

DCI Federation General Session

Tuesday, 22 March 2011 11:00 (1h 30m)

Infrastructure federation is becoming an increasingly important issue for modern Distributed Computing Infrastructures (DCIs): Dynamic elasticity of quasi-static Grid environments, incorporation of special-purpose resources into commoditized Cloud infrastructures, cross-community collaboration for increasingly diverging areas of modern e-Science, and Cloud Bursting pose major challenges on the technical level for many resource and middleware providers. Especially with respect to increasing cost of operating data centers, the intelligent, yet automated and secure sharing of resources is a key factor for success.

The DCI Federation Working Group (DCIfed-WG) will, after initial research, deliver a specification for the automatically negotiated, SLA-secured, dynamically provisioned federation of resources and for Grid- and Cloud-type infrastructures. The scope of the specification will include (1) the delegation of workload from one domain into the other, covering job description, submission, and monitoring; and (2) leasing of resources, including resource definition, provisioning, and monitoring.

This session focuses on general issues, group synchronization, open problem discussion, and future planning.

Agenda:

- (1) Welcome
- (2) What is DCI Federation?
- (3) Discussion of open issues from the mailing list
- (4) Housekeeping (Conference Calls, Workspaces, etc.)
- (5) AOB

Session Classification: DCI Federation General Session