Operations Portal Workplan

Regionalization Task force
March, 3ᵈ 2011

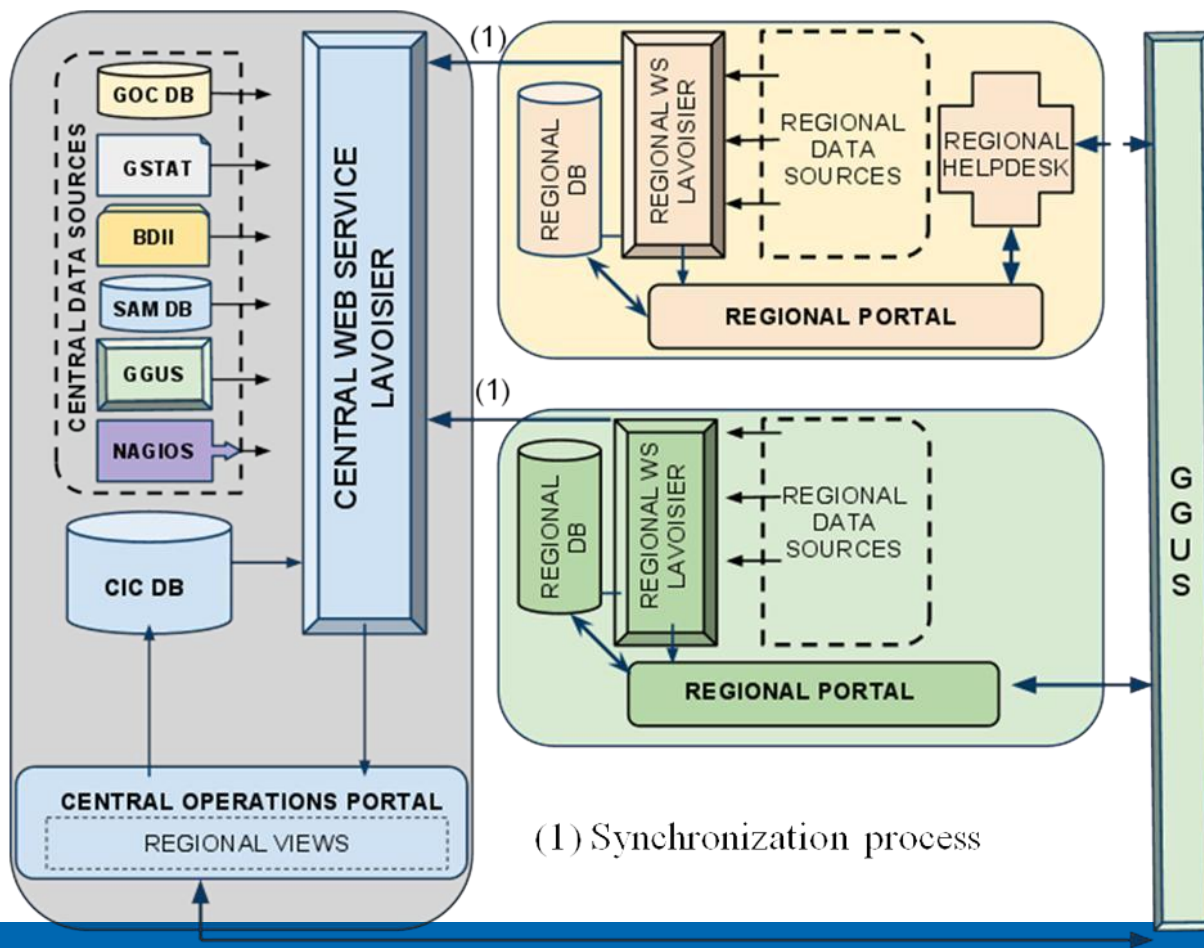C. L'Orphelin(CCIN2P3/CNRS)

e-infrastructure

Regional packages:

- For VO ID card this is not foreseen – this is/will stay a central feature
- Modules delivered : dashboard and broadcast with the scope limited to the NGI
- 4 regional portals in place : IBERGRID, GRNET, NGI_BY , NGI_CZ
- The instances are declared in GOC DB
- 3 releases in the last year (upgrade of the package every 2 releases of the central portal)

- The application is composed of :
  - a web service named Lavoisier configured to handle Nagios notifications, store and provide data cache from GOC DB, GGUS and to generate metrics reports about the use of the dashboard (alarms raised, tickets handled ...)
  - a PHP web application to provide a user interface.

- The regional instance is linked with the central instance of Lavoisier; and creation, update, delete of records are synchronized so as not to disrupt global oversight operations. The authoritative source of information is the regional instance and this instance will continue to work properly even if the central instance is down.
- Synchronisation is achieved through REST and SOAP and records are synchronized every 5 minutes by using php scripts.
- Any problem detected during the synchronisation is reported in a mail sent to webmasters.
- A validation procedure has been established to validate the regional instances when a given region expresses this need.
- All regions or NGIs are able at any time to change for either the central or the regional instance.

As you can see on the schema the architecture is exactly the same on a NGI and central instance. The distributed components are the same, just the configuration changes:

(1) Synchronization process