



CI improvements

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Current setup

- One server, 48 cores
- One type of runner, 4 cores
 - not enough for build
 - too much for single-threaded tests
- We do not transfer data between stages
 - we didn't understand the gitlab ci cache in the beginning
 - have to re-compile in each job

Improvements

- Multi-stage setup
 - local cache on one server
 - Know how to do this
- Different runners
 - Many cores, few runners
 - compile, ctest
 - one (or few) cores, many runners
 - validation tests

Multiple servers

- Several servers
- kubernetes based runners
- Cache in S3
 - have server available locally
 - have to test with gitlab ci

Better CI

- Validation tests needed
- Decide when to run sets of validation
 - every commit
 - before / after merge
 - periodic
 - for release (outside CI?, resource requirements!)