OpenDRAC update

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Current status

- Recently completed:
    - Basic Ethernet/VLAN support of Force10 switch
    - Fenius 2.0 inter domain
    - Extended static topology
    - OpenDRAC WSDL 3.0
- Demonstrated OpenDRAC layer 2 control of NetherLight and CERNLight during GLIF Automated GOLE demo

OpenDRAC becomes a true multi-layer controller

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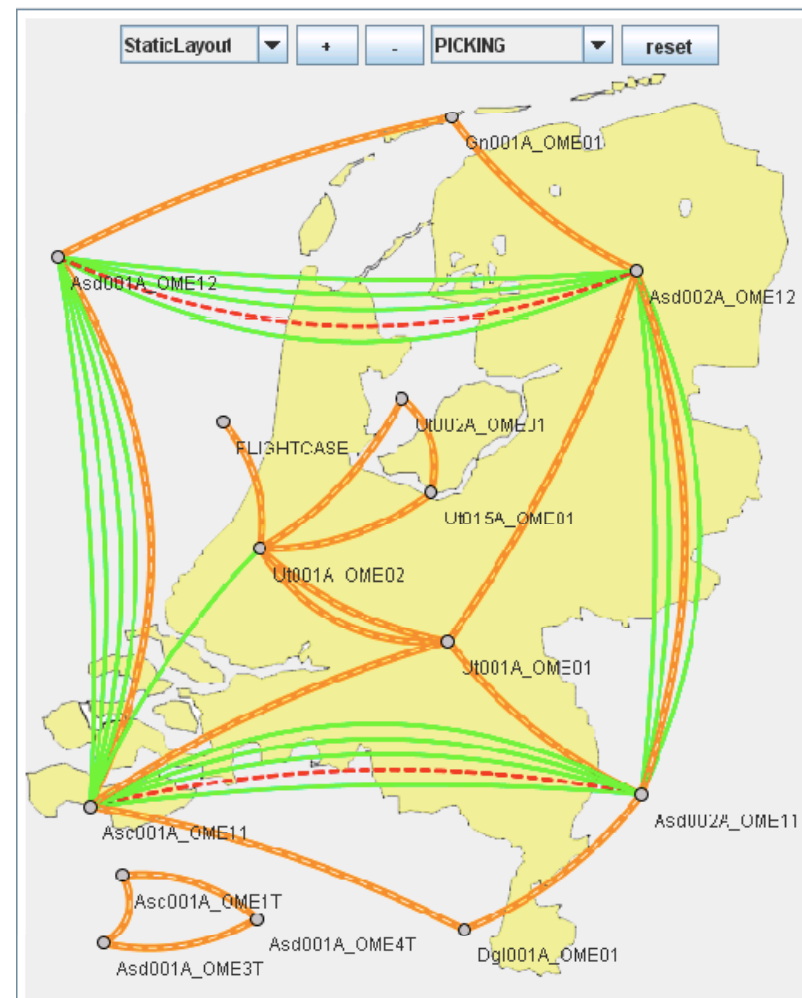
OpenDRAC development

- Introducing SCRUM development process
- Enhancing development and build environment
    - Expanding unit test coverage
    - Introducing automated end-to-end testing
    - Continuous integration builds
- Production loads will build from OpenDRAC repository before the end of 2010
- Staffing profile 4 FTE
    - 2.5 contractors and 1.5 SURFnet
- Cooperate with ESnet/OSCARS open-source project
    - Working on inter domain problem
    - Development and reuse of common components

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2011

- OGF NSI reference implementation
- NOC integration for DRAC alarms/events, resources, and topology
- Federated authentication, authorization and policies
- Implementation of Next Generation Ethernet based on technology outcome of SURFnet tender
- Research solution to the last-mile problem of campus edge to researcher/instrument
- New support team to address technical issues and assist in setting up dynamic end-to-end services

