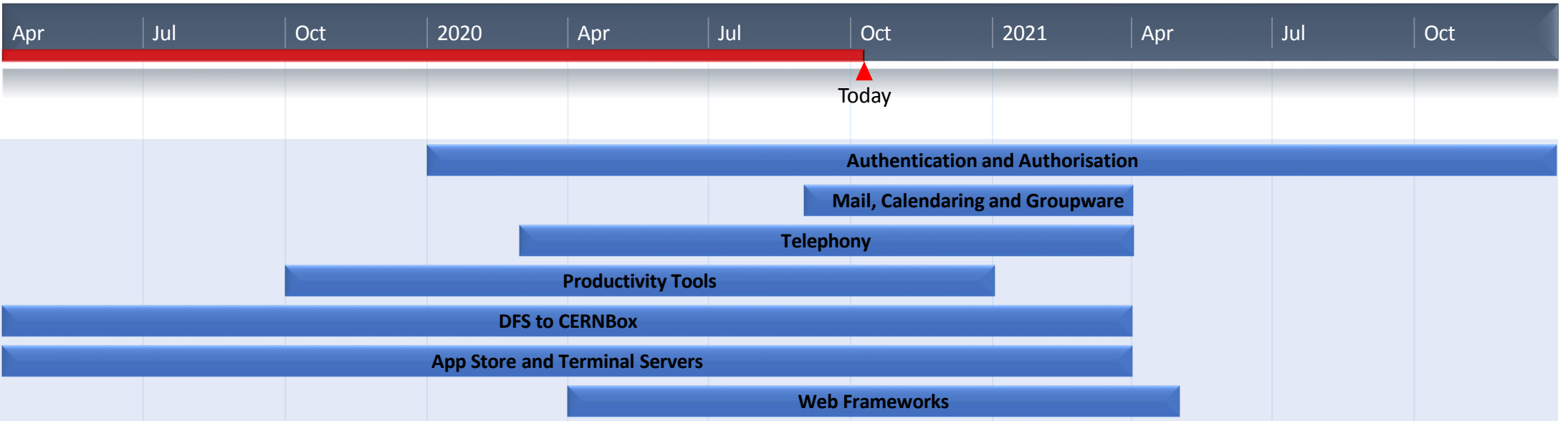


Who is in MALT?



When is MALT happening?

