GENI Experimenter Portal Service High-Level Use Cases

Actors
1. Experimenters
2. Analyzers
3. Experiment observers (i.e. people who read papers which direct them to experiment results)

Stakeholders
Who should be included for input on these use cases?

Goals
1. User's window into GENI
2. Conveniently and easily manage GENI resources, I&M data, and experiment results
3. A place to control the experiment
4. Works for both short/small (weeks-months?) and long/large (months-years?) experiments
5. MAP (Measurement, Analysis, Presentation)
6. A place to store and retrieve experiment results and analysis (Lab book?)
7. Largely stateless? (Does this conflict with 4?)
8. A way to get to necessary GENI experimenter tools such as Flack, GUSH, OMNI
9. Manages moving I&M data to archive (iRODS?) with metadata (MDOD?)
10. Allows the public to access published experiment results

Scope of the portal
What does it do?
What does it not do?

Execution Environment
1. Where does the portal instance run?
   a. On an infrastructure server as a web service?
   b. On an experimenter's server as a web service?
   c. On an experimenter's desktop?

Interfaces
1. public (RESTful?) API
2. with Flack
3. with GUSH
4. with OMNI
5. with iRODS