



at CS3 Workshop 2017





- Christian Sprajc (CEO):   
- sprajc (et) powerfolder.com
- [+49 2132 97 92 292](tel:+4921329792292)

- PowerFolder / dal33t GmbH:  
- www.powerfolder.com
- contact (et) powerfolder.com
- [+49 2132 97 92 290](tel:+4921329792290)



PowerFolder – Team – 13 Employees – 5 Externals



PowerFolder – Background + Contact

- Enterprise File Sync+Share solutions (EFSS) since 2007 for SMEs, Enterprises, Education- and Research-Organizations
- IT-Company headquartered at [Düsseldorf, Germany](#)
- [Market leader in publics in Germany](#) (Government, education and research)
- 3M+ users, several thousands customers: from SMEs to Fortune500
- Wide network of channels/partners (DE, EU, ME, LATAM)

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Gefördert durch:



Bundesministerium
für Wirtschaft
und Energie

aufgrund eines Beschlusses
des Deutschen Bundestages

TERRA DRIVE

FILE SYNC- UND SHARE LÖSUNG

+ SICHER

+ FLEXIBEL

+ GEMEINSAM ZEITGLEICH ARBEITEN

+ IHRE DATEN IN DEUTSCHLAND






- Commercial Sync+Share cloud in Germany
- Direct P2P Sync between apps, clients and servers
- Integrated End-to-End encryption
- Online editors for documents, spreadsheets and presentations
- Integrated malware protection and removal
- Free 5 GB accounts, 25 GB lifetime accounts for education



- Sync+Share cloud operated by GWDG for:
 - University of Göttingen (35.000 user)
 - Max-Planck Society (83 institutions)
 - DFN-Members (DFN-Cloud)
- SSO via LDAP + Database (Externals)
- In production since 2012

<https://cloudshare.gwdg.de>

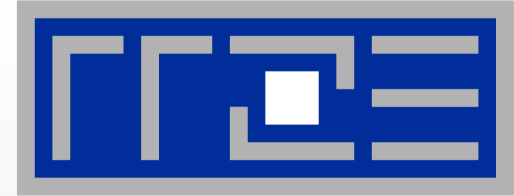


- Largest EDU Sync+Share cloud in Germany. Op since 2013
- 9 Universities plus ~65 institutions
- Reach: ~500.000 users in Baden-Württemberg, Germany
- Funded by the Ministry of Science, Research and Art
- Integrates seamless with 

<https://bwsyncandshare.kit.edu>



lrz Sync+Share



- Operation of File Sync und Share Service by
 - LRZ for TUM, LMU and 11 more
 - RRZE for FAU and 6 more
- Mixed SSO via LDAP, DB and SAML (ECP)
- In production since Sep 2015