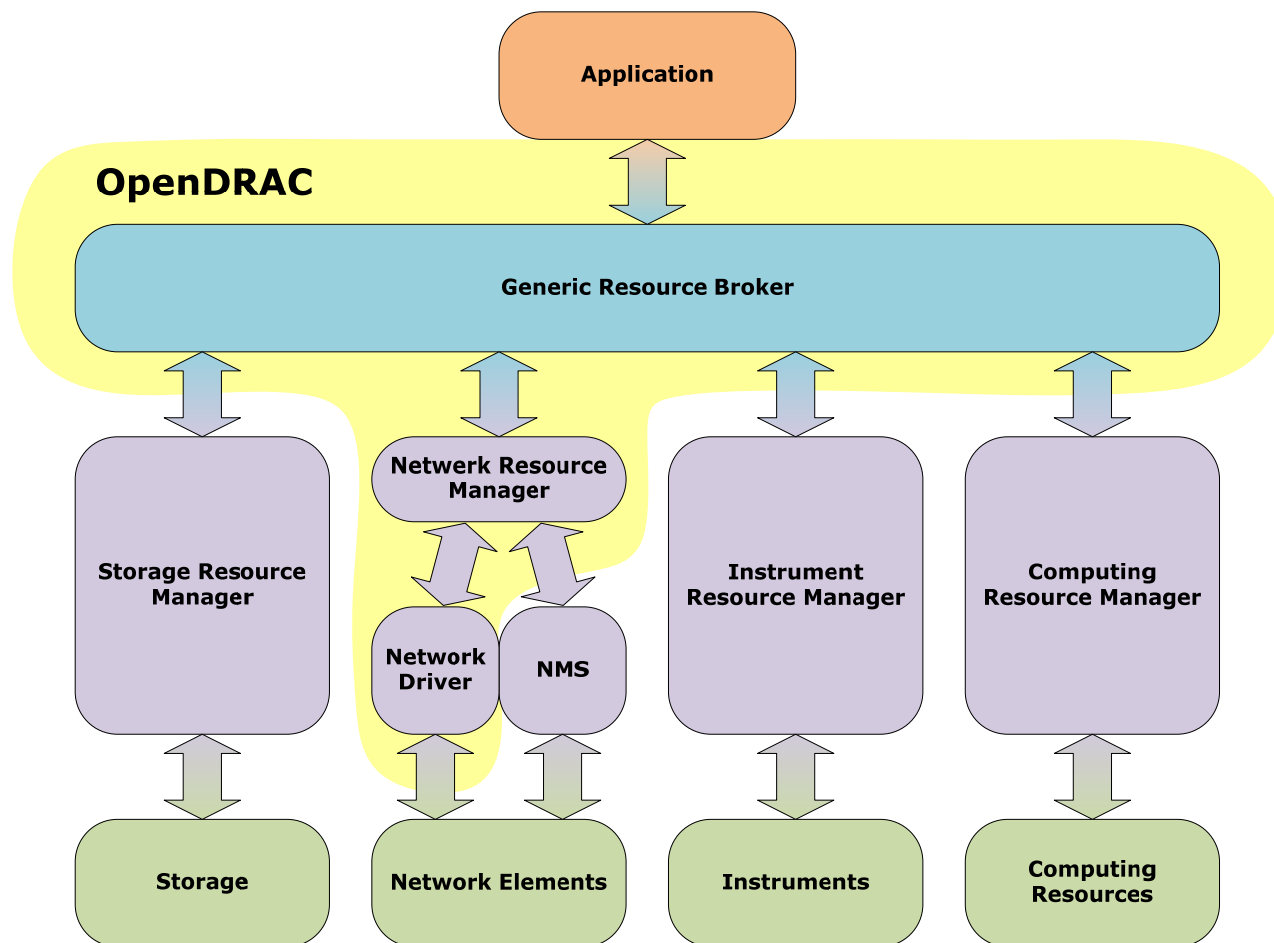SURFnet. We make innovation work

Enabling Dynamic Services

- Resource naming schemes and correlation to network infrastructure
- End of 2011: Demonstrate dynamic workflows with OpenDRAC providing the network resources for virtual organizations
- Continue development of generic resource brokering features of OpenDRAC

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Future: OpenDRAC as generic resource broker

Thank you