



Cloud Task Force Report

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Our Responsibility

- Interoperability between grids, supercomputers and emerging computing models like clouds and desktop grids will be extended to address scalability and accessibility requirements.
- Evaluate integration scenarios with off-the-shelf computing cloud systems
- Bridge the gap between grid and cloud infrastructure
- Report with architecture/infrastructure sketch
- M30 - Successful computational usage of emerging computing models, ie, clouds with EMI components (and a test bed)

Taskforce Session

- **09:00** Cloud development at NIIFI (NAGY, Zsombor)
- **09:15** WnoDeS and OCCI (SOLAGNA, Peter)
- **09:30** Cloud Projects: StratusLab and Venus-C (MEMON, Shahbaz)
- **09:50** Unicore Cloud Initiative (MEMON, Shahbaz)
- **10:05** e-Science Application Requirements (YEN, Eric)
- **10:20** Discussion
- **11:10** Summary of Hepix Virtualization WG (Owen Synge)
- Participants: 12

Deliverable and Collaboration

- Cloud Computing Taskforce
 - M12 – Report on a reference architecture/infrastructure sketch
 - M16 – Proof of concept (testbed construction)
 - M20 – Functioning Prototype (alpha version)
 - M24 – First release with tests, and documentation
 - M30 – Successful computational usage of emerging computing models, ie, clouds with EMI components (and a test bed)
- Other activities in EMI
 - M10 – Expect input from Argus-EES of Security Area.
 - M12 – Expect feasibility document of Hydra Cloud integration from Security Area.
- Collaboration Mechanism
 - Telcon fortnightly
 - Wiki, mailing list
 - Close work with Virtualization Task Force
- Participants: ASGC (coordinator), JULICH, NIIFI, INFN

Collaboration Projects on Cloud

Providing Project	Consuming Project					
	EDGI	EGI-InSPIRE	EMI	IGE	StratusLab	Venus-C
EDGI			Technology bridging	Interest from UK, NGI, EDGI-SW, GRAM gateway development, requirements	IaaS	
EGI-InSPIRE			Requirements, Dissemination and Exploitation	Requirements		
EMI	Technology previews	Middleware, support, SLA, Dissemination and Exploitation		Requirements	Middleware able to run on OpenNebula	Middleware able to run on VENUS-C technology
IGE	Globus, GRAM gateway development	middleware, support, SLA, training	Standardization, Interoperability, Support for Globus components		Globus, Hosting globus.eu on StratusLab, investigate dynamic Grid deployment	
StratusLab	VA for Grid services		Requirements for Virtual appliances for Grid services, access to virtual testbeds	StratusLab-SW. Hosting globus.eu on StratusLab (Amazon API). investigate dynamic Grid deployment. requirements		VA for Grid services
Venus-C			Requirements for Virtual appliances for Grid services, access to virtual testbeds		IaaS	



Thank you

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