

Storage for your GENI slice

IDMS Experimenter Demo

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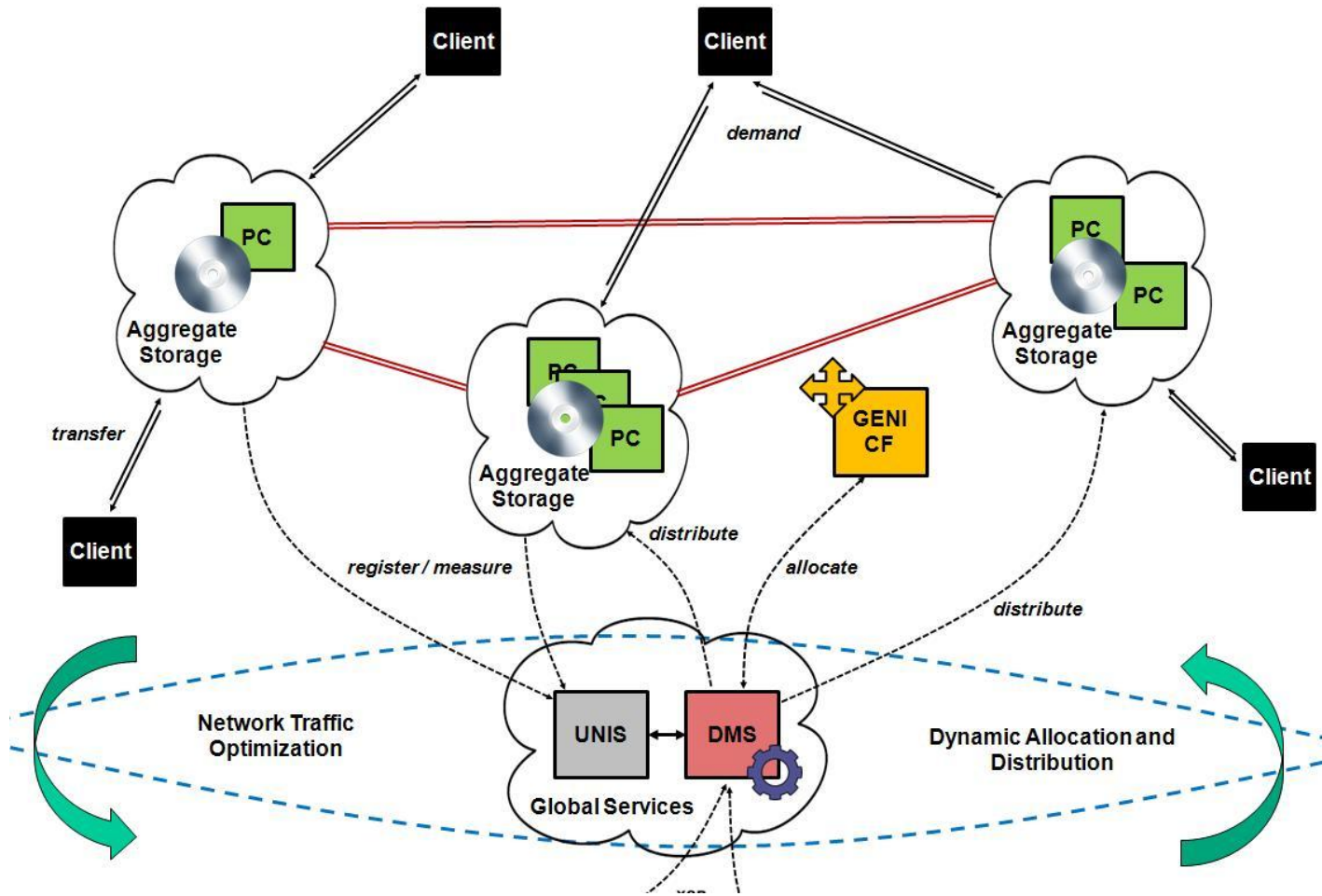
GEC20 – Upcoming Experimenter Tools



