

GMOC Operational Plans

GEC18

10/28/2013



Goals for GENI Operations



Shared Operational Goals: GENI Predictability & Availability

- Emergency Stop/LLR
- Procedures/Notifications (targeted!)
- Reporting (How do we measure GENI uptime?)


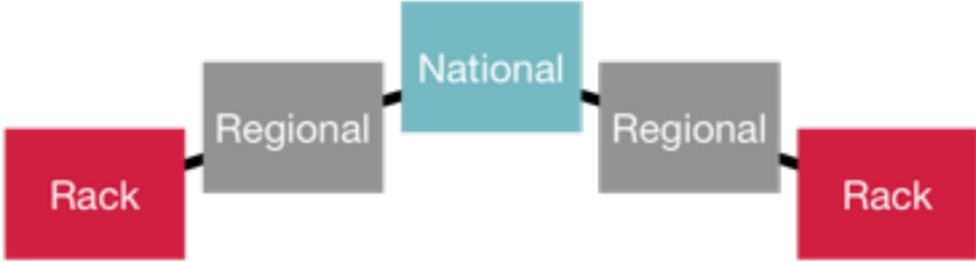
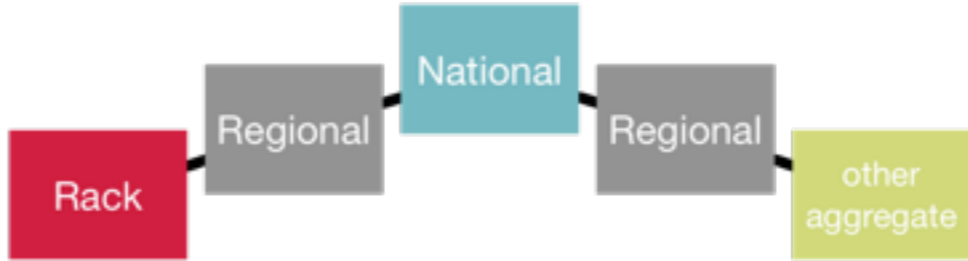


Shared Operational Goals: Coordinated Federation

- ⦿ no central operator
- ⦿ If there's a problem:
 - experimenters & operators know how to report it
 - it gets fixed
- ⦿ Don't push the complexity onto the experimenter



Shared Operational Goals: Support for Multiple Types of Experiments

1	◎ Intra-Rack 
2	◎ Inter-Rack, Same Rack Team 
3	◎ Cross Rack project or Rack -> non-Rack 

Shared Operational Goals: Experiment Repeatability

- “Results today don’t look like results last week. What was different?”



Shared Operational Goals: Visibility of End-to-end data

- “Is everything for my slice working?”
- experimenters shouldn't have to manually cross-reference different sources of data

The next year



GMOC efforts overview

- continue & improve existing efforts
- Integrate new operational team/model
- data-driven operational planning: How many experiments of each type are there? What do our users want?
- Operational playbook



GMOC Tasks

- ◎ Front Door for GENI Support
 - ops mailing list
 - Emergency Stop/LLR orchestration
 - GENI ticketing system
- ◎ Internet2 GENI support & Monitoring
- ◎ Continue to support GENI relational DB
- ◎ Procedures documentation (playbook)



Not GMOC Tasks

- Measurement
- Racks Monitoring
- visualization enhancements

Questions

- ◉ How will operations work, in detail?
- ◉ Non-Internet2, non-Racks
 - Regionals?
 - Others?
- ◉ Alarm coordination
- ◉ Correlation
 - no measurement, but how do we put measurement and health together? do we need to?
- ◉ Portal ties?
- ◉ When is GENI in continuous operations?

