



Meeting:	Task Force Federated Clouds
Date and Time:	Tuesday 27 Sep 2011 - 11:00-12:00 CET
Venue:	Conference Call via HiDef
Agenda:	https://www.egi.eu/indico/event/585

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Participants

Name and Surname	Abbr.	Representing	Function
Matteo Turilli	MT	Oxford University	Task Force Chair
Peter Solagna	PS	EGL.eu	Operations Officer
Gergely Sipos	GS	EGL.eu	User Community Support Team
Michel Drescher	MD	EGL.eu	Technology Manager
Miroslav Luda	ML	CESNET	Resource Provider
Tomasz Szepieniec	TS	CYFRONET	Resource Provider
Floris Sluiter	FS	SARA	Resource Provider
Stuart Kenny	SK	TCD	Resource Provider
Zeeshan Ali Shah	ZS	KTH	Resource Provider, Technology Provider



AGENDA BASHING

There were no changes to the proposed agenda.

MINUTES OF THE PREVIOUS MEETING

The minutes of the previous meeting (13 September 2011) are publically available in MS Word and Adobe PDF format, and are accessible at: <https://www.egi.eu/indico/conferenceDisplay.py?confId=584>.

The minutes were approved without further changes.

ACTIONS REVIEW

ID	Resp.	Description	New Status
01/01	MD	Provide a simplified public URL for the Task Force “home page” (the WIKI entry page) and appropriate linking in EGI.eu home page etc. <i>13 Sep 2011: No progress.</i> <i>27 Sep 2011: Done the permanent URL is http://go.egi.eu/tf-fedclouds</i>	OPEN CLOSED
02/01	SB	Provide initial documentation on User Community requirements and needs that may be used as use cases for a federated cloud infrastructure <i>13 Sep 2011: In progress, the received answers need to be collated.</i> <i>27 Sep 2011: No progress</i>	OPEN
04/01	ML	Provide contact details for the mentioned Resource Centre that is willing to contribute to the physical test bed for the Task Force <i>13 Sep 2011: No progress</i> <i>27 Sep 2011: In Progress, it is currently unclear as to how many resources the site is able to contribute</i>	OPEN
06/01	ER	Provide links and documents on existing requirements and use cases for consumption in this Task Force <i>13 Sep 2011: In progress, ER is collating available information</i> <i>27 Sep 2011: Done, documentation is provided in DocDB (https://documents.egi.eu/public/ShowDocument?docid=815), and referenced on the TF Wiki.</i>	OPEN CLOSED
08/01	SB	Liaise and coordinate with the EGI outreach activities. Also provide information to the Task Force members (Wiki?) on the EGI outreach	OPEN



		channels and how to feed those with content <i>13 Sep 2011: No progress, was held up by earlier actions.</i> <i>27 Sep 2011: No progress.</i>	
10/01	MT	Draft an agenda for the Task Force needs and liaise with Steven Newhouse for time at the Technical Forum. Circulate that agenda and call for contributions by Task Force members <i>13 Sep 2011: In progress, time slots are available for the Task Force on Monday 16:00 for a F2F, and Tuesday 11:00 within SN's EGI Virtualisation session.</i> <i>27 Sep 2011: Done</i>	OPEN CLOSED
11/01	DW	Specify the term "umbrella activity", and approach those in scope for active contribution to this Task Force <i>13 Sep 2011: No progress, keep open</i> <i>27 Sep 2011: No progress</i>	OPEN
01/02	MD/SN	Reserve the unallocated Monday 16:00 session at the Tech Forum in Lyon for the Task Force, and disseminate this to the Task Force participants <i>27 Sep 2011: Done.</i>	NEW CLOSED
02/02	MT/MD	Prepare the Task Force F2F meeting in Lyon, with agenda and discussion material as required <i>27 Sep 2011: Done.</i>	NEW CLOSED
03/02	MD	Prepare an inventory sheet/table for Resource Centres to fill in with information as to how many resources they can dedicate to the Task Force, and which software they use to provide the six capabilities identified in the Cloud Profile. <i>27 Sep 2011: Done.</i>	NEW CLOSED
04/02	ML	Fill in the inventory matrix (CESNET) provided through Action 03/02 <i>27 Sep 2011: Done</i>	NEW CLOSED
05/02	TS/MR	Fill in the inventory matrix (CYFRONET) provided through Action 03/02 <i>27 Sep 2011: Done</i>	NEW CLOSED
06/02	DS/ER	Fill in the inventory matrix (INFN) provided through Action 03/02 <i>27 Sep 2011: INFN retired from the Task Force with the intention to return as a Technology Provider with WNoDeS.</i>	NEW DELETED
07/02	AE	Fill in the inventory matrix (KTH) provided through Action 03/02	NEW

