AGIS for CMS

Proposal (1)

- **To evaluate AGIS as a long term strategy for CMS for describing CMS topology (sites and services both SEs and CEs , but not limited to those)**
- Information required for the topology description and downtime information should be automatically updated from the primary information sources as OIM and GOCDB (collectors exist as a part of AGIS sw) and initially from other sources as Glideins Factory (gfactory) XML which includes information from all gfactories.

  UI is in place for the privileged users to modify information, all modifications are logged.

- The first prototype describing CMS services in AGIS is in place though requires validation:

 http://cms-info-system.cern.ch/agis/

Please, provide to Eddie DNs of people who should be allowed to perform changes in the CMS topology using AGIS UI

 Please start to play with it and provide your feedback

Proposal(2)

- We start to perform validation of the CMS-AGIS data.

- As a first step will create a new VO feed which is generated out of CMS-AGIS information and set up an automatic procedure which will compare it with data in the current VO feed

- Current VO feed should be modified in order to take into account changes required for the HTCondor CE

Proposal(3)

- The next step would be to generate gfactory configuration by the CMS AGIS instance.
- IT-SDC-MI will enable automatic validation with alarms , comparing two versions of gfactory configurations (the current one and the one generated by AGIS)
- As soon as this step of validation is successful, we ask CMS to perform validation of the new version with the test instance of Glideins factory (ITB)
- In parallel with validation we would like to ask people eligible to perform gfactory configuration changes, to perform them using AGIS interface. This way the CMS community would evaluate the new procedure of handling gfactory configuration (performing changes in AGIS first and then re-generating XML)
- After that we should be ready to switch to the gfactory configuration generated from the CMS AGIS instance and to perform all topology changes (logging, debugging, visualizing) using AGIS UI.

Proposal (4)

- The steps described above mainly cover the CE (queue) topology.
- We are discussing the SE-related part with the CMS data management team
- Tentative time line

    - To have VO feed generated from the CMS AGIS instance and validated by the end of March

    - Condor factory configuration generated from the CMS AGIS instance and validated by the end of April