EGI-EUDAT ICOS Meeting (2017-12-13)

https://indico.egi.eu/indico/category/165/

Agenda

- Report B2STAGE HTTP API tests
- Title and abstract EUDAT2018 conference Porto
- Demo IaaS orchestration on EGI FedCloud (Enol)
- Input Deliverable 7.4
- Stepbystep guide (postponed)
- Status update
- Open actions

Present

Michaela Barth
Matthew Viljoen
Christian Pagé
Ute Karstens
Maggie Hellström
André Bjärby
Enol Fernández
Xavier Pivan
Peter Gille

Apologies

Jens Jensen

Information

- Matthew WP 4 (Federated services) leader within EOSC-Hub
- https://eudat.eu/eudat-conference-2018-registration-form Registration free for speakers
  - Short Welcome and Overview (Michaela Barth) 10 mins
  - EGI OneData demo (Matthew Viljoen) 15 mins
  - ICOS use case demo (Margareta Hellström) 30 min
  - ENES use case demo (Xavier Pivan) 30min
- Orchestration as part of IaaS Federated Access Tools allowing for easier moving of applications from different providers
  - all using proprietary language to describe the infrastructure, TOSCA is the standard working for better support of that in all tools
  - generally all tools well documented and feature-wise similar

- - IM can be used on very bare VMs, can deploy the same infrastructure on public Clouds with only minor changes, wide range of providers supported, configuration done with Ansible, used in production within EGI
    - Terraform used in the commercial world, works well with e.g. Amazon Cloud, not only IaaS also PaaS (e.g. Heroku), will give a preview of execution plan before actual submit, but configurations not easily portable.
    - Occopus supporting many cloud providers! Can also specify monitoring with error detection and recovery. Scaling can be triggered.
    - Plan for official EGI instance of IM: currently under discussion, wiki includes information on how to access current instance
- B2STAGE install status: test instance successfully installed (just using Docker, small iRODS capacity), but production state connecting to outside iRODS gives still errors.
    - Contact to the developers needed, e.g. chat or file issue on gitHub
    - Peter officially on vacation from tomorrow

- https://docs.google.com/document/d/1frk82pg2SrjUjut5NTO9j8TyoLvk6pnzkCi7XHpFbLM/edit Deliverable D7.4. Status: Executive Summary, Introduction, Selection of use cases and Work format and Dissemination chapters complete
    - Michaela will close document for editing on Monday and then transfer to docx and send to review on 20th.
- ICOS decided to no longer test OneData,
    - Setup with some large files works nicely
    - still problems with small files for Ute (worked for developers?). stops at some time and EGI DataHub not responding any more
    - CYFRONET needing more infrastructure setup (Docker configuration, ..) info to replicate?, they could test directly on the same VMs
- OneData not needed to solve ICOS use case problem, input data is copied once to VMs (introducing overhead of copying data, though, but could also mount any network system), output is very small
- Regarding EGI Pay for Use information, this model is new to EGI but some information is available here: https://wiki.egi.eu/wiki/VT_EGI_Pay-for-Use_PoC and https://wiki.egi.eu/wiki/EGI_Pay-for-Use_PoC:Service/Price_Overview. Sy Holsinger is the best person to talk to about this - we'll see if he can attend the next ICOS EGI/EUDAT meeting. There are no examples for architectures yet, no SLA's in use for using the resources on a pay for use basis.

Open Actions

- AP Ute, Xavier and EPOS: fill out AARC questionnaire once it is out. Michaela is in contact with the person doing this, it is still not sent out. Michaela should chase this up.
- Bartosz: Debug the problems of small files, and get the tar from Ute to try to replicate the problem locally.
- Matthew: Invite Enol to the next meeting to present different orchestration technologies (done)
- Matthew: Provide information of potential costings (CPUs, short-term storage) plus if possible examples of architecture of other projects to help with the future ICOS funding cycle

- Peter: Setup new testing instances of B2SAFE and B2STAGE and announce when this is done.
- Maggie, Matthew check abstracts today
- Peter contact developers with B2STAGE iRODS production state problems
- AP Matthew: Tell Gergely to look at EPOS chapters
- AP Xavier go through ENES section in pilot study chapter this afternoon
- AP ICOS to go to complete parts now and check Requirements, Challenges and Solutions on Friday
- AP Ute to send scripts and configuration details to CYFRONET to reproduce the persisting part of the small file problem
- AP Matthew invite Pay for use expert to next meeting on January 17th

AOB

Next ICOS meeting: Wednesday 10:00 CET, January 17th (check with Ute)