



Automated GOLE + NSI demos

Supercomputing 2012

Salt Lake City

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- Preserve the AutoGOLE + NSI version1
 - Continue to use for demonstration and testing
 - Use the AIST Status Monitor and Automated Earth graphical displays
- For NSI version 2 at Supercomputing...
 - We develop a virtual “Caribbean” topology
 - We do interop testing and debugging
 - Use it to make real progress in v2 details
 - We demo using CLI or a web GUI and logs...
 - This is early development testing...its not fully baked and we should not present it as if it were...



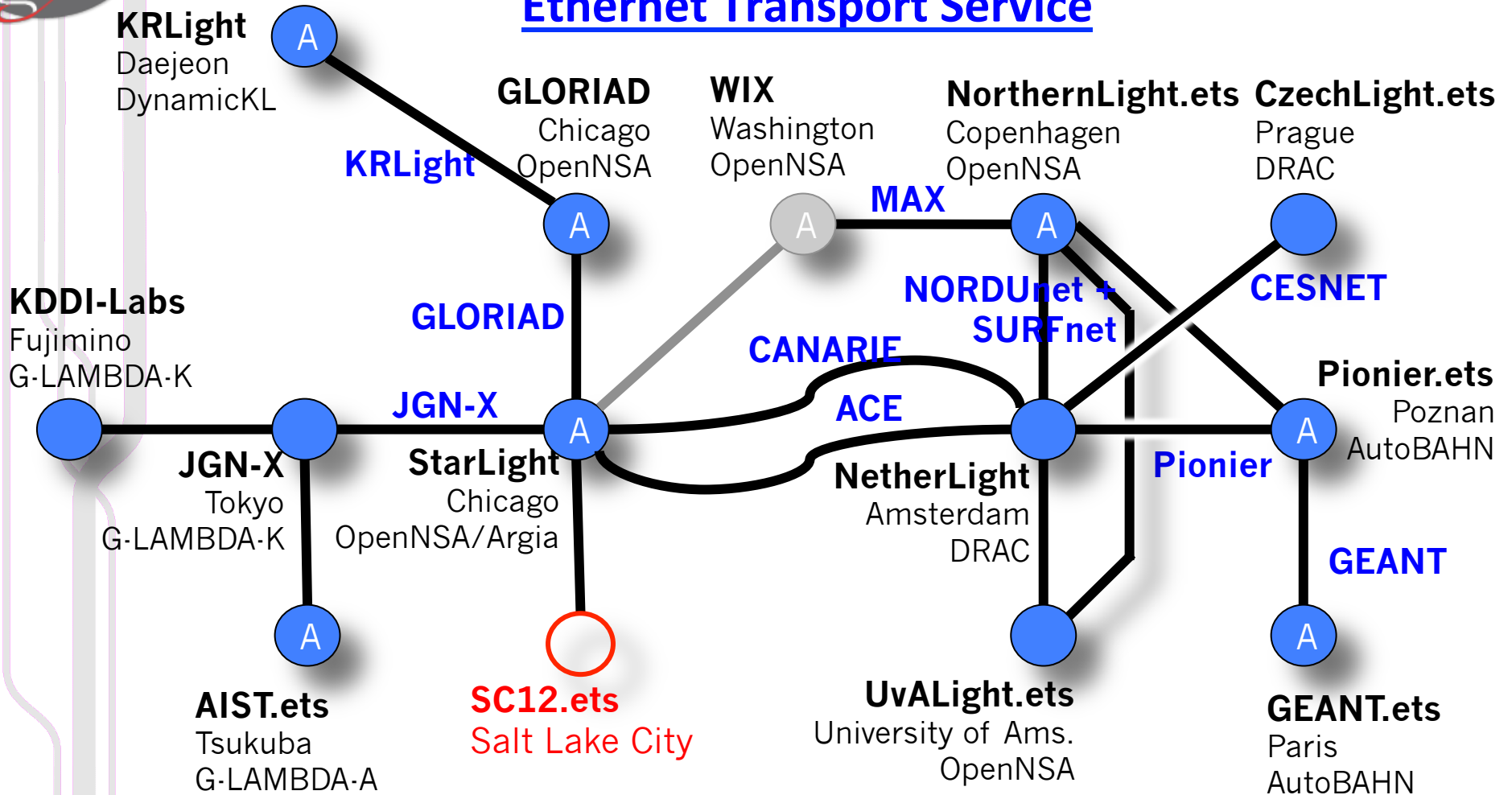
- The GLIF Automated GOLE global fabric

- The GLIF Automated GOLE Pilot was initiated in 2010 to provide a global fabric of Open Lightpath Exchanges for the express purpose of maturing the dynamic provisioning software, demonstrating the value of GOLEs to emerging network service models, and to develop a set of BCP for these services.

