GEC 9
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ProtoGENI Status and Priorities

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In The Last Year

- Moved to Version 2 of CM API
- GENI AM API (participated in design, running)
- Backbone resources available to other clusters
- Reference component manager released
- Emulab frontend to ProtoGENI up and running
- Two tutorials at GECs

Major Recent Activities

- Federated with PlanetLab CF
  - Exchanged root CA certificates
  - Using GENI AM APIs, will now accept each others'
    - Users
    - Credentials (including slice credentials)
- Map client has greatly improved
  - Can create and view slices
- Efficiency and performance improvements
- Finally have a logo!

Some Statistics

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- About 115 users have created slices
  - Most from Utah SA, but growing number from other SAs (mostly BBN)
- About 3,750 slivers have been created at Utah
- Federation now has 16 member aggregates
  - About a dozen up at any one time
  - Together, advertise almost 1,000 components

Short-Term Priorities

- GENI API aware version of Ref CM
- Move to RSpec 2 (implemented)
- Stitching: AM <-> AM API, ION backend
- Better error messages to users
- Export Emulab frontend to other sites

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Longer-term Priorities

- Put a lot of effort into map client
  - Publicly-usable version for
- Work on GENI-wide APIs for SA and clearinghouse
- V2 APIs for SA, clearinghouse (minor)
- Start getting users of federated Emulab sites to use the federation
- Re-visit CA structure