
GENI Going Forward (Operations/Monitoring Support)

James Griffioen
Cody Bumgardner
University of Kentucky

Rob Ricci
University of Utah

Objectives

- Provide ongoing development and maintenance support for:
 - Operations and InstaGENI Rack support
 - Foundational GENI Services
 - Experimenter Tools
 - Monitoring/Reporting
- Work with other institutions as part of a distributed GENI operations organization (Kentucky, RENCI, Utah, GMOC, and GPO).
- Provide guidance, experience, and documentation.
- Participate in planning for post 2017 operations.



Operations and InstaGENI Rack Support

- Operate InstaGENI racks
- Perform regular maintenance activities
- Respond to user-reported and experiment-specific issues
- Software updates
- Escalate certain issues to the Utah team.



Operation of GENI Services

- Operate the following GENI Services
 - GENI Portal
 - GENI Clearinghouse
- All policy and access decisions are deferred to the GPO
- These services have been moved to the AWS Cloud.
- Supported jointly with the GPO



Experimenter Tool Support

- Continue to operate the GENI Desktop
- Expand GENI Desktop functionality to support a broader range of experiments, measurements, and analysis.
- Continue to explore ways to integrate the GENI Desktop with other experimenter tools.
- Further develop the scriptable interface to GENI Desktop services.
- Work with Utah team to provide Jacks support/integration



GENI Infrastructure Monitoring/Reporting

- Continue to operate and enhance the GENI monitoring system.
- Collect monitoring, usage, and performance data
- Operate alerting/reporting tools
- Produce monitoring reports



Thank you!

Question?



UNIVERSITY OF KENTUCKY

This material is based upon work supported in part by a subcontract with Raytheon BBN Technologies Corp. under National Science Foundation award number CNS-1536090.

GEC 25 (03/14/17)