		<i>27 Sep 2011: No progress</i>	OPEN
08/02	FS/MB	Fill in the inventory matrix (SARA) provided through Action 03/02 <i>27 Sep 2011: No progress</i>	NEW OPEN
09/02	DW	Fill in the inventory matrix (Oxford) provided through Action 03/02 <i>27 Sep 2011: Done</i>	NEW CLOSED
10/02	MD	Prepare an inventory matrix for Technology Providers to fill in, similar to the matrix indicated in Action 03/02 <i>27 Sep 2011: Done</i>	NEW CLOSED
11/02	DC	Fill in the inventory matrix (JRA1) provided through Action 10/02 <i>27 Sep 2011: No progress</i>	NEW OPEN
12/02	CL	Fill in the inventory matrix (StratusLab) provided through Action 10/02 <i>27 Sep 2011: No progress</i>	NEW OPEN
13/02	MT/MD	Prepare presentation material for the second, public Task Force session on Tuesday, 11:00 <i>27 Sep 2011: Done</i>	NEW CLOSED

The call participants briefly discussed the difficulties tracking action items in the minutes and requested a suitable tool to track action items (**see Action 03/01**)

ITEMS OF BUSINESS

EGI Technical Forum report

TF contributions

The participants discussed the level of participation of the Task Force members. MT clarified the situation as follows:

- **Resource Providers** are expected to contribute virtualised resources to the Task Force test bed in a sufficient amount to cover at least the six scenarios outlined in the work plan.
- **User Communities** use the virtualised resources provided by the Resource Providers to explore the test bed's capability to provide a Federated Cloud within EGI.
- **Technology Providers** provide software for the Resource Providers to deploy and use (for virtualised infrastructure management purposes), and for User Communities to consume (for actual virtualised computing and storage usage).



- **All** are required to provide intellectual contributions towards the outcome that is expected from the Task Force, as outlined in the Task Force Mandate (<http://go.egi.eu/720>).

Expected resource providers provision

Call participants were discussing the level of resources a Resource Provider has to contribute. MD clarifies that no high-end servers are required; even older test beds may be reactivated for this purpose. ML and MD agree that the minimum hardware requirements need to include hardware virtualisation support (e.g. Intel® VT, AMD® VT-d).

From use cases to capabilities

The participants discuss whether to change the terminology describing use cases, scenarios and capabilities. The participants agree to keep using the terms “Capability” and “Scenario” as they were used in the presentations in Lyon, with explicit support from GS, FS and MD. The participants further agreed to provide more information on the stakeholders, actors and terminology to the Wiki (**see Action 02/03**).

To further distinguish the expected complexity of the scenarios the participants also agreed to add another column to the relevant Wiki entry to indicate the potentially necessary effort to successfully satisfy the described scenario (**see Action 03/03**).

Work group and what is the role of a group leader

Work groups will be formed and aligned with the six scenarios; and for each of the six work groups six leaders will be nominated. MT clarifies that the leaders are not the workhorses of the work groups; rather they coordinate the work and results produced by the participants of the work groups. Participation to the work groups is not compulsory for everyone. However, MT stresses that participation is required to ensure progress of the Task Force.

Operational organisation of the TF

This topic was skipped in the discussion.

