

# LAMP: Leveraging and Abstracting Measurements with perfSONAR

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perfSONAR

# Spiral 2 Objectives

- Develop a distribution and perfSONAR infrastructure for ProtoGENI as part of the ProtoGENI Instrumentation and Measurement Infrastructure (pGIMI)
  - Deploy perfSONAR archives, collectors and discovery infrastructure
  - Integrate and extend ProtoGENI instrumentation from Spiral 1
- Longer term: investigation of using perfSONAR to link various measurement efforts in the ProtoGENI cluster

# Challenges

- Integration of disparate data models and resource descriptions into a cohesive framework
  - At both the substrate and slice levels
- Develop and deploy efficient collection and storage for ubiquitous monitoring
- Study intrusiveness

# Proposed Approach

- Implement and observe
  - Development and integration efforts
- Study various data models and terminology
  - Survey and document
  - Engage this working group to discuss