

A GLIF Dynamic GOLE Testbed?

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- Establish a (simple) dynamic GOLE testbed
- Establish one or two use cases
- Run application trials using on testbed
- Goal:
 - Get infrastructure experience
 - Get application experience
 - Have something running soon
- Demo already in 2009

- Initially focus on L2
 - Deploy Ethernet switches with DCN-capable controllers at a number of GOLE sites (i.e., NetherLight, NorthernLight, MANLAN)
 - Establish testbed that allows dynamic VLAN-based lambda provisioning between sites using DCN
- Connect trial use case application sites

- LHC Tier-1 / Tier-2 data transfers
- dCache storage platform
 - Used by a number of LHC Tier-1 (in the US, Europe, Asia)
 - Has hooks to exploit DCN (through terapath)
- Trial: Tier-2 to Tier-1 data transfers using dynamic lambdas over dynamic GOLES
- Participants: GLIF partners, dCachedevelopment team, LHC Tier-1 / Tier-2s

- Extend testbed to other platforms than DCN
- Deploy GUSI
- Include L1 switching in testbed
- Include WSS switching in testbed
- ...etc