What we are doing with ownCloud today – and how it can get even better

Thomas Hildmann | tubIT – IT Service Center | ownCloud Contributor Conference 2015
Welcome at Technische Universität Berlin!
Introducing TU Berlin and tubIT IT Service Center

Technische Universität Berlin (since 1946)

- Teaching began at the Mining Institute (1770)
- about 32,000 students and 8,400 employees
- cover an area of 604,000 m²
- 7 faculties + campus El Gouna (Egypt)

TubIT – IT Service Center (since 2006)

- Mission: basic services, data-center, network (LAN and WiFi) for university
- full service to the desktop for service and administration
- distributed service approach for academics and teaching
- departments: user services, identity management, infrastructure and customer services
ownCloud @ TU Berlin
ownCloud Facts

ownCloud @ TU Berlin

- 100 GB for employees
- 20 GB for students
- 250 GB for organisations

some data

- 16.444 storages in database
- 32 million filecache entries
- 23 TB payload data + 9 TB overhead

DFN-Cloud

traffic a day

- 4 organizations with contracts
- 2 test-instances
- 5 testers in the past
- 2 additional testing customers now

- 1.700 unique logins
- 33.000 edited/added files
How to get better? (1 of 2)

The ownCloud everywhere dilemma

- My private ownCloud is running on my friends server with 20 users
- At work ownCloud is running on > 20 servers for > 20,000 users
- different environments and different needs

Code quality needs to be improved

- more stable, faster, easier to enhance, rewrite and debug, more secure
How to get better? (2 of 2)

Security
- encryption 2.0 is a great approach
- usability is important for security (e.g. share with the right people)

Integration
- Infrastructure: NFS/SMB, SharePoint, ...
- App integration: ownCloud API
- Solution: TagSpaces, E-Mail integration, Social Media (e.g. Jive)
Our part – ownCloud Contributor TU Berlin

1) Running ownCloud for TU Berlin users and other universities

2) Supporting Bachelor and Master Thesis with ownCloud topics

3) German Conference „Cloud storage for Academia“

4) Space for the ownCloud Contributor Conference
I wish you...

some **great talks** with interesting impulses and

happy hacking!!!

Do some awesome things!