2019



2021

MALT

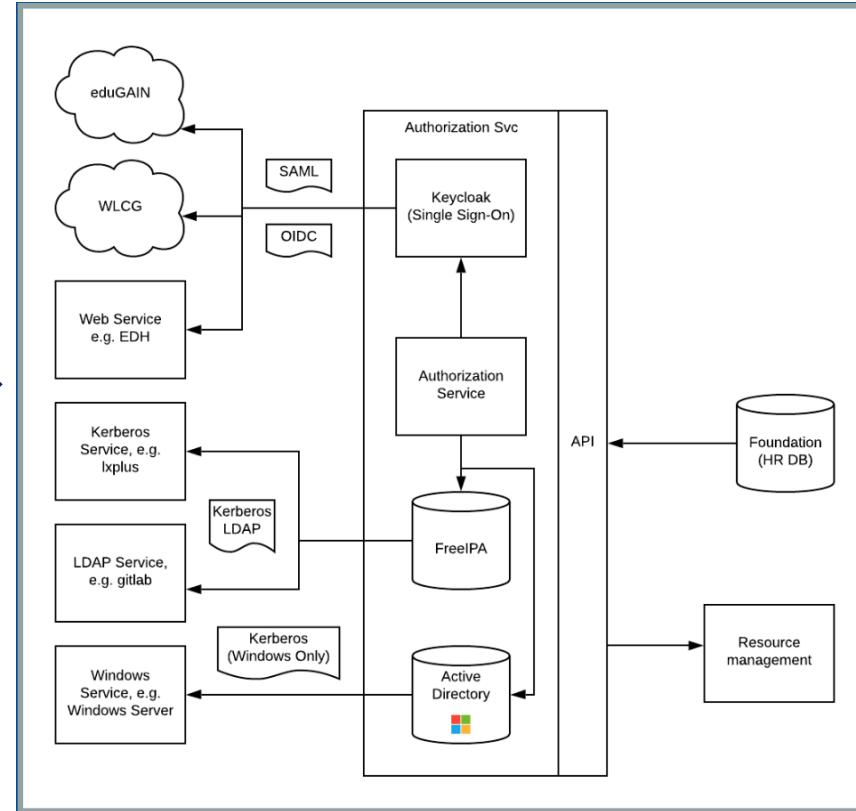
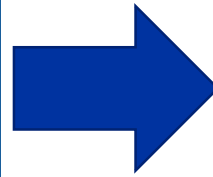
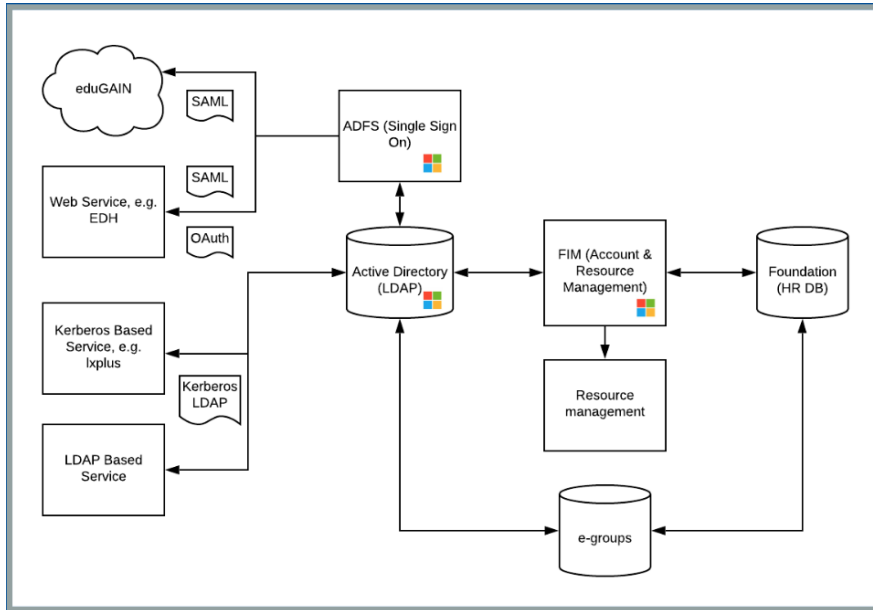
MALT Tasks

