

IEEE Has it Goin' on in Cloud IEEE Cloud Computing Initiative

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SIENA Cloudscape V Meeting Brussels, Feb 2013



IEEE Cloud Computing Initiative

CLOUD COMPUTING

- An Initiative tying together several IEEE Activities
- Conferences, an Active Research Community and Standards Working Groups



IEEE P2302 - Standard for Intercloud Interoperability & Federation

Interoperability Profiles

- PAR in Formation Standard for Cloud Computing Units of Measurement
- PAR in Formation Swift and Nova Standard for IaaS Cloud API
- PAR in Formation EC2 and S3 Standard for IaaS Cloud API
- > PAR in Formation GCI Standard for IaaS Cloud API
- Industry Connections Program IEEE Cloud
 Computing Interoperability and Portability Test Bed







IEEE CloudCom - 5th year

Conferences

IEEE Cloud - 6th year





IEEE Grid & Pervasive Computing – 8th year

IEEE eSciences and Grid - 9th year





IEEE Services Computing - 10th year

IEEE Cluster, Cloud, & Grid - 11th year





IEEE Parallel/Distributed Processing - 13th year

IEEE High Perf. Computing & Simulation - 28th year

Preliminary Call for Papers and Participation
The 2013 International Conference on High Performance Computing & Simulation
(HPCS 2013)

July 01 – 05, 2013

Helsinki, Finland



IEEE Distributed Computing Systems – 33rd year



IEEE Intercloud



Global Certificate

Authority

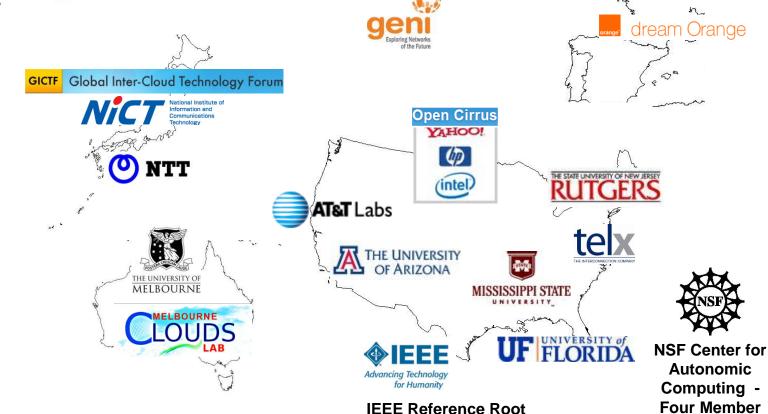


NOTE:

The P2302 blueprint is a "Transparent Peer to Peer Volunteer" architecture.

In contrast to the EGI work, which is an "Independent **Multi-Cloud**" architecture. *

The SS7/IN **PSTN** and the Internet are both of type **Transparent** Peer to Peer Volunteer.



and Exchange

* N. Grozev and R. Buyya, "Inter-Cloud Architectures and Application Brokering: Taxonomy and Survey", Journal of Software: Practice and Experience., Wiley InterScience 2012

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POLYTECHNIC UNIVERSITY

Autonomic Computing -**Four Member** Universities





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Thank You

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http://standards.ieee.org/develop/project/2302.html

http://cloudcomputing.ieee.org/intercloud

