



Meeting:	Task Force Federated Clouds
Date and Time:	Tuesday 13 Dec 2011 - 11:00-12:00 CET
Venue:	Conference Call via HiDef
Agenda:	https://www.egi.eu/indico/event/596

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Participants

- Alison Packer, STFC
- Alvaro Simon, CESGA
- Bjorn Hagemeyer, FZJ
- Emir Imamagic, ???
- Ivan Diaz, CESGA
- Kenny Stuart, TCD
- Daniele Lezzi, Venus-C
- Shabaz Memon, FZJ
- Marco Verlato, WeNMR
- Mathieu Puel, IN2P3
- Matteo Turilli, OerC
- Michel Drescher, EGI.eu
- Michel Jouvin GRIF
- Peter Solagna, EGI.eu
- Zeeshan Ali Shah, KTH



Apologies

- Domenico Vicinanza, DANTE
- Machiel Jansen, SARA
- Kostas Koumantaros, EGI-InSPIRE SA2
- Piotr Kasprzak, GWDG
- David Wallom, OerC
- Elisabetta Ronchieri, IGI
- Steve Brewer, EGI.eu
- Ian Collier, STFC

Agenda approval

Approved.

Minutes from the previous meetings approval

17 January 2012:

<https://www.egi.eu/indico/event/756>

not available yet

24 January 2012:

<https://www.egi.eu/indico/event/757>

meeting was cancelled on short notice, no minutes

Actions review

Please note that the actions are now managed with the help of the to-dos lists at the following Basecamp website: <https://oerc.basecamphq.com/>.

Agenda

Matteo stresses that the last weeks nothing has happened, particularly for the blueprint. The deadline is approaching, and workgroup leaders are required to ramp up activities again.

Report Scenarios

Scenario 1

The Blueprint part of the scenario is completed, and everyone is invited to review it. The remaining action is to formally ensure that OCCI 1.1 compatibility is maintained (see Scenario 1 workbench).



Scenario 2

Report:

During the discussion of action item 07/10 call participants discussed various options around other scenarios while open source implementations of CDMI will be available. Daniele Lezzi suggested making use of the Venus-C implementation of the CDMI interface, or the complete Venus-C stack (effectively re-offering Venus-C as a Technology Provider). **See Action 02/18.**

The structure of the Blueprint part has been set up, following the structure of Scenario 1. Other scenario work leaders are invited to do the same.

Scenario 3

Skipped as work leader D. Wallom sent his apologies for today's call.

Scenario 4

Report:

Alison received URs and information from a number of Resource Providers (STFC, CYFRONET, CESNET, CESGA, and FZJ).

Next steps are to collate that information, and produce a finalised accounting record. Once done this will be documented on the TF Wiki.

Also, an initial plan on how to actually receive accounting records from resource providers was circulated to Matteo, but needs to be published on the Wiki, too.

A developer at STFC will modify some code that will allow participating sites to send accounting records to STFC by next week.

Discussion:

The group is discussing how accounting records are generated, and by whom and where. Alison proposes that each Resource Provider will send STFC messages containing accounting records in a format specified in the Wiki space for Scenario 4 (based on the OGF UR) via the EGI Messaging network, which will then store them in a MySQL database. For this STFC has some software available already developed for EGI. Some rudimentary web page will be designed to show those records to the sites that have provided them.

The group further discusses how the data will be aggregated (i.e. along which aggregation dimensions, such as time, user/VO, Server/site/NGI, etc.)

The Resource Providers wonder who will provide them with the necessary software to generate the accounting records. The discussion described the Resource Providers as clients of the accounting infrastructure, and in that capacity they are in obligated to generate the accounting records. Michel Drescher states that Resource Providers using the same stack should look into sharing the effort of integrating with the described accounting infrastructure.

Further Michel Drescher suggests to send accounting records on the lowest possible granularity so that the offered aggregation and reporting levels can be decided later.

Michel Jouvin states that Technology Providers should provide such software for Resource Providers to deploy and use. Matteo agrees for the long term, envisioning the VM accounting records being



standardised at some point in the future. Then Technology Providers (i.e. the developers of OpenNebula, OpenStack, etc) can provide such information directly and natively. For now, however, we are in a pioneering situation, and should have a quick and dirty solution that can evolve into a much more stable situation.

Matteo is looking for someone from the OpenNebula scene who can help Alison on designing the scripts to extract usage records. Daniele Lezzi states that VENUS-C features an accounting service integrated with OpenNebula. Daniele Lezzi and Alison agree to work together on a plan for accounting records, and a client (by parsing OpenNebula logs) that will generate and send accounting records to STFC. See **Action 03/18**.

Scenario 5

Report:

Three service endpoints are available that implement OCCI (CESGA, GWDG, CESNET). 11 Resource Providers didn't provide any information. The probe is currently being developed and tested with the endpoints available at CESGA.

Discussion:

Emir agreed to coordinate the access setup for the monitoring service that collects the monitoring results. See **Action 04/18**.

Scenario 6

Report:

Peter Solagna reports that StratusLab will publish a new version of their stack with notification enabled. With that a testbed will be setup that integrates with the already existing EGI Messaging network. Tests are expected to take place a week after the actual endpoints are made available.

The Blueprint structure is being drafted in the Workbench Wiki and needs to be moved to the Blueprint. Perhaps this week some initial content may be provided.

Scenario 7

Report:

Bjoern reports that enough information is available, and needs to be collated in the Wiki. Matteo reminds the participants that an actual set of implementations and/or integrations should be available, or at least described.

Discussion:

FZJ and OerC agree that a test installation of OpenStack Keystone has failed on OpenSuSE and Ubuntu. The architecture perhaps has to consider an identity broker service that is mapping some federated id onto local authentication infrastructure, to get this progressing.

Scenario 8

Report:

Michel reports that all relevant information has already been given during Action Item review.



The next steps are to bring Resource Providers and VM providers (for the lack of a better description) together and to together develop criteria and services that help Resource Providers establish trust in externally provisioned Virtual Machines.

Full lifecycle for VMs

Not discussed.

AOB

Matteo assigns explicit actions on all Workgroup leaders to push for progress on the respective work (see **Action 05/18, 06/18, 07/18, 08/18, 09/18, 10/18, 11/18 and 12/18**).

Minutes prepared by Michel Drescher.

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