



OnTimeMeasure Project Status

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I&M Working Session for GEC12

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OnTimeMeasure – Experimenter Support

- Continuing to support OnTimeMeasure for Experimenters
 - Support ~16 GENI project users registered in the researcher web-portal
 - Three Experimenter I&M case studies being pursued: OSU, Purdue U, RIT
 - Improve documentation on GENI integration of OnTimeMeasure with:
 - *ProtoGENI, PlanetLab, GUSH, INSTOOLS, DOR, CRON*
 - Hands-on Experimenter Tutorial being planned for GEC14
- New Capabilities Development in Spiral 4
 - “Custom metric integration” web-services for GENI experimenters
 - Prototype demo at GEC12 reception – OSU and Purdue U case studies
 - INSTOOLS-Flack software integration of OnTimeMeasure
 - Build on the “GENI Portal Service” vision of INSTOOLS
- Solicitation 3 I&M Projects Integration of OnTimeMeasure
 - Assess integration of unique capabilities with GIMI and GEMINI

New Challenges in GENI I&M

- Develop a design for “infrastructure measurement slices” in GENI
 - Collaboration with the PerfSONAR/LAMP project team
 - Building upon “Reference Slice” experiences of Ali Sydney & Harry Mussman
- Monitoring GENI backbone and access networks carrying non-IP traffic
 - Evaluate specialized tools for VLAN performance monitoring
 - Use Kansei-ORCA VLAN as a testbed (and others) for experiments
 - End-to-end Path: [OSU](#) – [OARnet](#) – [MERIT](#) – [Starlight](#) – [GCDnet](#) – [NLR](#) – [RENCI](#)
- Monitoring of OpenFlow networks (“plastic slices”)
 - Suggest specialized tools for “plastic slice” performance monitoring
 - Use Tango GENI as a testbed for experiments

Thank you for your attention!

