



GENI

Experimenter Workflow and Services Working Group Panel Discussion

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Disclaimer – About GENI Solicitation 3

- Although area C of GENI solicitation 3 may be less constrained than areas A and B, the GPO is seeking relatively specific items.
 - Before proposing, please read the solicitation
 - The GPO is glad to discuss your ideas with you
- Remaining slides are my personal thoughts about ongoing GENI experimenter support.

- Count on (and help) component developers to provide guidance for using individual components
- Suite of worked “Hello world” examples
 - Including heterogeneous (cross-CF and different resource types) examples
- GENI newcomers need help to handle information overload when confronting GENI in the large
 - What GENI resources exist? Which are best suited to solving my problem?
 - Resource utilization etiquette
 - What’s plentiful / scarce?
 - How do I clean up after myself?

- As with any system, many GENI support needs are likely to be training needs
 - First support task is building the GENI library, making it available and accessible
 - OK for first level support to be RTFM, so long as there is one – better if you provide a pointer
- GENI is a big place, and visitors can use a guide
 - Common recipes for success
 - Pitfalls to avoid
 - Community-based support is a big part of the answer, but not the whole answer

- When things break, a tiered support structure probably makes sense
 - Expect most value added from a GENI support team comes in identifying issues in heterogeneous configurations
 - Support team will need to maintain strong relationships with component developers for reachback
- Answer the phone (or e-mail)
 - Users feel abandoned quickly

- GENI newcomers (and old hands) need help to handle information overload when confronting GENI in the large
 - What GENI resources are best suited to solving my problem?
 - Resource utilization etiquette
 - What's plentiful / scarce?
 - How do I clean up after myself?

- Course material at the undergraduate and graduate levels
 - Lab-style homework assignments
 - “How does your sample CDN implementation perform under different loading conditions?”
- Build a community of researchers who are fluent in GENI