Overview of the different MALT Tasks

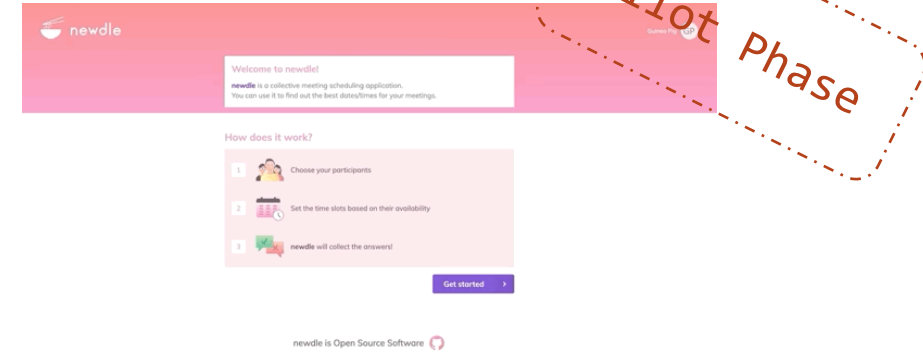
Authorisation and Authentication

Pilot Phase

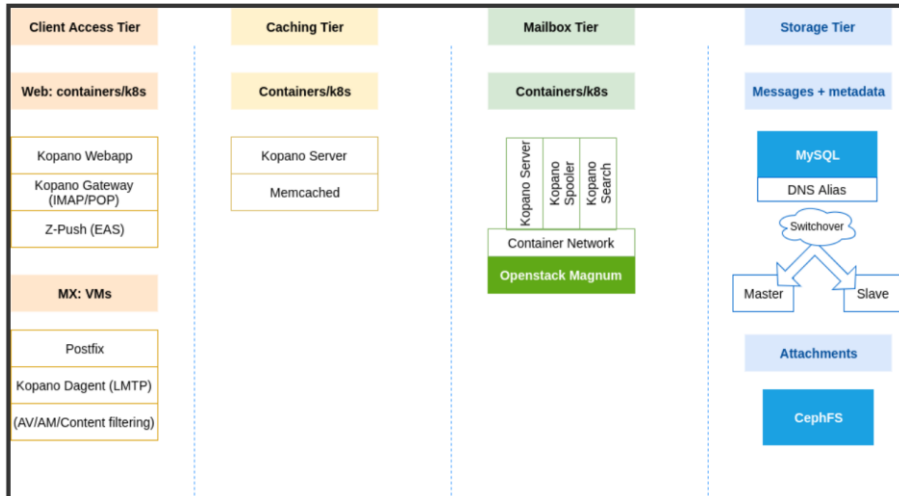
Before MALT



Mail, Calendaring and GroupWare

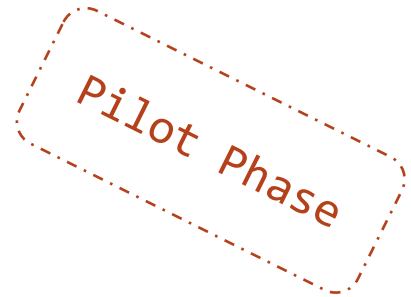


Kopano pilot to be decommissioned



Components selected, tested and deployed

- Mail: Dovecot HA architecture (CephFS, director)
- Webmail/groupware:
 - “FOSS Stack”:
Roundcube,
Baikal/SabreDAV
 - “OX App Suite” (CC-BY-NC-SA)
- Mailing list: Sympa, Mailman
Performance/functional tests ongoing



