Quo Vadis, CS3 Project?

A few thoughts about the CS3 Project

CS3 Conference 2022

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Topics

1 ownCloud's view on the CS3 Community

2 ownCloud Infinite Scale around the corner

3 A few detail aspects of project work

4 Governance

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ownCloud's View on the CS3 Community

...from the C "Technical" O perspective

- A reliable community of users, providers and companies around EFSS.

- Great source of valuable input for ownCloud.

- Very fruitful collaboration at technical level for many years.

- One of the pillars of ownCloud's success.

- The CS3 community is very successful and we are happy and proud to participate!

Working within the CS3 project is great!
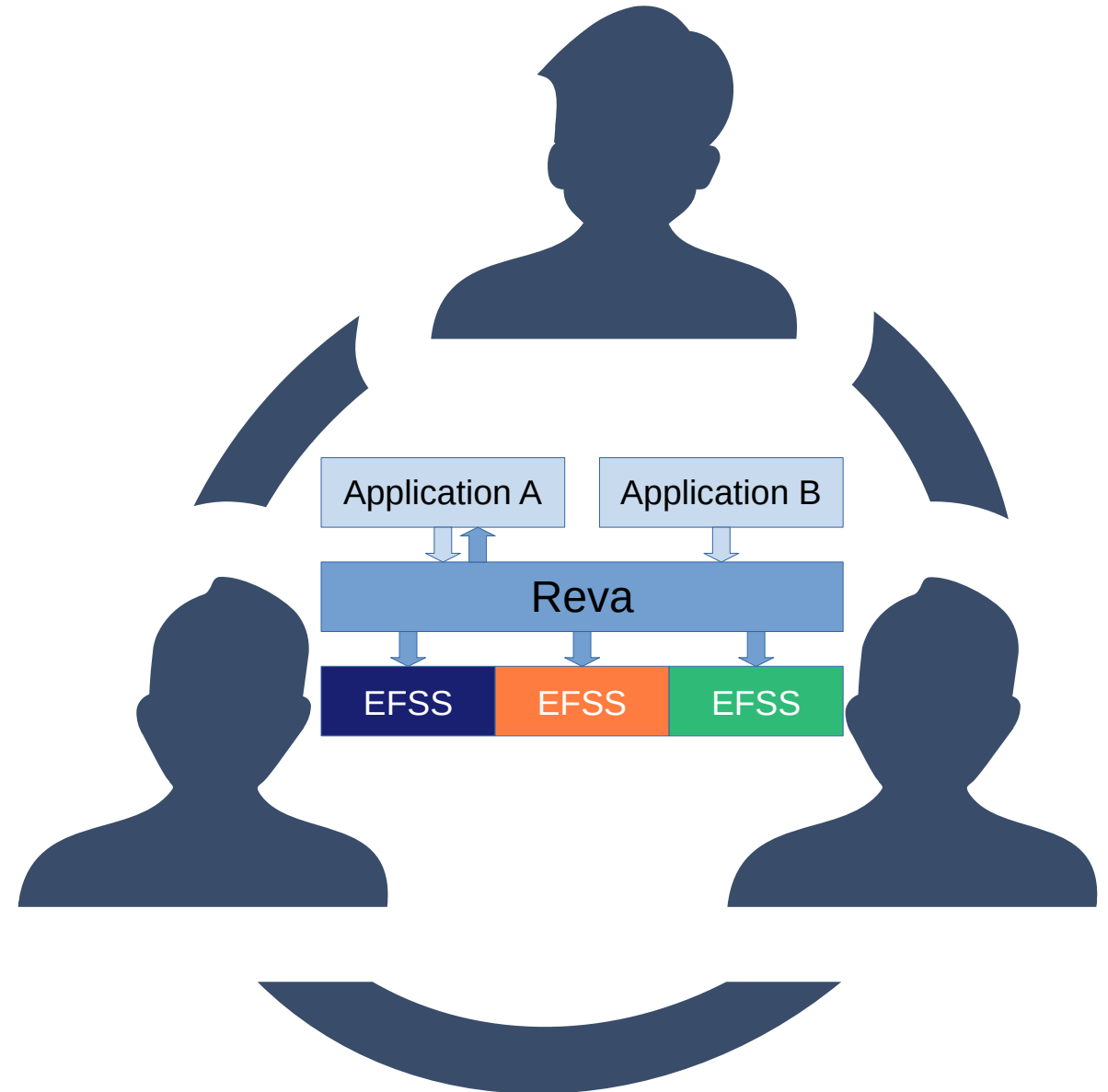
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The CS3 Community today:

mainly driven by European science organizations and EFSS vendors.

The CS3 Community drives

- communication to build interoperability
- definition of interfaces
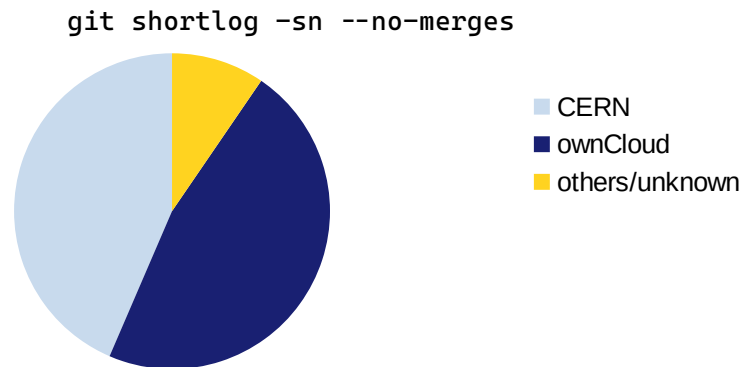- funding to build the ecosystem

The CS3 Community builds

- abstraction layer for EFSS systems.
- APIs to build applications.
- framework for federation
- reusable components (WOPI-server)

How is ownCloud contributing?

