

GEC #6, November 18, 2009  
Robert Ricci

# Control Framework WG

# People

- New co-chairs
  - Robert Ricci and Jeff Chase
- Outgoing co-chairs
  - Larry Peterson and John Wroclawski
- System Engineer
  - Chris Small

# Purpose of the Working Group

- Control framework will be one of the “durable” GENI outcomes
- Most of us have to interact with them in some way
- Provide a forum for discussion of issues that apply across different CFs
- What is universal across GENI components?
- Topics in-scope include:
  - Component control (obtaining and managing resources)
  - Slice control (interfaces and mechanisms for establishing and controlling slices)
  - Access control within GENI
  - Interactions external to GENI

# Spiral 2 Working Group Plans

- Major goal: Define the Aggregate API
  - Requirements to function calls to resource representation
- Parallel approaches
  - Converge APIs of two Control Frameworks
    - PlanetLab and ProtoGENI both started with “SFA”
    - Reconcile naming, credentials, host and network RSpecs
    - Output: API with matching implementations
  - Define missing elements needed for more general API (next-gen API)
    - Framework for policies, scheduling, more general resource representation
    - Output: API

# Agenda

- Framing talks (30 minutes total)
  - Robert Ricci: *Current approaches to resource representation*
  - Guido Appenzeller: *Spiral One integration experiences*
  - Jeff Chase: *Next-generation need for scheduling, stitching, resource representation*
  - Steve Schwab: *Next-generation need for identity and authentication services*
- Panel discussion (60 minutes)
- Wrap-up and next steps (15 minutes)