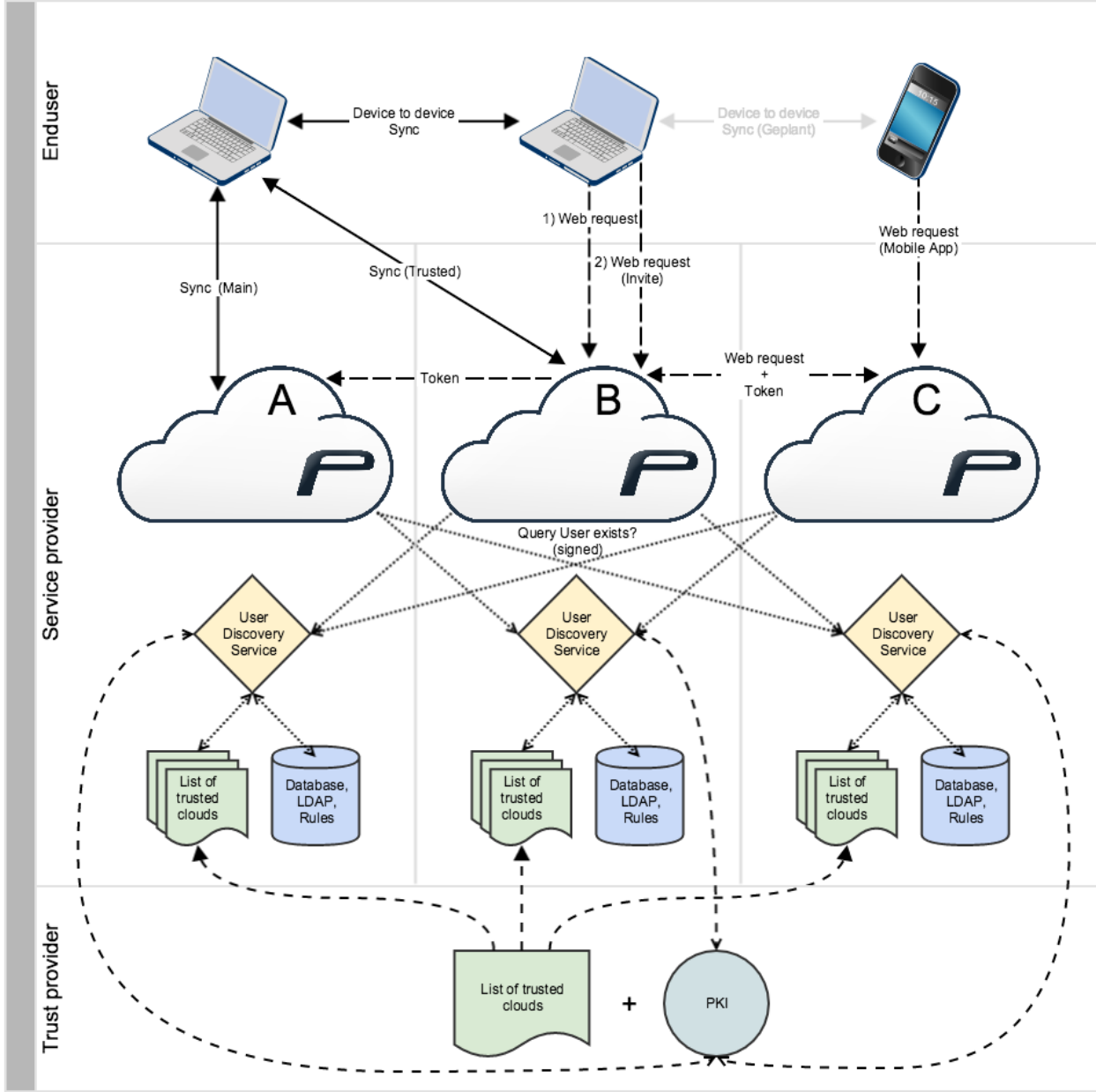
<https://syncandshare.lrz.de>

<https://faubox.rrze.uni-erlangen.de>



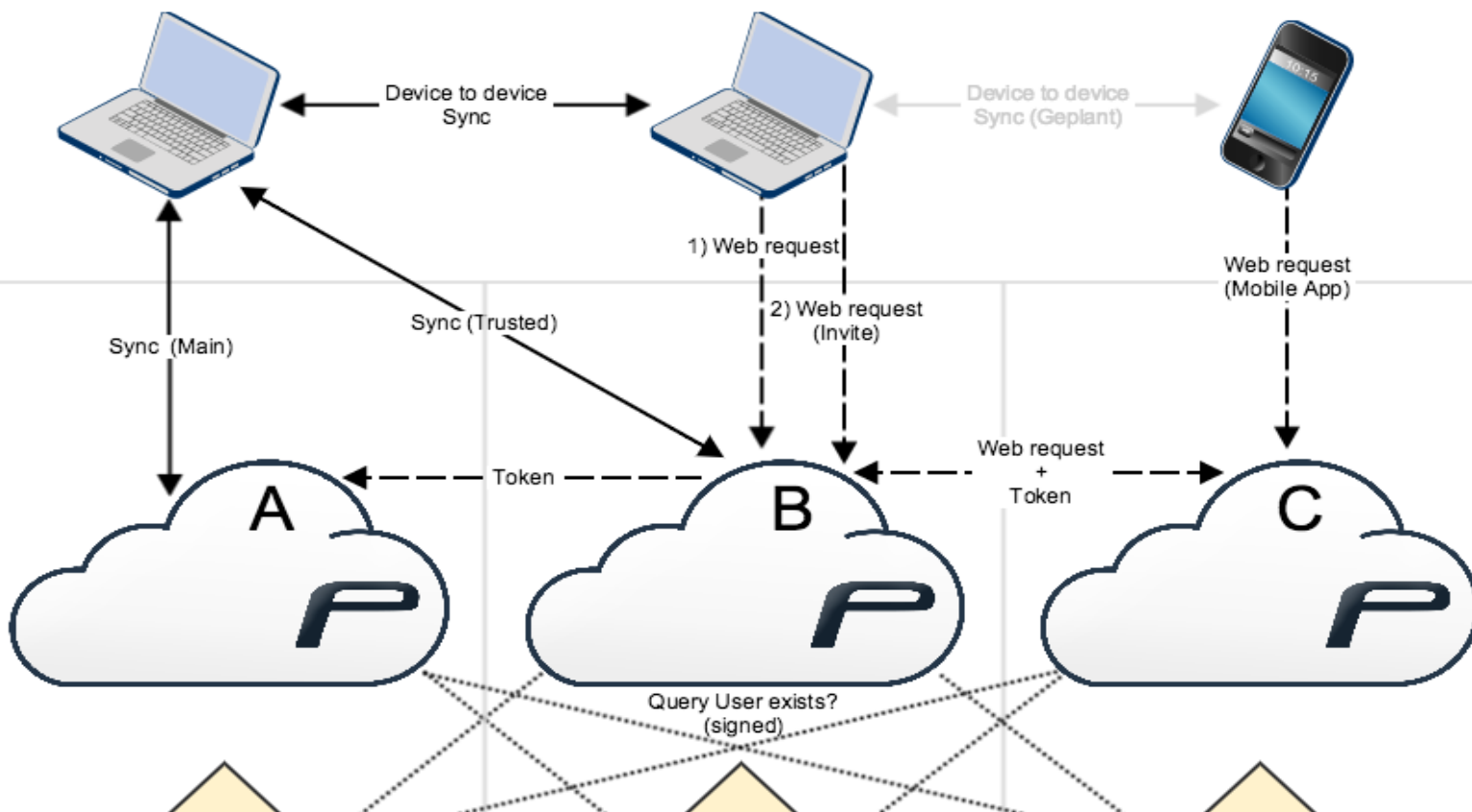






Enduser

Service provider

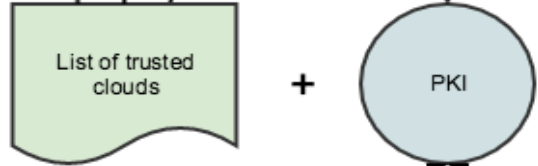
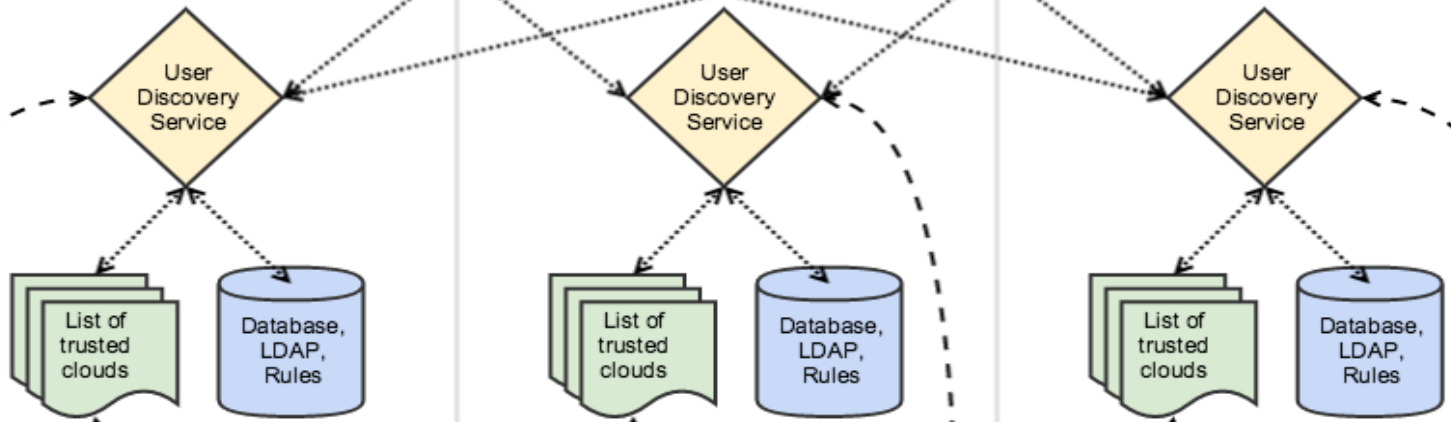


Service provider

Trust provider



Query User exists?
(signed)



Roadmap



2016

Test-Federation

Federated Sync+Share
with trusted services,
clients and apps

2017

Ready for production

Federal setups +
trust centers

2018

County-wide +
In- and outside the EU

NRENs as trust center?!



1. Relaxation-Tools ;) Get yours at: [contact \(et\) powerfolder.com](mailto:contact@powerfolder.com)
2. Lifetime free 25 GB cloud space for EDU at: MY.POWERFOLDER.COM
3. All tech docs about fed clouds implementation: WIKI.POWERFOLDER.COM
4. File Sync+Share protocol –redesign in protocol buffers: Q1/2017
5. Free test-licenses + tech support for fed clouds tester: DEMO.POWERFOLDER.COM