

Project 1706 - Plan for making provenance information available to experimenters

February 16, 2010

We ask the community to donate their GUSH log files. To this end, we prepared a log file submission tool available at <http://pti.iu.edu/d2i/provenance/submit-gush-log>. We'll mine these log files for provenance data and drop the provenance into the netKarma provenance repository. All this information will be accessible through NetKarma Provenance Repository to the community. The NetKarma Provenance Repository is an Axis2 Web service that resides on a server in the GENI Meta-Operations Center (GMOC), located at Indiana University. It has a WSDL access API so provenance can be retrieved programmatically. The persistent Axis2 web service is available at <http://bitternut.cs.indiana.edu:42816/axis2/services/KarmaService>. Donators of the GUSH log files will get a message back with information that explains how to query the web service for the provenance graph of their GUSH run. In turn, this will enable GENI experimenters show such provenance information in visualization such as Google Earth View. We are also working on customizations to the CytoScape tool that users can download to visualize their provenance.