CERN-Solid code investigation

Maria Dimou (CERN) & Jan Schill (IT University Copenhagen)

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Overview

1. **Introduction**
2. **Why** investigate into CERN-Solid?
3. **What** is Indico?
4. **How** is the investigation carried out?
5. **Conclusion**
6. **References**

Introduction

Investigate the integration of Solid principles into software from CERN

Why investigate into CERN-Solid?

- CERN the birthplace of the Web
- Many sophisticated software projects at CERN
  - Already open source
  - Operational status (tens of thousands of users)

What is Indico?

- Open-source tool for event organisation, archival and collaboration
- "*Indico is used every day at CERN to manage more than 600,000 events of different complexities and 200 meeting and conference rooms.*"

https://github.com/indico/

Why Indico can be a PoC for Solid

- 20 years of excellent operational quality
- No incentive for user data in modules of
  - Conference registration
  - Meeting comments

How is the investigation carried out?

1. **Review Solid specification**
2. **Evaluate Solid implementations**
3. Enrich Indico with Solid principles
4. Recommendations on Solid adoption in CERN applications
5. Document challenges, advantages, gaps
6. Presentation of proceedings

GitHub: janschill/uni-research_project

Conclusion

The success of the CERN-Solid code investigation project is important:

1. For the MSc thesis at itu.dk to demonstrate that the implementation works.
2. For CERN to be inspired by the PoC and embrace Solid.

References

- Detailed project description
- Project GitHub repository
- Indico GitHub repository