Telephony

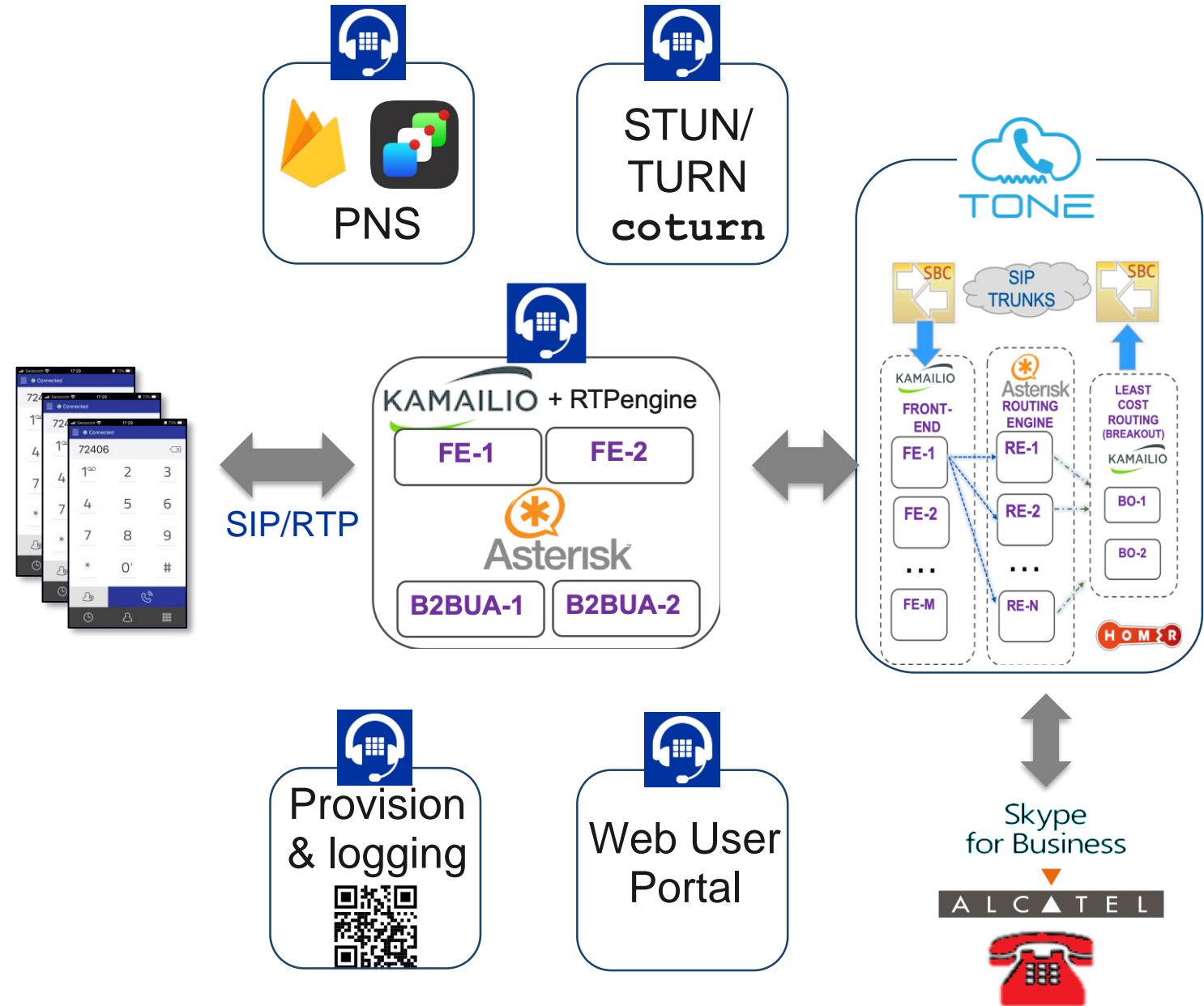
Preparation Phase

Strategy: Offer **attractive mobile apps** to phone users, prioritising iOS, Android clients over desktop

- Available for Android + iOS
- Up to 3 devices per number
- Wifi+mobile network support
- World-wide reachability on CERN fixed number