Work group leader nominations

The nominations for the work groups are as follows. They are based on voluntary self-nomination, or confirmed approaches within the community:

- Scenario 1 “Run a VM”: *Matteo Turilli, Michel Drescher*
- Scenario 2 “Data access”: *Micheal Higgins, CloudSigma*
- Scenario 3: “Information discovery”: *n.n.*
- Scenario 4: “Accounting”: *John Gordon, STFC*
- Scenario 5: “Availability”: *Daniele Cesini, EGI-InSPIRE JRA1 / INFN*
- Scenario 6: “Notification”: *n.n.*



Further during the call, PS, and FS tentatively volunteered for the remaining unassigned scenarios, completing the assignments as follows:

- Scenario 1 “Run a VM”: *Matteo Turilli, Michel Drescher*
- Scenario 2 “Data access”: *Micheal Higgins, CloudSigma*
- Scenario 3: “Information discovery”: *Floris Sluiter (tentative)*
- Scenario 4: “Accounting”: *John Gordon, STFC*
- Scenario 5: “Availability”: *Daniele Cesini, EGI-InSPIRE JRA1 / INFN*
- Scenario 6: “Notification”: *Peter Solagna, EGI.eu (tentative)*

PS indicated that the EGI messaging infrastructure is managed through GRNET hence a GRNET delegate might be of better help than himself.

FS mentions that the assignment is pending confirmation of MB before it may be permanent and confirmed.

First scenario workgroup kickstart

Assignments of scenario leader

As per earlier discussions MT and MD will lead this scenario.

Discussing the adoption of X509 for the resource providers

Due to lack of time this topic was not discussed and postponed to the net call.

AOB

Authentication/Authorisation

ZS mentions that AAI, including Security audits are an important issue that he would like to discuss. MT postponed the discussion to the next call.

Contributions from Venus-C

ZS asked which kind of contributions from Venus-C are expected. MD replies that the Venus-C expertise lies more in User Community consultancy as to how they can optimally exploit virtualised infrastructures (i.e. the EGI Federated Cloud) for their own benefit. Further, expertise in operating a Cloud infrastructure may be contributed to Resource Providers, and Technology Providers, MD adds.

Reminder about completing the inventory sheet

MD reminds existing and new Resource Providers, as well as the existing Technology Providers to fill out the provided inventory tables in the Task Force Wiki (<https://wiki.egi.eu/wiki/Fedcloud-tf:InventoryOfAvailableSoftware>) (see **Actions 04/03, 05/03 and 06/03**).





ACTIONS

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07/02	AE	Fill in the inventory matrix (KTH) provided through Action 03/02 <i><u>27 Sep 2011:</u> No progress</i>	NEW OPEN
08/02	FS/MB	Fill in the inventory matrix (SARA) provided through Action 03/02 <i><u>27 Sep 2011:</u> No progress</i>	NEW OPEN
11/02	DC	Fill in the inventory matrix (JRA1) provided through Action 10/02 <i><u>27 Sep 2011:</u> No progress</i>	NEW OPEN
12/02	CL	Fill in the inventory matrix (StratusLab) provided through Action 10/02 <i><u>27 Sep 2011:</u> No progress</i>	NEW OPEN
01/03	MD	Suggest a tool for action item tracking for the Task Force	NEW
02/03	GS	Provide an introduction on the WIKI about the stakeholders, actors	NEW



and terminology used in this Task Force

03/03	MD	Provide an overview of the six scenarios in the Wiki including Scenario leaders and scenario complexity.	NEW
04/03	MH	Fill in the inventory matrix (CloudSigma) provided through Action 03/02	NEW
05/03	RY	Fill in the inventory matrix (Max-Planck-Institut) provided through Action 03/02	NEW
06/03	DO/SK	Fill in the inventory matrix (Trinity College Dublin) provided through Action 03/02	NEW



Minutes prepared by Michel Drescher, 6 September 2011

Minutes Approved Task Force Chair Matteo Turilli

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