

International Collaboration Goals & Potential GENI Contributions

GEC 14

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- Goals
- Potential GENI Contribution

Earlier today, we saw a demonstration of a slice around the world

How do we make our capabilities interoperate so such configurations (or smaller versions) become

1. Common (or at least straightforward to set up)
2. Automated (partially or fully)



Identify a small team that will continue to meet over the next few months (by phone / email)

- Choose concrete steps that will be taken in the next six to twelve months
- Develop and present a plan in the timeframe of GEC15 (November 2012)
 - Begin with a simple collaboration built on resources (compute & network) and configurations that can interoperate compatibly now (or very soon)
 - Build up from a modest core configuration

- Goals
- Potential GENI Contribution

- Experimenter resources
 - GENI will issue credentials to participants in international experiments, giving access to:
 - Existing GENI compute resources (now)
 - Meso-scale OpenFlow switches (now)
 - GENI racks – compute, storage, and OpenFlow (as racks are deployed)

- Clearinghouse and aggregate platform help – available code bases and technical assistance
 - Several GENI development teams have an existing software base that suitable for reuse to support instantiation of new clearinghouses and aggregates
 - PlanetLab / myPLC – clearinghouse and aggregate functions
 - ProtoGENI – clearinghouse and aggregate functions
 - GENI reference clearinghouse