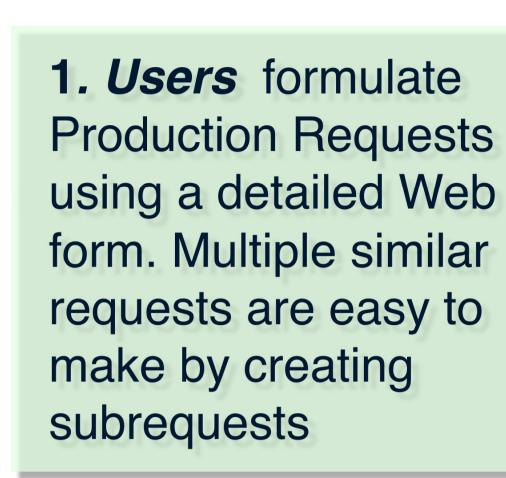
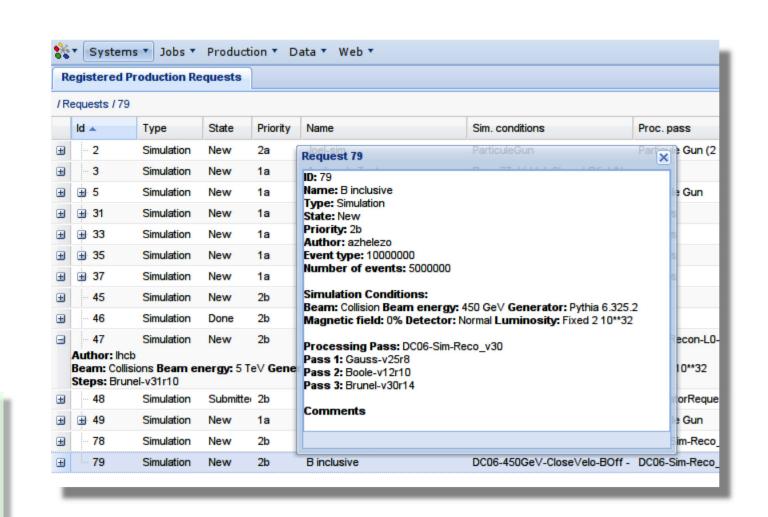


Managing Large Data Productions in LHCb





2. Physics Coordinator, Bookkeeping
Manager and Technical Experts
approve the formulated Production
Requests checking its technical validity
and physics appropriateness and using
the special Web Interface

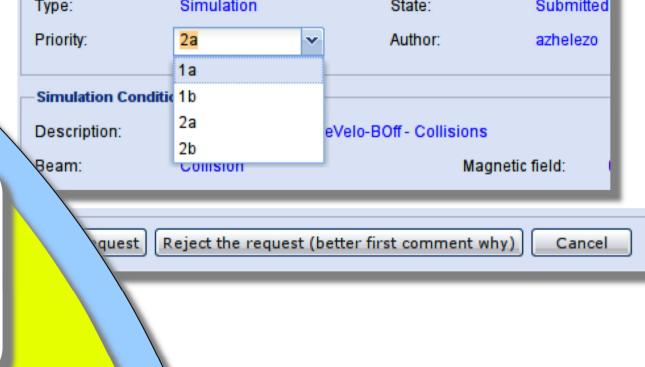
Name



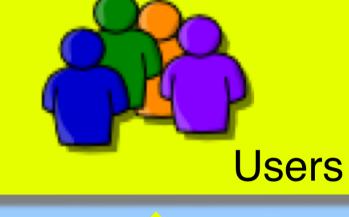
Users discussing and taking decisions of the data samples to be produced; Physics Group representative accumulate the requirements and fill Production Request form.

Request Approval

Production Request approved by a Physics Coordinator, Bookkeeping and Technical expert; they confirm the request validity and set priorities.



Registered Production Requests 📗 Edit request 79 🕑



Execution and Monitoring

Production
Management
System



Production manager creates corresponding Productions using Production Request and Production Template

5. Production Shifter

Follows the progress of the production request execution via of the Web Request Monitor

on the GRID; results are registered in the Bookkeeping; the progress is presented back to the users through the Request Monitoring interface.

Under shifter control, Production

Jobs are submitted to and executed

Production



Workflow by means of the Workflow Editor combining an arbitrary number of different

