

GitLab@CERN Day

Report of Contributions

Contribution ID: 1

Type: **not specified**

CERN opening talk

Wednesday, 3 October 2018 10:30 (15 minutes)

Welcome talk, introductions

Presenter: LOSSENT, Alexandre (CERN)

Session Classification: Morning session

Contribution ID: 2

Type: **not specified**

CERN presentation of GitLab deployment at CERN

Wednesday, 3 October 2018 10:45 (15 minutes)

History of the GitLab project at CERN
Some numbers about CERN's GitLab instance
How CERN deploys and operates GitLab
High-level use cases

Presenter: LOSSENT, Alexandre (CERN)

Session Classification: Morning session

Contribution ID: 3

Type: **not specified**

GitLab use at CERN: ATLAS reusable research

Wednesday, 3 October 2018 11:00 (10 minutes)

Overview on how we use gitlab + kubernetes within ATLAS to drive reusable research

Presenter: HEINRICH, Lukas Alexander (New York University (US))

Session Classification: Morning session

Contribution ID: 4

Type: **not specified**

GitLab use at CERN: computer center configuration management

Wednesday, 3 October 2018 11:10 (10 minutes)

Presenter: BARRIENTOS ARIAS, Nacho (CERN)

Session Classification: Morning session

Contribution ID: 5

Type: **not specified**

GitLab use at CERN: using CI for FPGA development at LHCb

Wednesday, 3 October 2018 11:20 (10 minutes)

How we rely on GitLab-CI to produce:

- the FPGA firmware for our custom data acquisition hardware
- the custom software and drivers to access it
- the SCADA middleware to control and configure it

Presenter: DURANTE, Paolo (CERN)

Session Classification: Morning session

Contribution ID: 6

Type: **not specified**

GitLab talk - Who we are (as a company), Roadmap and Vision

Wednesday, 3 October 2018 11:40 (30 minutes)

Presenter: Mr VAN DER VOORT, Job (GitLab)

Session Classification: Morning session

Contribution ID: 7

Type: **not specified**

Open discussion

Wednesday, 3 October 2018 14:30 (1 hour)

Topics: see attached Hackmd note

Depending on how many persons want to participate, this will take place in 31-S-028 (up to 30 persons) or IT auditorium

Session Classification: Afternoon session

Contribution ID: 8

Type: **not specified**

What's new? GitLab AutoDevOps / CI-CD / Security features

Wednesday, 3 October 2018 15:30 (30 minutes)

Presenter: Mr TRZCIŃSKI, Kamil (GitLab)

Session Classification: Afternoon session

Contribution ID: 9

Type: **not specified**

Wrap up, Q&A / AMA (Ask me anything)

Wednesday, 3 October 2018 16:00 (30 minutes)

Session Classification: Afternoon session

Contribution ID: 10

Type: **not specified**

GitLab use at CERN: keeping the illusion of a monorepo

Wednesday, 3 October 2018 11:30 (10 minutes)

Overview on

- how we plan to migrate a huge SVN repository to GitLab (20+ MLOC, 1000+ products)
- how to keep the illusion of a monorepo among thousand of git repositories
- how to keep the code base coherent and clean
- how to administer thousand of projects
- how GitLab helps or does not help our use cases

Presenter: KOVARI, Zsolt (Ministere des affaires etrangeres et europeennes (FR))

Session Classification: Morning session

Contribution ID: **11**

Type: **not specified**

Antimatter Factory visit

Wednesday, 3 October 2018 13:00 (1 hour)

Session Classification: CERN facility visits for GitLab visitors

Contribution ID: 12

Type: **not specified**

CERN Computer Center visit

Wednesday, 3 October 2018 14:00 (30 minutes)

Session Classification: CERN facility visits for GitLab visitors