

# JRA1.5 - Definition and Implementation of the Infrastructure Area Work Plan - Task Force Cloud and Virtualization

## Mandate and expected results

- Explore possibilities of how virtualization and cloud technologies / infrastructures are useful in the context of EMI
- Prepare a rough infrastructure / architecture sketch; an overview figure how clouds are used in context of EMI
- Expected is a 5 page document including the content from the above two points

## Scope

- Focus is clouds and thus only virtualization in this context
- Related technical objectives can be found in DNA1.3.1

## Guidelines / Hints

- Explore existing virtualization solutions (e.g. XEN, VMWare, etc.)
- Focus is only virtualization in context of EMI components
- Take existing work of the EMI components (e.g. WNODES) into account and evaluate it
- Does it make sense to create a product team and/or which EMI components are affected?

## Collaborations

- StratusLab
- VenusC

## Task Force Leader

- Simon Lin (ASGC)
- Eric Yen (ASGC)
- Shahbaz Memon (JUELICH) - Deputy

## Task Force Members

- Bjoern Hagemeyer (JUELICH)
- Zsombor Nagy (NIIFI)
- Oscar Koeroo (NIKHEF)
- Mischa Salle (NIKHEF)

## Task Force Evaluators

- Project Technical Board (PTB)

## Events

- 22 Nov 2010 Cloud Computing side meeting in EMI All Hands [Link](#)
- 27-28 Jan 2011 Build and Use Your Own Cloud Infrastructure with OpenNebula in the RESERVOIR Framework [Link](#)

- 11-14 April 2011 EGI User Forum Link [↗](#)
- 12-13 May 2011 EGI User Virtualisation Workshop Link [↗](#)

## Meetings

- 22 Aug 2011 [↗](#)
- 4 Aug 2011 [↗](#)
- 14 Feb 2011 [↗](#)
- 26 Jan 2011 [↗](#)
- 4 Nov 2010 [↗](#)

## Tracking

- 2010-08-18 - Laurence and Morris: Task Force Cloud created
- 2010-11-09 - Balazs : Task force approved by PTB and status update expected at AHM
- 2010-11-22 - Shahbaz and Eric : Task force session at AHM.
- 2011-02-03 - Task Force pages of virtualization and cloud merged after PTB 'merge decisions'
- 2011-05-24 - Shahbaz: Preliminary task force document uploaded.
- 2011-08-02 - Task added into the EMI tracker: <https://savannah.cern.ch/task/?21806> [↗](#)

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