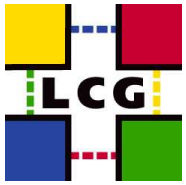
Responses to the LCG (RTAG) HEPCAL document

Jeff Templon

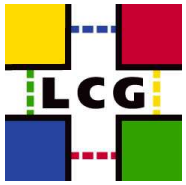
(EDG WP8 Loose Cannon, *NIKHEF*)

templon@nikhef.nl



Outline

- EU DataGrid response to HEPCAL
- US Projects joint response
- EDG ATF response
- LCG project responses

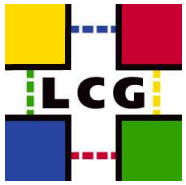


EU Response to HEPCAL

- 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 HEPCAL which were addressed in this same document
- These clarifications desperately need folding back into HEPCAL!
- So it's three docs in one:
  - Middleware response to HEPCAL
  - Informed critique of "optimistic" responses
  - Clarifications of HEPCAL on issues raised by ATF people

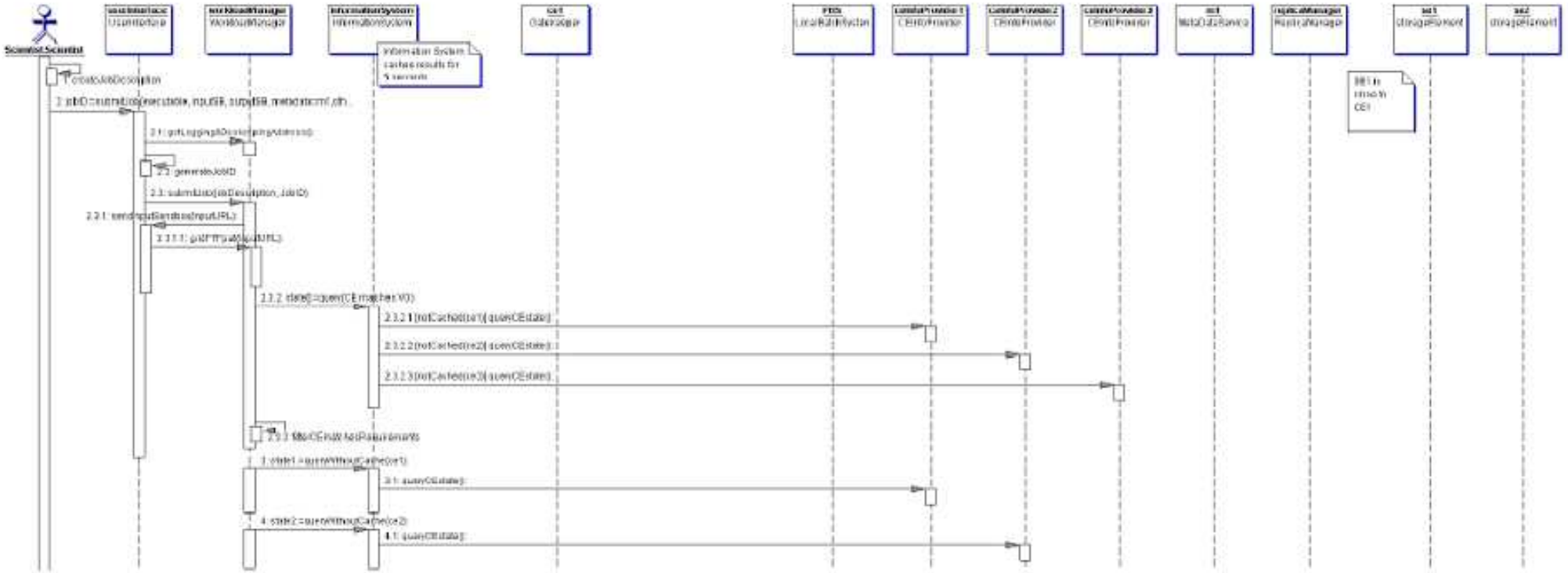
US Response to HEPCAL

- 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, Miron 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

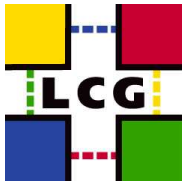


ATF Response to HEPCAL

- Use cases have been used as starting point for architecture analysis
- "Scientist" executes one of HEPCAL 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 HEPCAL

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