Name MCStandart3.2

Short description | Simulation 2 steps template

execution steps

---<Append step> Down

InputSandbo





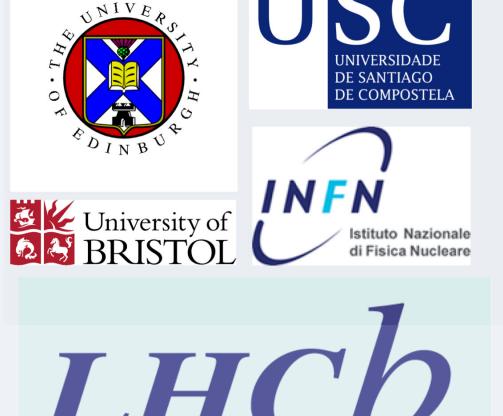


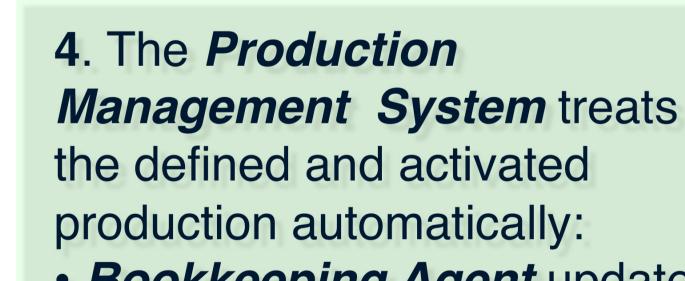




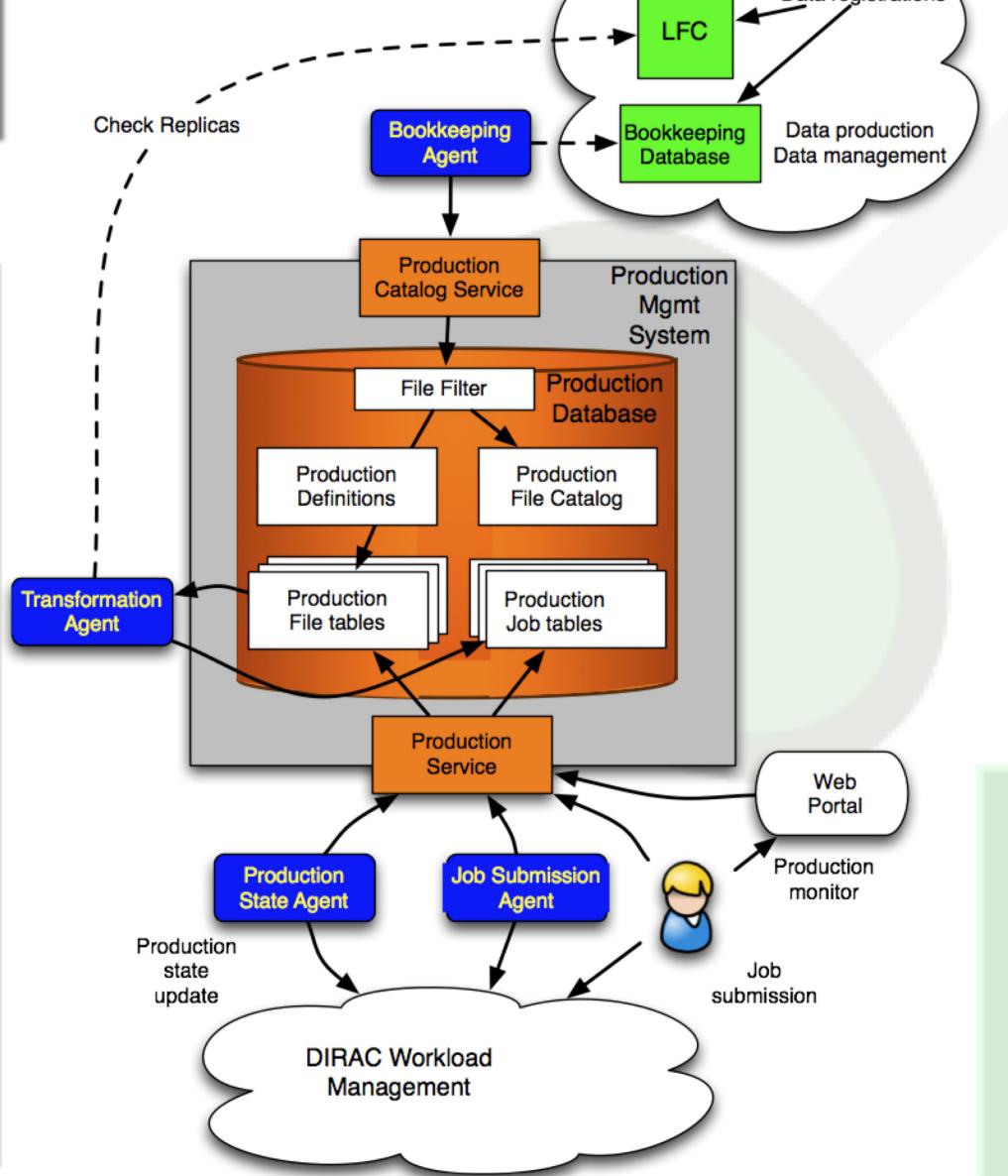


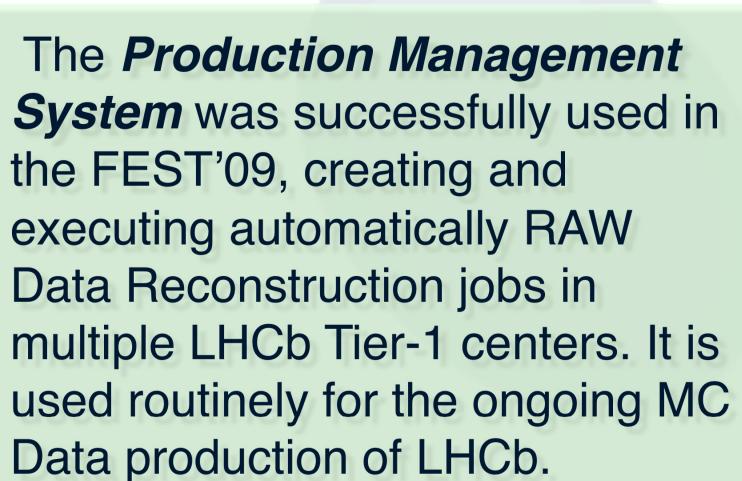






- Bookkeeping Agent update the Production Input Data from the Bookkeeping Metadata Database;
- Transformation Agent creates jobs;
- Production Job Agent submits jobs to DIRAC WMS
- Production State Agent updates the production progress information





LFN:/lhcb/applications/WorkflowLib-wkf-v6r3.tar.gz