IDMS project overview

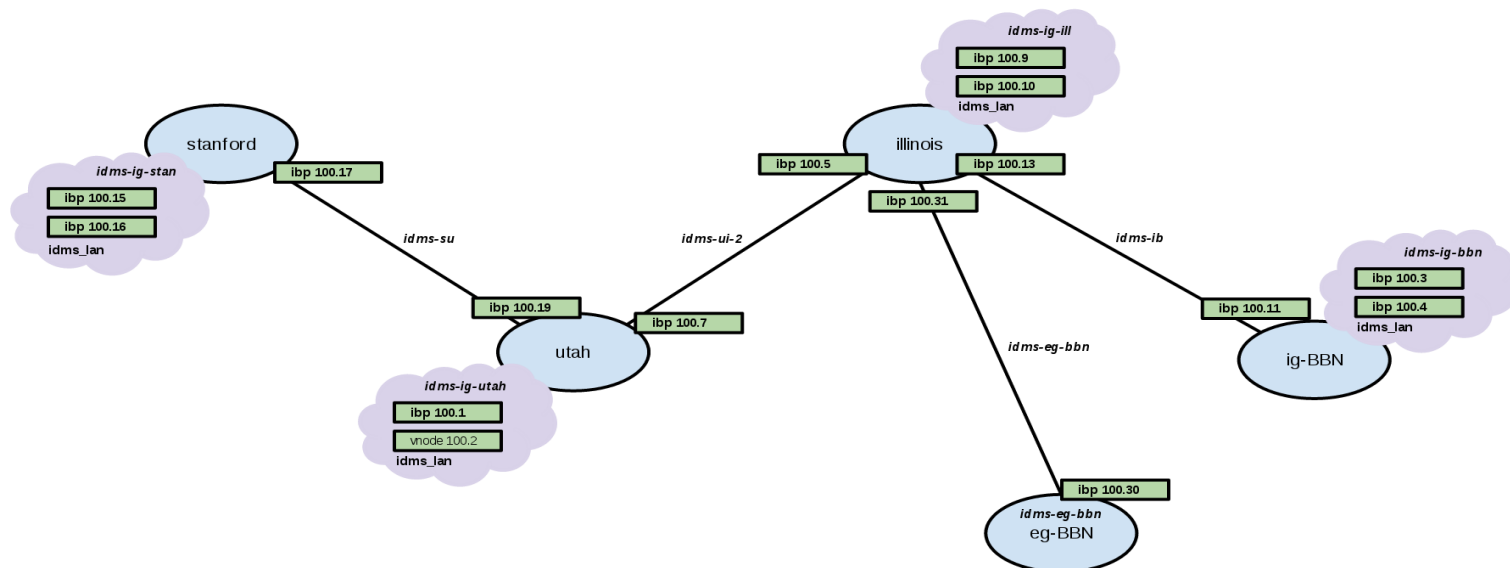
- Create a distributed, dynamic data storage and movement service as a long-running GENI experiment
- Distributed across many GENI aggregates, dynamism through responsiveness to experiment measurements
- Use existing, proven services as core components
 - Object store (IBP server)
 - WAN acceleration (Phoebus)
 - Network signaling (XSPd)
 - UNIS and I&M
 - Data Manager Service (new)
- Create appliance images that work across IG/EG aggregates
- Give other GENI user experimenters access to IDMS resources

IDMS component diagram



GEC20 Status

- Stitching together shared vlan “islands”
 - Stanford, Utah, Illinois, BBN
- Experiment runs in a /16 IP subnet
 - VMs act as bridges between stitched and shared vlan interfaces
- DMS tracks resources across IDMS slices
 - Dynamically provisions new capacity when needed and renews existing resources



Experimenter demo

- Tutorial link:
 - <http://groups.geni.net/geni/wiki/sol4/IDMS/ExpTutorial>

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- Project Wiki
 - <http://groups.geni.net/geni/wiki/sol4/IDMS>