CERNphone – CERN’s upcoming softphone solution

<https://indico.cern.ch/event/898285/contributions/4034142/>

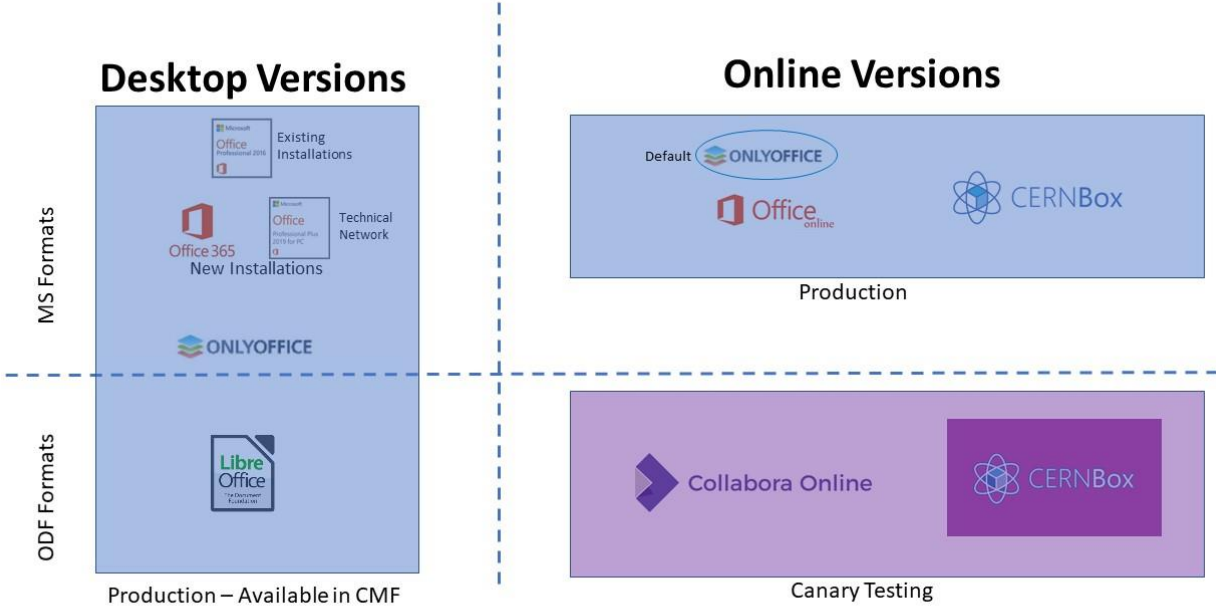


Productivity Tools

Pilot Phase

- Use Cases
- Installation
- Collaboration
- Training
- Platform

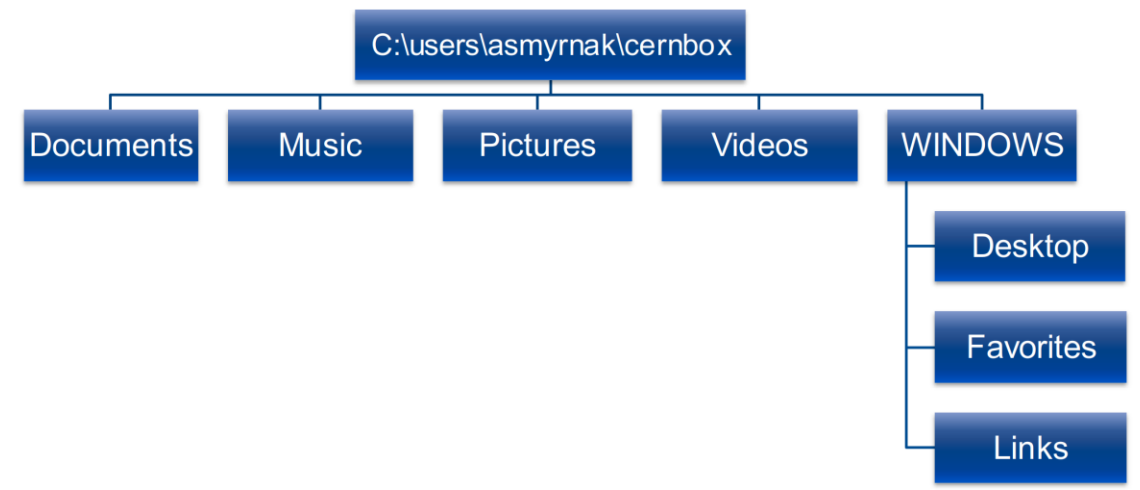
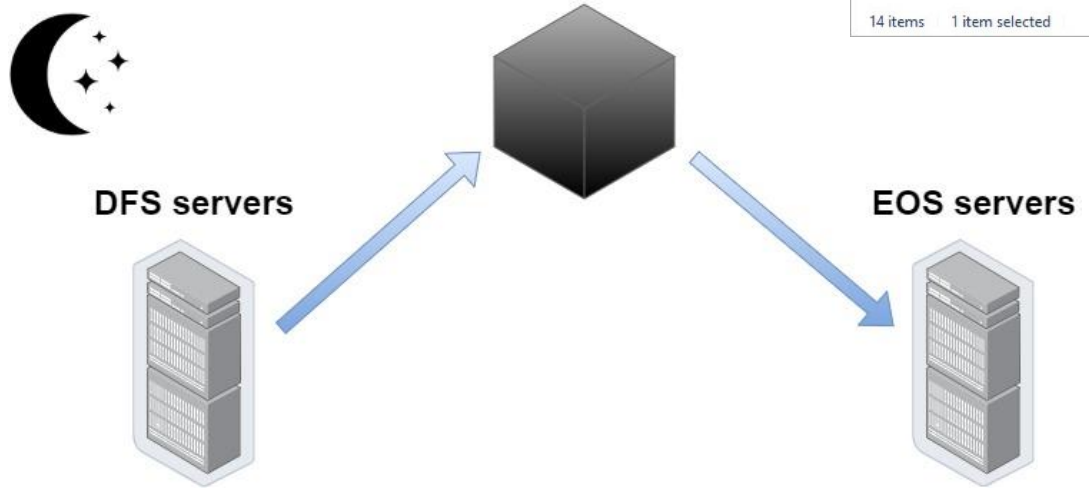
	Use Cases	Installation	Collaboration	Training	Platform
LibreOffice	Office Suite	CMF/MAC/Online	YES	CERN (Q4)	Multiplatform
OnlyOffice	Office Suite	CMF/MAC/Online	YES	CERN (Q4)	
Joplin	Note, Tasks	CMF/MAC	NO	Online Resources	
Codimd	Notes, Minutes, Slides	Online	YES	Online Resources	
Overleaf	Scientific Articles	Online	YES	Online Resources	
Drawio	Diagrams	Online	NO	Online Resources	
Gantt Viewer	Gantt Charts	CMF/MAC/Online	YES	Online Resources	
JIRA Gantt	Gantt Charts	Online	YES	Online Resources	



DFS to CERNBox

Migration Phase

Name	Date modified	Type	Size
Applications	9/28/2020 4:41 PM	File folder	
Clubs	2/6/2020 2:27 PM	File folder	
Departments	12/20/2017 11:48 ...	File folder	
Divisions	4/25/2016 6:47 AM	File folder	
Experiments	12/6/2019 3:01 PM	File folder	
Management	3/8/2016 11:00 AM	File folder	
Projects	9/2/2020 4:58 PM	File folder	
Scratch	5/8/2014 11:51 AM	File folder	
Services	9/23/2020 12:01 PM	File folder	
Support	5/28/2019 9:09 AM	File folder	
Systems	5/8/2014 11:51 AM	File folder	
Users	5/8/2014 11:51 AM	File folder	
Websites	4/22/2016 3:34 PM	File folder	
Workspaces	5/8/2014 11:51 AM	File folder	







