Responsibilities

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Abstract

This document show the different responsibilities that have to be taken to have a fully working system

1 Production Manager

The Production Manager is in charge of producing data (duh!). That means running the different applications in the right order (duh! again) to produce a given amount of data. In details:

- create productions

- monitor the status of productions with the web page: report to sys admin (see later) when problems arise.

- run the DataRecoveryAgent (until it is actually installed as an Agent in the server): recovers failed jobs that don't have uploaded the expected files

- prepare the production summary: the table for the twiki page

- Run productions in the right order: when generation has produced at least 1 file, definme the SIM production, then REC.

- stop productions that are done (to gain time essentially as they are not considered by the different agents), complete those that are really finished (removes all jobs from WMS, cleans sandbox files (log files)), and clean the productions are are invalidated (removes all, even data)

Amount of time per day: 1-2 h

2 Data Manager

The data manager is responsible for the data (haha). He is in charge of the following:

- monitoring of available disk space at the different SEs (lcg-infosites is useful)
- replication of data where needed: can be done using Replication transformation
- Monitor the replicas: where is what?
- staging/unstaging data (REC files in particular)
- replicating the software and making sure it's available everywhere
- Testing daily the SE access, and report to sys admins if something is wrong
- providing statisitics of usage

Amount of time per day: 1-2h

3 System Administrator

The system administrator is responsible for:

- monitoring the status of the vobox: disk, mem, cpu usage (SLS sensors can be used)
- monitoring the status of the agents and services (logging to vobox mandatory)
- reporting to DIRAC devs the bugs found
- Reporting to ILCDIRAC devs the issues
- ordering new voboxes
- request new space tokens for storage
- interact with computing elements when problems arise
- Check global status of jobs: understand cause of failures in pilots and/or jobs
- Ban/unban sites
- Update DIRAC version to use when devs have done their work
- add new CE in the CS.

Amount of work per day: 2h (but can be much more)

4   ILCDIRAC developer

- Implement new functionality when users ask
- fix bugs
- test new DIRAC versions before putting them in production
- manage the repository
- tag new ILCDIRAC versions

Amount of time per day: depends on the problems found

5   Responsible for generator

This role implies the following:

- installing whizard and PYTHIA (once only)
- adding new processes in whizard: add, recompile, test
- upload to GRID and register in DIRAC
- Same for PYTHIA
- Prepare the grid files (result of whizard integration): run whizard on dedicated machine

Amount of time per day: 2-3 h.