Meeting:	Task Force Federated Clouds
Date and Time:	Tuesday 1 Nov 2011 - 11:00-12:00 CET
Venue:	Conference Call via HiDef
Agenda:	https://www.egi.eu/indico/event/590

Participants

1. Alison Packer, STFC   (APa)
2. Emir Imamagic, InSPIRE JRA1   (EIm)
3. Giacinto Donvito, IGI,   (GDo)
4. Matteo Turilli, Oerc   (MTu)
5. Micheal Higgins, CloudSigma   (MHi)
6. Michel Drescher, EGI.eu   (MDr)
7. Miroslav Ruda, CESNET   (MRu)
8. Peter Solagna, EGI.eu   (PSo)
9. Piotr Kasprzak, GWDG   (PKa)
10. Stuart Kenny, TCD   (SKe)

Apologies

1. Alexander Papaspyrou, OGF DCIFed
2. Bjoern Hagemeier, FZJ
3. Domenico Vicinanza, DANTE
4. Floris Sluiter, SARA
5. Marco Verlato, WeNMR
6. Philip Wieder, GWDG
7. Tomasz Szepieniec, CYFRONET
8. Zeeshan Ali Shah, KTH

AGENDA BASHING

There were no changes to the proposed agenda.

MINUTES OF THE PREVIOUS MEETING

The minutes of the previous meeting (25 October 2011) are publically available in MS Word and Adobe PDF format, and are accessible at: https://www.egi.eu/indico/event/589.

The minutes were accepted without changes.

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/.

ID	Resp.	Description	Status
08/02	FSl/MBo	Fill in the inventory matrix (SARA) provided through Action 03/02 *27 Sep 2011: No progress* *04 Oct 2011: No progress, but was promised offline for this week.* *11 Oct 2011: No progress; Matteo to follow-up (**Action 01/05**)* *18 Oct 2011: No progress* *25 Oct 2011: No progress* *1 Nov 2011: No progress*	OPEN
02/03	GSi/SBr	Provide an introduction on the WIKI about the stakeholders, actors and terminology used in this Task Force *04 Oct 2011: No progress* *11 Oct 2011: No progress* *18 Oct 2011: No progress* *25 Oct 2011: No progress; SB adds his responsibility to contribute but requires the review of TF members before publication on the Wiki.* *1 Nov 2011: No progress*	OPEN
03/03	MDr	Provide an overview of the six scenarios in the Wiki including Scenario leaders and scenario complexity. *04 Oct 2011: No progress* *11 Oct 2011: No progress*	OPEN

		18 Oct 2011: No progress	
		25 Oct 2011: No progress	
		1 Nov 2011: No progress	
01/04	MTu	Contact umbrella activities mentioned in Action 11/01 and negotiate participation in the Task Force	OPEN
		11 Oct 2011: On-going, no results yet	
		18 Oct 2011: On-going, no results yet	
		25 Oct 2011: Activities were contacted, but no answers yet.	
		1 Nov 2011: No progress	
01/05	MTu	Follow-up with SARA to fill in the inventory matrix	OPEN
		18 Oct 2011: Mail sent; no answer	
		25 Oct 2011: In progress, SARA didn't fill in the inventory yet.	
		1 Nov 2011: No update on SARA activity, keep open.	
02/05	MTu	Record Eucalyptus stability and coverage issues in the blueprint.	OPEN
		18 Oct 2011: No progress	
		25 Oct 2011: No progress	
		1 Nov 2011: No progress	
03/05	DOC	Report about the issues about policy and non-technical issues that do not allow TCD to make user accounts available to users.	OPEN
		18 Oct 2011: No progress	
		25 Oct 2011: No progress	
		1 Nov 2011: No progress	
04/05	ZAS	Document the issues around IPv4 and IPv6 in the Wiki	OPEN
		18 Oct 2011: No progress	
		25 Oct 2011: Documentation is in internal review with experts	
		1 Nov 2011: No progress	
05/05	CLo	Evaluate and document StratusLab status for IPv6 support	OPEN
		18 Oct 2011: No progress	
		25 Oct 2011: No progress	
		1 Nov 2011: No progress	
06/05	DCe	Evaluate and document EGI-InSPIRE JRA1 status for IPv6 support	~~OPEN~~ CLOSED

