CompF4: Discussion of Scope and Mandate

Frank Wuerthwein
UCSD/SDSC
August 10\textsuperscript{th} 2020
Process

- The [web site](#) for CompF4 has scope and mandate of the group.
- We created a [google doc](#) for you to write down any comments and suggestions.
Scope and Mandate

- Functional areas
  - Provide access to data for large scale central workflows
  - Provide access to data for end user analysis
  - Access to Long term high latency storage (tape, etc.)
  - Access to Low latency storage (disk, ssd, nvme, …)
  - Access to CPU resources ➔ GRID, HPC, CLOUD
  - Access to Accelerator resources ➔ GRID, HPC, CLOUD
  - Access to Specialized AI Hardware (and/or other domain-specific architectures)
  - Interconnecting everything through Network

- Mandate
  - What are the workflows related to storing and accessing data of the stakeholders?
  - What different storage solutions/technologies are used, will be used?
  - What is the technology evolution of storage solutions/technologies? What R&D is needed?
  - What are the storage and access needs of the stakeholders?
  - What are the storage resource needs of the stakeholders?
  - What is the role of the network in these workflows?
  - How are the solutions used by the community embedded/derived from solutions from industry/other science domains
  - Recruit community members to represent the physicist/analysis perspective.

Only infrastructure is in scope
Applications and applications frameworks go elsewhere
Comments on Scope
Comments on Mandate
General Suggestions