

EGI-EUDAT ICOS Meeting (2018-01-17)

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

Agenda

- Status Deliverable 7.4
- Status preparations EUDAT2018 conference Porto
- Pay for use in depths (Sy Holsinger)
- Status update
- B2STAGE HTTP API tests
- Open actions

Present

Michaela Barth
Xavier Pivan
Baptiste Grenier
Sy Holsinger
Christian Pagé
Ute Karstens
Maggie Hellström
André Bjärby
Peter Gille
Matthew Viljoen

Apologies

Hans van Piggelen

Information

- Deliverable 7.4 now under review. Submitted result see attached to agenda. Shaun de Witt & Luca Trani are the internal reviewers. Expected handover of the internal reviews is 26th of January.
- EUDAT 2018 preparations: <https://eudat.eu/eudat-egi> EGI-EUDAT session will be part of "Cross e-Infrastructure Collaboration" track on Wednesday. Our slot is after the morning coffee break and before lunch 11:00 - 12:30
 - 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
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 - Everyone registered? Registration open until tomorrow
 - No remote connection, Room Braganca 50 people theatre style
 - Matthew and Michaela as "rapporteur"s
 - Test demos at home with bad network? Maggie will prepare videofile as backup
- sy.holsinger@egi.eu EGI Pay-For-Use Brief Summary
 - implementing the EGI marketplace for the whole management cycle

- right now standard wiki page with basic pricing information
- all offers can be negotiated based on terms of use, expected timeframe, etc...
- no money exchanging hands, resource providers get money from funding agencies as do user communities, services provided “for free” to users
 - increase awareness of economic value for delivered services
 - “virtual bill”
 - Incentives of current resource providers EGI is split between 30-50 countries, have all their own mandates with own national strategies: monetary incentive to serve also other communities not covered by this national interests
 - Shift in funding usage: Capital expenditure: building up the infrastructure -> manpower (people)
- taking care not to violate national competition laws
- accounting tools must be available
- <http://wiki.egi.eu/wiki/Pay-for-use>
- Pay-for-use: 30 providers involved, with 7 having signed a Letter of Intent, 2 financial transactions completed, 3 in process
- gap between IaaS and end-customers: EGI as broker function or just as a backend
 - NextGEOSS 10 pilots next generation hub for Earth Observation, 3 year EC H2020 project (2017-2020) with EGI acting as broker
 - IBM research: mediation point: just linking business case with PNCF
- time spent on front-end tool that has been decided not to be used after all
- There will be another tool connected to the backend: a client area after the “purchase”: SLA, monitoring, etc...
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- Researchers: Uncertainty of portfolio of offered resources and what is really needed
- More transparency on ongoing projects desired
- tight schedule for research projects: 2-3 years
- Deployed the latest version of STILT on frontend and backend so it now works with a cluster of machines, still working with a local cluster, but next step will be to use virtual machines at EGI alongside local cluster, next step after that will be on demand provisioning of these resources.
- ICOS would like to learn from ENES on jOCCI:
 - https://github.com/EUDAT-GEF/GEF/tree/master/services/_internal/maven-EGI Automation of virtual machine on jOCCI: allow to start and deploy Docker container that includes everything needed to deploy the virtual machine.
 - not up2date, still requires password, Xavier’s current version doesn’t need password, next version credentials should be entered into GEF UI. JSON File includes config info for virtual machine, Xavier could provide an example of such an input file.
 - <https://github.com/xpivan/ENES-GEF-demo/tree/master/egiserver>
 - fingerprint to access VMs needs asynchronous scripts
 - execute workflow: generate EGI resources, then create SCP certificate and distribute, then restart Docker service on EGI to run on the right IP: will allow to run anything from your local host
 - then start GEF and bind it to VM

- Future: add this to the GEF API
- No updates on B2STAGE tests since before Christmas: Ute can get access to demo instance, if she wants. -> yes.
 - Automation needs to have certificates available
 - Metadata: ICOS adding second file
- VM OPS Dashboard can also be used to deploy virtual machine via ssh key or bash script-> not tested yet by Ute. No API yet, but in work. Interaction with database can be done via REST API. Backend service manages the deployment
 - <https://dashboard.appdb.egi.eu/vmops>
 - REST API to access AppDB Information System
 - <http://is.marie.hellasgrid.gr/> (new API might be still in development)
 - Old/previous API documentation:
 - https://wiki.egi.eu/wiki/TNA3.4_AppDB_REST_API_v0.1
 - Some shell scripts able to check the AppDB Information System and launch VMs, could be use as example: <https://github.com/EGI-Foundation/sscmon-occi>

Open Actions

- Baptiste to clarify status of VM OPS API
- 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.-> part has been refactored, release is expected in the coming months, needs careful validation
- 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 (done)
- Peter: Setup new testing instances of B2SAFE and B2STAGE and announce when this is done.
- Peter contact developers with B2STAGE iRODS production state problems -> still needs to reproduce the error
- AP Ute to send scripts and configuration details to CYFRONET to reproduce the persisting part of the small file problem (done)
- AP Matthew invite Pay for use expert to next meeting on January 17th (done)

AOB

Next ICOS meeting: Wednesday 7th of February 10:00 CET

Next ENES meeting: Wednesday 7th of February 11:00 CET