		18 Oct 2011: No progress	
		25 Oct 2011: In progress	
		1 Nov 2011: Done	
03/06	MHi	Merge the circulated spreadsheet into the wiki website.	~~OPEN~~
		25 Oct 2011: No progress	CLOSED
		1 Nov 2011: Done	
01/07	MDr	Develop roadmap for X.509-based federated identity for Cloud infrastructure access.	~~NEW~~ OPEN
		Document issues around using X.509 based AuthN for Cloud infrastructure access. Include suggestions for mitigation for user communities.	
		1 Nov 2011: No progress	
02/07	MDr	Provide links to the EGI Trust Anchor repository.	NEW
		1 Nov 2011: No progress	
03/07	MHi	Document issues around using X.509 based AuthN for Cloud infrastructure access. Include suggestions for mitigation for user communities.	~~NEW~~ CLOSED
		1 Nov 2011: Transferred to Michel Drescher and merged in 01/07	
04/07	MVe	Remind WeNMR users to enroll ASAP with CloudSigma	~~NEW~~ OPEN
		1 Nov 2011: No progress	
05/07	MVe	Remind WeNMR users to enroll ASAP with Cyfronet	~~NEW~~ OPEN
		1 Nov 2011: No progress	
06/07	MVe	Ensure that users actually use the KTH Cloud	~~NEW~~ OPEN
		1 Nov 2011: No progress	
07/07	GDo/PVe	Update the resource inventory Wiki for INFN as Resource Provider	~~NEW~~ OPEN
		1 Nov 2011: Problems with setting up the test bed & network setup	
08/07	ZAS/MHi	Compare JCloud and OCCI, and document the gap analysis for a submission to OGF's OCCI WG for further consideration and standardisation.	~~NEW~~ OPEN
		1 Nov 2011: Matrix of features is in development, capturing the input from the ML and other sources. Will need some more time to finish.	
09/07	SBr/UCST	Start a user community orientated Wiki to start capturing specific requirements related to the six scenarios	~~NEW~~ OPEN
		1 Nov 2011: No progress	

10/07	MDr	Start rearranging the Wiki so that it better suit the capturing and digesting requirements, both from provider and user community point of views. *1 Nov 2011: Some progress without being visible yet. MHi suggests a "links of links" approach, similar to a Table of Contents.*	~~NEW~~ OPEN
11/07	MDr	Start collecting information as input and contribution to the Information System workshop. *1 Nov 2011: No progress*	~~NEW~~ OPEN

ITEMS OF BUSINESS

X.509 based AAI roadmap

A deadline for implementing X.509 based AuthN & AuthZ is required. The already existing EGI repository for trusted CAs (http://repository.egi.eu/category/production/cas/) will be used.

CloudSigma needs an architecture or reference implementation (see **Action 01/08**), Oerc will use only what OpenStack will provide for X.509 (see **Action 02/08**). PKa states that for OpenNebula based systems, the front-end (i.e. Web access) supports X.509, but the backend is not known (see **Action 03/08**). CESNET already supports X.509 on the backend, but it's not perfectly stable: mixing usernames and certs in the same installation might be tricky.

IGI's WNoDeS testbed is X.509-ready by using Grid components and job submission via CREAM.

VO support (User Communities): VOMS?

Oerc users need VO-like functionality, i.e. group based access control and accounting. CESNET has the same requirements; MRu states that OpenNebula supports this in a skeleton (see **Action 04/08**).

GWDG and INFN have no plans on making use of such a feature except for existing VOMS integration with CREAM CE.

CloudSigma supports plain accounts based on username/password; no federation in place. Often used as a generic account, customers use this as the only identity to access CloudSigma's cloud, and apply customer-internal accounting if required (similar to robot certificates used in current Grid communities). CloudSigma is interested in such functionality with federation. CloudSigma requires a technical architecture to be able to proceed.

MDr mentions that VOMS may be a suitable piece of software for integration into the federated AAI architecture.

Authorisation infrastructure (Providers): Argus? Other?

This topic has been covered by previous discussions.

Scenario 1

The group discusses the convergence on a minimum interface for the Cloud Federation. MDr suggests using OCCI as the common uniform interface for the EGI Cloud federation. MHi mentions that he understands that OCCI is a proposed standard only, and is missing reference implementations. MDr states that to his knowledge OCCI is already a full OGF recommendation, with reference client and service implementations available. The participants further discuss the implementation coverage of OCCI. Several OCCI client libraries for Ruby and Python are mentioned. MHi reinforces that a technical architecture is required to proceed.

PKa mentions that GWDG develops an OCCI 1.1 binding for OpenNebula (stable prototype); also a GUI client for OCCI will be developed in Java by GWDG. The group continues discussing OCCI interface coverage and quality of OpenNebula and OpenStack.

MHi starts a discussion around Cloud provider service catalogues, and how these are going to be mapped into OCCI.

AOB

Due to the extensive discussion of the interface discussions for Scenario 1, the meeting concluded without discussing any other issues.

ACTIONS

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		1 Nov 2011: *No progress*	
04/07	MVe	Remind WeNMR users to enroll ASAP with CloudSigma	~~NEW~~ PEN
		1 Nov 2011: *No progress*	
05/07	MVe	Remind WeNMR users to enroll ASAP with Cyfronet	~~NEW~~

		1 Nov 2011: No progress	OPEN
06/07	MVe	Ensure that users actually use the KTH Cloud	~~NEW~~
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11/07	MDr	Start collecting information as input and contribution to the Information System workshop.	~~NEW~~ OPEN
		1 Nov 2011: No progress	
01/08	MDr	Architecture diagram(s) for X.509 based AAI	NEW
02/08	MTu	Confirm OpenStack support for X.509	NEW
03/08	PKa	Confirm that the OpenNebula Backend (i.e. API) supports X.509 based AAI	NEW
04/08	MRu	Provide technical detail for OpenNebula's VO-like functionality	NEW

Minutes prepared by   Michel Drescher, 6 September 2011

Minutes Approved   Task Force Chair Matteo Turilli

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