LHCC Review Preparation for DOMA

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LHCC Software and Computing review

LHC Experiments Committee (LHCC) needs to ensure preparations for HL-LHC are credible

May 2020 Initial review of ATLAS and CMS plans for common software and DOMA

Overall recommendations to address
1. specific tasks and their associated milestones for **quantifying the potential reductions**
2. **sites** expected to be at the core ... are **engaged and play an active role**
3. **tasks and targets** … placed onto a **timeline** … how they **relate to each other** and **relate to** milestones of broader **WLCG and HL-LHC projects**
4. **keep the effort** needed for the **software development** at the right level

November 2021 Next review phase with focus on "Common Software Activities"
Beyond CDRs, TDRs, …

November 2021 review

Our deliverable is a concise document (20-30 pages) by **October 1**

Draft ready by **end of June**

Four major projects as "Common Software Activities"
(1) **Rucio**, (2) **FTS**, (3) **storage interfaces** and **caching layers**, (4) **network** incl. monitoring and SDN

Two potential additions under discussion
(5) **CVMFS**, and (6) **Tokens**

Document organisation

Outline of the document

    Introductory sections on "Overall DOMA organisation, requirements, and current status"

    Specific common software activity sections

    Possibly a summary of any cross-cutting issues, such as token auth

    Summary section on "Plans and milestones"

Points to address per common software activity (~5 pages each)

    Description of the project

    Plans and timelines to deliver the agreed functionality and performance

    Project management, incl. priorities, progress, communication

    State of development teams, incl. gaps in skills or effort

    Risk assessment, incl. gaps in functionality and dependencies

Roles and actions

Roles

    Mario and Oliver will act as "chief editors"

    Editors for each of the Common Software Activities will be needed

Next steps before Easter

    Draft general structure of the document on Overleaf

    Identify and contact the people who will be in charge for each section

        The scope of "storage interfaces and caching layers" has to be resolved — will prepare proposal for this

    Contact the computing coordinators of the 4 experiments to identify critical points

Before end of June

    Main text from CSAs

    Intro text and conclusions

Subsequently

    Iteration and harmonisation with other (non-DOMA) review input