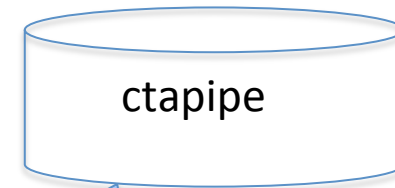
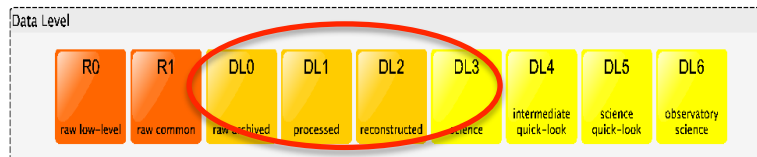




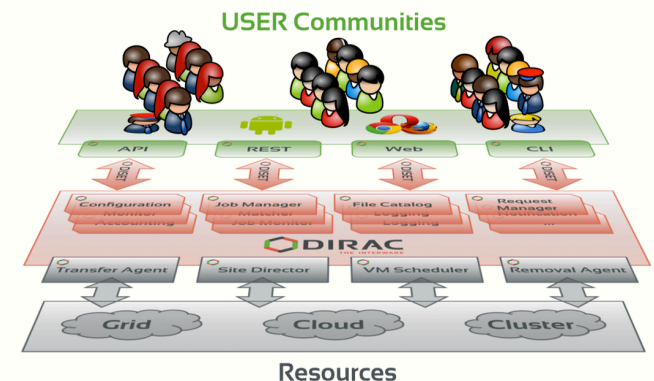
Provenance and CTADIRAC Context



- Instrument: CTA
- Objectives: **FAIR Data**
- Environment:
 - DL0-DL3 pipeline, which uses the tools of the ctape library (including the Provenance module which captures provenance information - K. Kosack, - CEA)



- CTADIRAC (Prototype based on DIRAC - L. Arrabito - LUPM) used for the management of distributed calculations on heterogeneous resources (grid, cloud, clusters)



- Project of this implementation: **Storage** of the provenance **inside** the use of CTADIRAC



Provenance and CTADIRAC Technology used



- Python
- ctapipe library
- DIRAC (Client/Server architecture)
- PostgreSQL database
- SQLAlchemy module

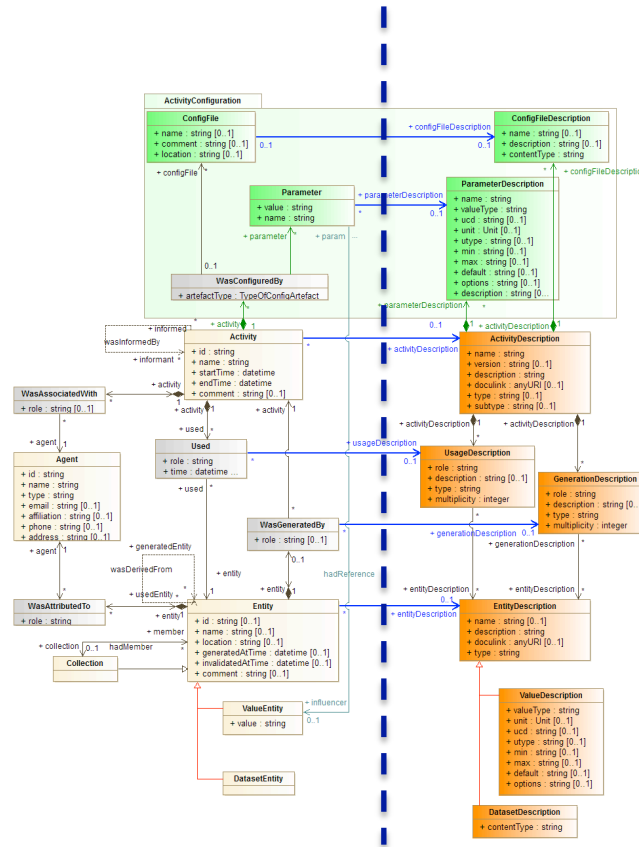


Provenance and CTADIRAC Results



The Provenance Data model contains different parts:

Information relative to each job



Descriptions relative to each type of job

