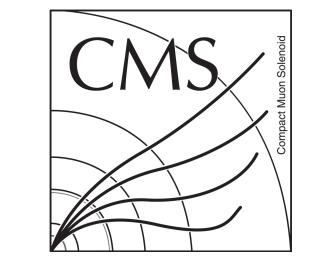
Gitlab CI exercise overview

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Material overview

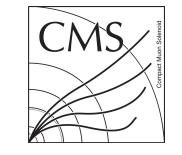


- Start with a short set of slides to introduce why CI/CD is useful and what one can do with it
- Main material (developed in CAT) https://awesome-workshop.github.io/gitlab-cms/

Setup	Make sure you're all set
1. Setting up an environment using CVMFS in GitLab CI (e.g. to run CMSSW)	Which GitLab runners are needed? What's different w.r.t. LXPLUS?
2. Compiling a CMSSW package	How can I compile my CMSSW package using GitLab CI? How do I add other CMSSW packages?
3. Obtaining a grid proxy	How can I obtain a grid proxy in GitLab?
4. CAT services for GitLab CI	How can I more easily access CMS resources in GitLab CI?
5. Running a CMSSW job	How can I run CMSSW in GitLab CI? How can avoid compiling my code for each job?
Finish	

- Previous facilitators noticed that the time can vary significantly (depends a lot on the prior experience of the students)
- Positive thing that this exercise is still very useful even if we do half of it

Logistics



- Facilitators: so far 1 (won't be based in Hamburg anymore), have ideas whom to ask at DESY, will be known ~ next week
- 10 GB area in Ixplus per user should be more than enough
- Would be good is users setup gitlab ssh keys in the pre-exercises https:// docs.gitlab.com/ci/jobs/ssh_keys/#create-and-use-an-ssh-key