

## OpenStack @ FedCloud

Some topics for discussion...

- OCCI-OS provides OCCI support to OpenStack nova
- Development started by Intel
  - maintenance by FedCloud members
  - some effort allocated in ENGAGE
- Latest update
  - support for attaching block storage on VM creation
  - removed the registry

- Need someone to take clear ownership of the code (CSIC?)
- Next developments (EGI-ENGAGE):
  - snapshots, VM resize, VM migration
- Other issues:
  - testing is awful
  - networking needs complete review
  - OCCI 1.2

- No major development expected in the short term
- Branches
  - LCMAPS/pool accounts
  - Subproxy accounts
- Need to check v3 of the API

- Integrated with the rest of providers
- Generates information ready to be fetched by a site-BDII
- Latest changes allow to publish info from multiple OpenStack deployments in the same BDII
- Working without major issues so far

- New accounting probe for OpenStack
- Developed from scratch and supporting pluggable sources of info (nova/ceilometer) and output (apel/logstash)
- Now available for everyone to use it
  - <https://github.com/IFCA/caso>
- Please test and let us know if you have any problems

- <https://github.com/alvarolopez/atrope>
- vmcatcher/hooks alternative used at production at IFCA
- Subscribe to HEPIX lists and dispatch images to glance
- Easy to extend (new image lists or dispatchers)
- Issues:
  - missing good testing & documentation
  - fields of lists?
  - image conversion (should that be done at nova-compute?)

# nova in FedCloud?

- FedCloud is opening the possibility of getting new interfaces as officially integrated in EGI
- Should we support nova?
- Main missing piece: monitoring probe
- Anyone interested in following the procedure?



- No FedCloud development in the area so far
- Storage Accounting?
  - caso should be easy to extend
- Who's offering CDMI?
- Who's willing to support CDMI development?