

HC evolution

HC was designed considering different computing landscape

Since then computing systems of the experiments had evolved a lot and every of them currently represent a complete middleware solution which also includes job preparation/generation phase

HC became the core tool for scale and functional testing of the sites, but there is a desire to extend its role and functionality

We need to look in the future challenges. Among them:

- Scalability
- Sustainability
- New use-cases

Examples of some potential use-cases:

- Testing of scalability and performance of the new CRAB implementation in the multi-user environment
- Using HC for submission of the SAM tests on demand by site admin
- Running a rich set of different standard use cases with architecture specific binaries against sites to measure the efficiency. This requires to handle and track many use cases and requires an easy integration of test jobs into the HC system.

Time to assess different aspects of HC implementation and understand whether/where we can improve?