



ARGO Migration

Current Status

Current status

- **Production: (Operational since 1/1/2014)**
 - SAM Central installation at CNRS
 - Runs central gridmon, atp, poem and ace (mon.egi.eu)
 - SAM NGI installations at NGIs
 - Running NGI Nagios + MyEGI portals
- **Parallel installation: (Operational since 1/5/2014)**
 - ARGO at ~oceanos
 - {web, atp, poem}-egi.argo.grnet.gr

Timeplan

- **May:**
 - Registration of argo.egi.eu ✓
 - Certificates for mon.egi.eu and argo.egi.eu ✓
 - Validation of ARGO results against SAM-ACE results ✓
 - See next slides
 - Installation of a test central monitoring instance ✓
- **June:**
 - Last report distributed using ACE (June 3rd) ✓
 - Retire existing SAM central (June 15th End of Summer)
 - Decision for the monitoring engine(s)
- **July:**
 - Switch mon.egi.eu to the ARGO instance
 - Transparent switch for the NGIs
 - Monthly A/R reports available from ARGO

Validation of ARGO results against SAM-ACE results



- Validation performed by EGI.eu (Vincenzo Spinoso)
- Comparing sites and NGIs using MyEGI and summary XML/CSV available on <http://argo.egi.eu>
- Same comparison using http://argo.egi.eu/lavoisier/comparison_main
- Looking at March, April, May 2015 for 310 sites
 - 930 values

Validation of ARGO results against SAM-ACE results

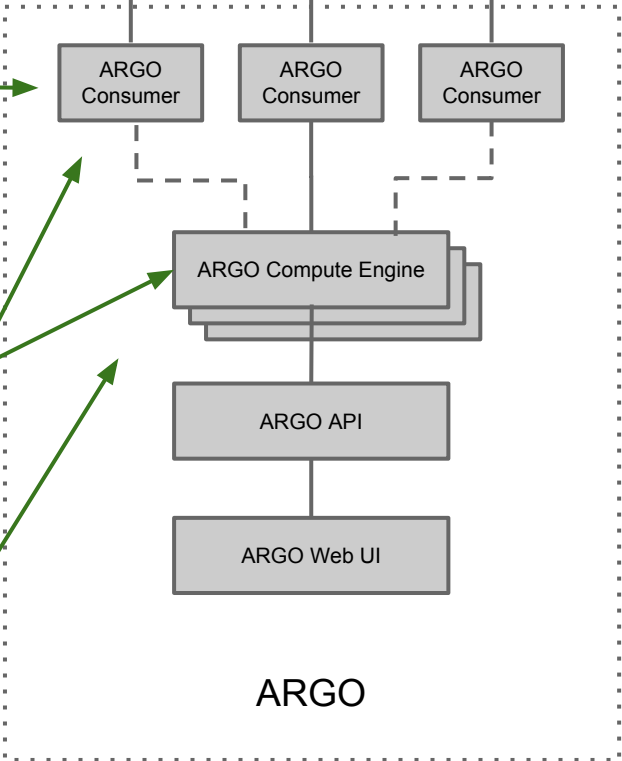


- Found an issue with the GOCDB connector during tests
 - GOCDB documentation implies that a scope of an object on GOCDB can be either EGI or local. **Some sites in AsiaPacific and AfricaROC have both scopes (EGI and local)!**
 - After a discussion with David Meredith, it seems that this is a valid case. GOCDB documentation will be updated
 - ARGO GOCDB connector has already been updated in devel

Validation of ARGO results against SAM-ACE results



- There are still very few Sites that have differences >5%
 - 14 in March, 4 in April, 0 in May
- These correspond to
 - <3% of sites exceed 5% difference in A/R in the last 3 months
 - <1% in last 2 months, and
 - *0% in the last month*
- Current differences are due to wrong values reported by MyEGI (so not due to ARGO)
 - E.g. problems with the ACE consumer (no fault tolerance), downtimes for SRMv2 are not taken into account etc)
 - Wrong values in ACE are not recoverable
- **ARGO and MyEGI/ACE are consistent, but ARGO has more reliable results**

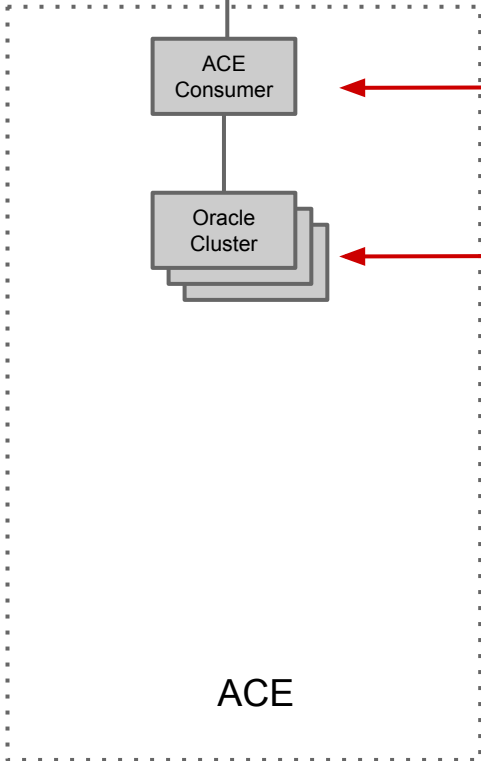


Fault tolerance

Modular flexible implementation. Logic is implemented in python and java classes.

(re)computations in parallel and on demand

ARGO



No Fault tolerance

No flexibility
Logic hard coded in the database

ACE