Terminal Servers

Pilot Phase

Bookmarks Command

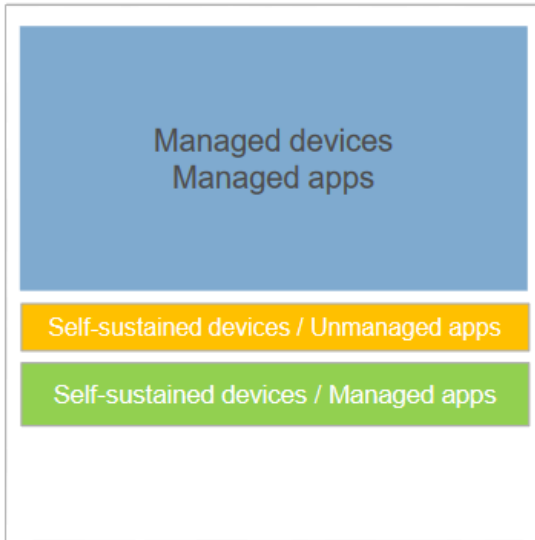
Filter Bookmarks System ▾

 GNOME™ GNOME	 KDE	 XFCE	 xterm
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Cancel Launch ▾

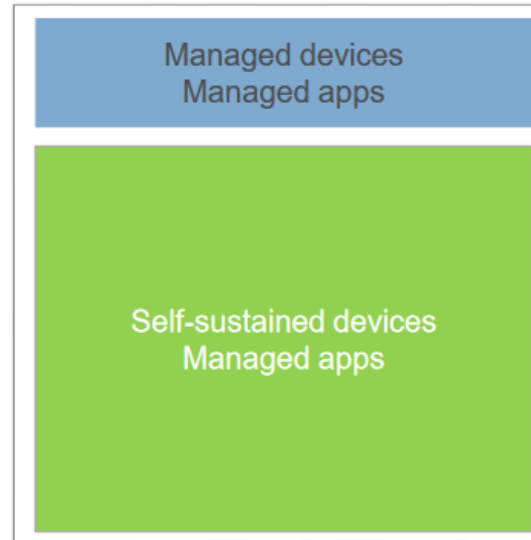
App Store

Managing devices



change of focus

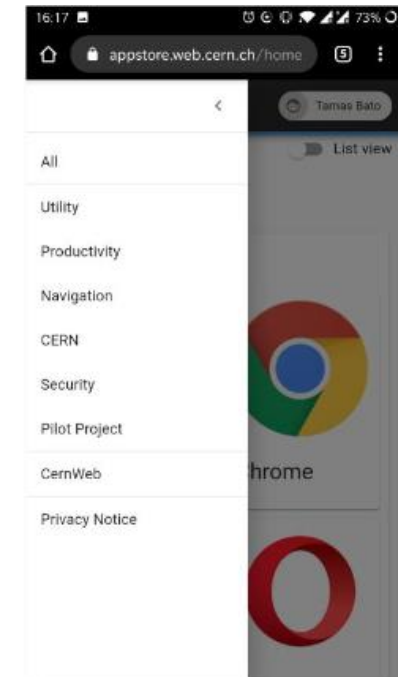
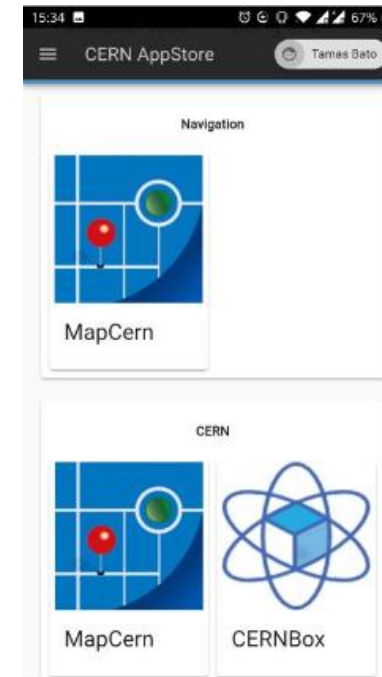
Managing apps



- CERN-owned Windows
 - Hardened PC
 - Locally-managed
 - Centrally-managed
- BYOD Windows
- BYOD Macs
- CERN-owned Macs
- iOS
- Android



