



# Responses to the LCG (RTAG ) HEPCAL document

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## Outline

- ◆ EU Data Grid response to HEP CAL
- ◆ US Projects joint response
- ◆ EDG ATF response
- ◆ LCG project responses





## EU Response to HEPICAL

- ◆ Initial response made by Architecture Task Force (ATF) middleware reps (who represented WP-internal discussion results)
- ◆ JAT was editor – and made “earth to WP” comments when their responses were loosely constrained by reality
- ◆ In some cases, the ATF reps pointed out “holes” in HEPICAL which were addressed in this same document
- ◆ These clarifications **desperately** need folding back into HEPICAL!
- ◆ So it's three docs in one:
  - Middleware response to HEPICAL
  - Informed critique of “optimistic” responses
  - Clarifications of HEPICAL on issues raised by ATF people





## U S Response to H E P C A L

- ◆ I have much less inside info here than for previous doc
- ◆ At face value, a very different type of document; authors are middleware project PIs (Ian Foster, Mirion Livny) and computing coordinators, not in-the-trenches developers
- ◆ Unclear whether the response is realistic, or whether this has been checked
- ◆ Marcus Hardt was working on a "paper analysis" – I don't remember the results





## ATF Response to HEPICAL

- ◆ Use cases have been used as starting point for architecture analysis
- ◆ "Scientist" executes one of HEPICAL use cases
- ◆ Interactions are tracked through the system
- ◆ Helps define what the inter-service APIs "have to be" – "how did you know that?" asked a lot!
- ◆ Regularly (e.g., this past Wednesday) find "holes" in the architecture





Job Submission with "dynamic" DS access





## LCG Response to HEPICAL

- ◆ LCG people (e.g. **M arkus S chulz**) who are trying to put a production facility on the floor are finding “naivety” issues with HEPICAL
- ◆ There has never been a real round of interaction between HEPICAL people and practical types like production facility bosses
- ◆ LCG keeps asking for “performance requirements” – HEPICAL is not the right place but it makes an excellent starting point!
- ◆ This morning: **interactive analysis use cases**

