Technical Status Report for Million Node GENI project (proposal 1696, NSF Grant CNS-0737890), for October through December 2009

PI: Justin Cappos

Major accomplishments

Milestones achieved

N/A

Deliverables made

SECUREUPDATES: S2.a overview (Due Nov 15th, 2009)
   Sent on Nov 12th, 2009

SECUREUPDATES: S2.b client lib design (Due Dec 30, 2009)
   Sent on Dec 30th, 2009

SECUREUPDATES: S2.c repo lib design (Due 12/30/09)
   Sent on Dec 30th, 2009

Description of work performed during last quarter

Activities and findings

We produced an overall design document describing the security approach and goals of the project. We produced design documents for a software updater that protects against replay and freeze attacks. We also wrote a design document for a repository that provides the necessary signed metadata and is resilient to attack.

Project participants

Justin Cappos (PI)
Justin Samuel (Programmer)

Publications (individual and organizational)

None

Outreach activities

None

Collaborations

We had some preliminary discussions with the Raven and Tor folks to determine how our efforts fit into their projects.

Other Contributions

We discussed our progress at GEC 6 and gave a talk in the Cluster B meeting.