- provides code for various products starting with oC10.

- ownCloud Infinite Scale builds on Reva.

- Contributing significantly to Reva and other CS3 projects.

Reva Commit Numbers per Organization

`git shortlog -sn --no-merges`

- CERN
- ownCloud
- others/unknown

- Non code related activities: Early adopter meetings, discussions, conferences...

Reva is part of ownCloud's product offering.

1. What is the desired scope of the CS3 project in the future?

2. Can we make the CS3 Project even more successful?

3. How can we attract more parties to engage?

Community and Communication

- **Currently we are a very focused group.**

- **Should we reach out for other stakeholders?**
  - For example Industry, healthcare, public sector?
  - Which topics would be related?

- **What other projects are related to what we do?**
  - https://solidproject.org/
  - https://ipfs.io **?**

- **Can we „manage" a more diverse community?**

  Communication?
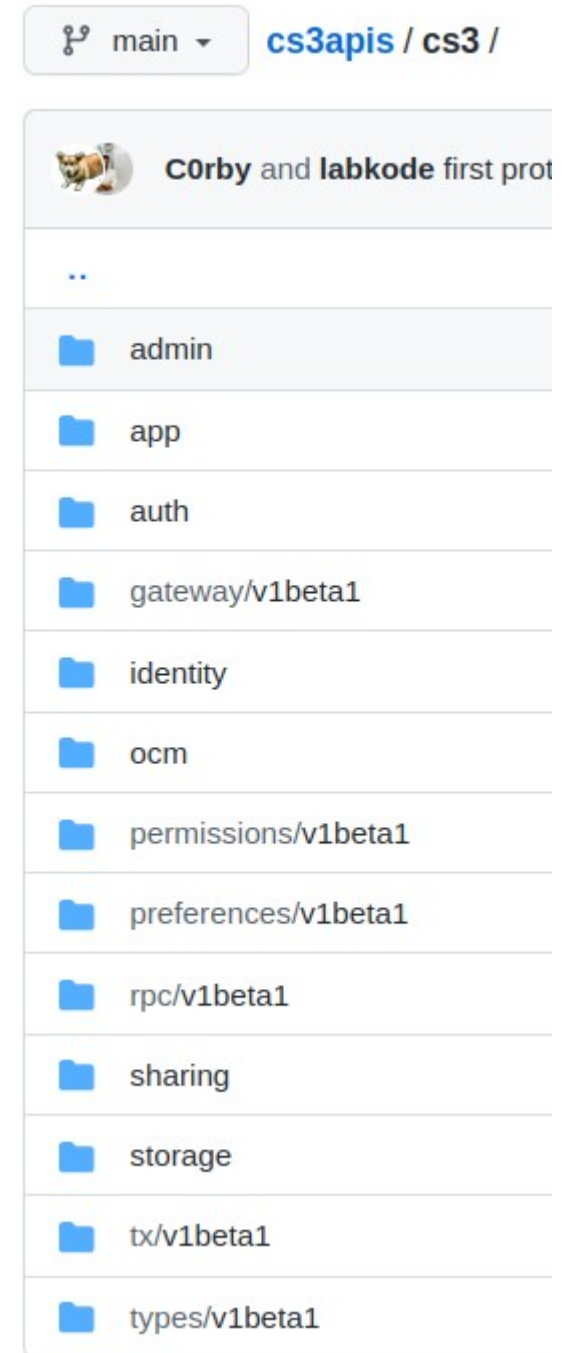 **Documentation?**

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APIs and Code

The CS3 API is already very big, and so is Reva.

To make it easier to use and collaborate on code we might want to

- **Limit the scope of the project and API**

  - The art of saying „No"

- **Define Core- and extension modules**

- **Maintain the dependencies**

  - ie. extensions only may depend on the core module, but not on other extensions
    Example: KDE Framework tiers

„Never implement today what you can't maintain tomorrow!"

Quality

We need a common way to define and implement code quality.

- Define and defend coding standards

- Useful integration tests

- Unit tests

ownCloud started an CS3 Interface test
→ Litmus test for CS3 to validate implementations.

Special test suites for functionality like Cloud Mesh or performance metrics.

Releases and Maintenance

The CS3 APIs and Reva need to provide a stable base.

To provide that, we need

- Defined code- and API releases.

- A proper versioning scheme like „Semantic Versioning"

- Regular releases (time based)

- Security related maintenance at least.

- A possibility to have stable and fast moving branches.

Federation raises complexity!

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Governance

> **Repositories under the CS3 GitHub Organization are governed by CERN for the benefit of the community. CERN strives to make the projects under this organization collaborative, open and transparent to ensure that everyone can contribute and have their say on the directions of the projects.**
>
> …
>
> *The current governance model puts in words how the collaboration currently works in practice today and sets a basic framework for how we collaborate and take decisions in the project. If the nature of the community or contributors changes this governance model may be reviewed and changed if necessary.*

🔗 https://github.com/cs3org/.github/blob/master/GOVERNANCE.md

With the increasing maturity of the project we should discuss the governance model.

Governance Change Proposal

- **Ramp up to three Product Managers?**

- **Elect the Product Managers on the annual CS3 conference?**

- **Who can elect?**

  - By contribution, „influence" or membership?

  - Example: each Architect could have a votings to reflect the engagement.

🔗 **https://github.com/cs3org/.github/blob/master/GOVERNANCE.md**

Thanks & have fun at the conference!

Feedback and Questions:

   Email: `kfreitag@owncloud.com`

   Chat: `https://talk.owncloud.com/channel/ocis`