Preparation Phase

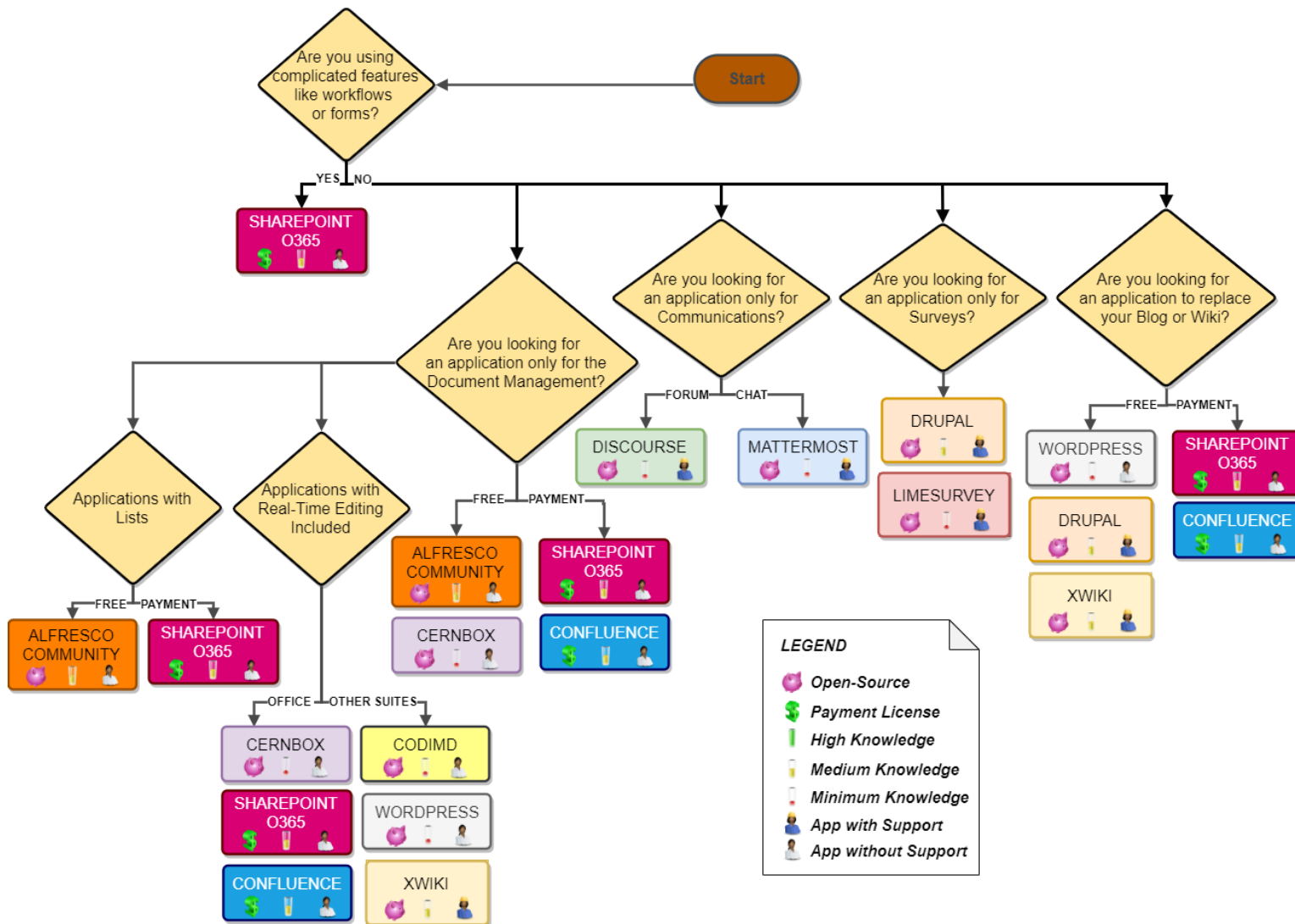


CERN AppStore for BYOD Devices

<https://indico.cern.ch/event/898285/contributions/4051174/>

Web Frameworks

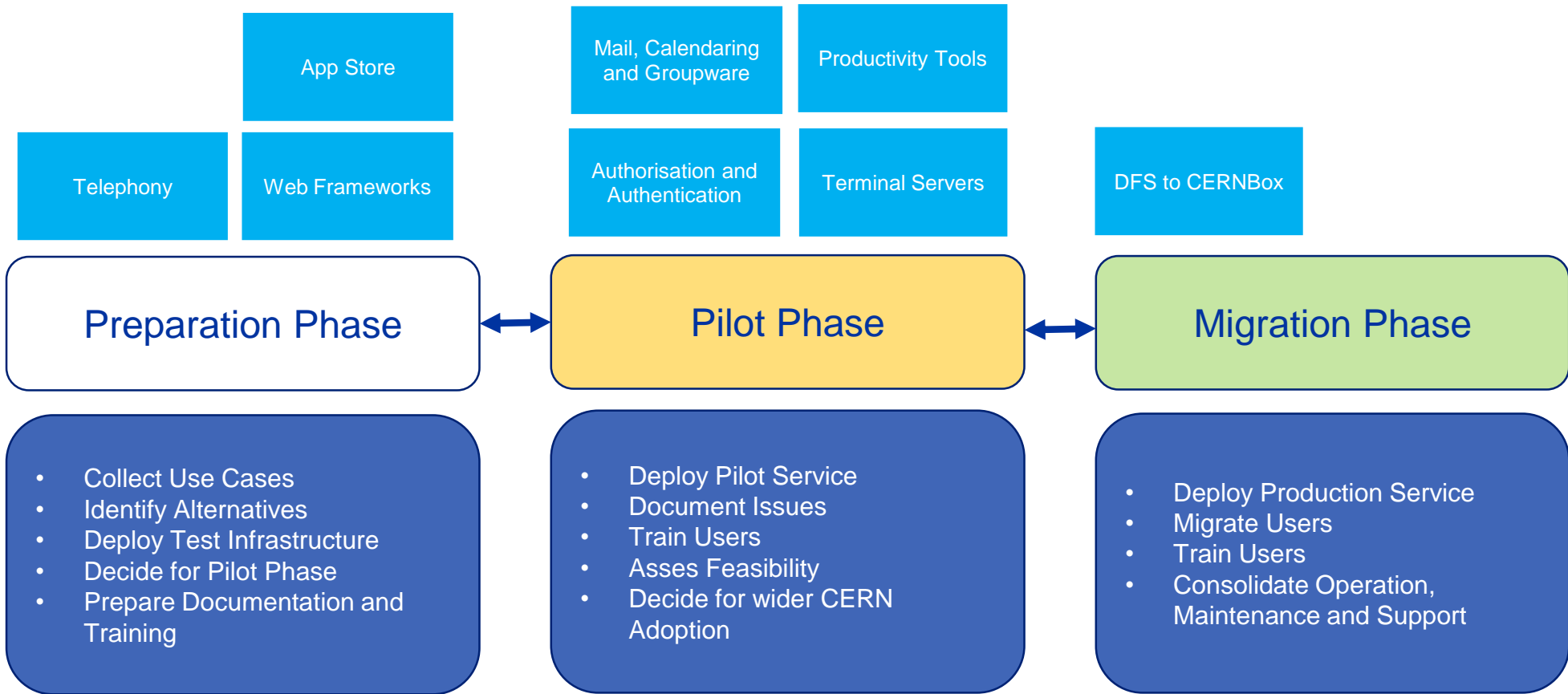
Preparation Phase



MALT Next Steps

Moving forwards

Next Steps



Useful Links

Authorisation and Authentication

<https://auth-admin.docs.cern.ch/>
<https://auth.docs.cern.ch/>

Mail Calendaring and Groupware

<https://mailservices.docs.cern.ch/>
<https://newdle.cern.ch>

Telephony

<https://cernphone.docs.cern.ch/>

Terminal Servers

<https://applications-gateway.docs.cern.ch/LinuxApplicationsGateway>

<https://malt.web.cern.ch>

App Store

<https://cern.ch/appstore>

Productivity Tools

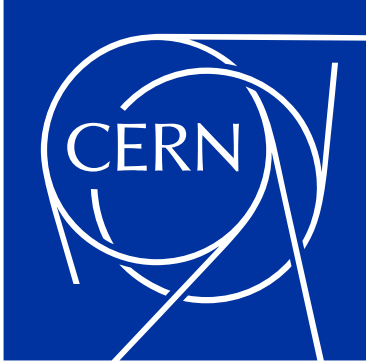
<https://devices.web.cern.ch/pss>

Web Frameworks

https://codimd.web.cern.ch/qg_5ahNzSHeo_hOsbLWzx3A#

DFS

<https://devices.docs.cern.ch/devices/windows/dfstocernbox/>



home.cern