Demo Network 2012-11



Ethernet Transport Service

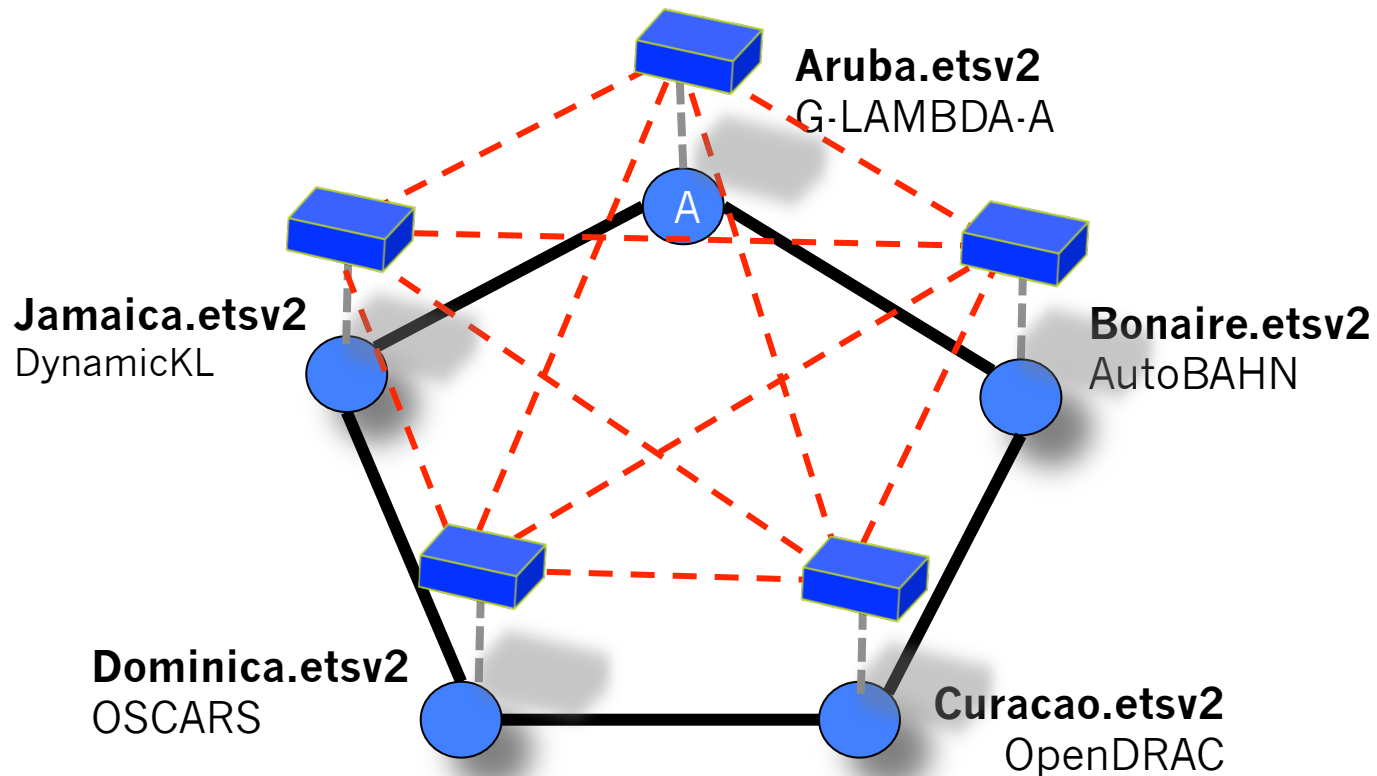






● NSI Networks ("A"=Aggregator)
— NSI peerings (SDPs) unless otherwise indicated these are vlans 1780-1783



Recommended Virtual Topology v2 Beta Test Fabric

Ethernet Transport Service v2

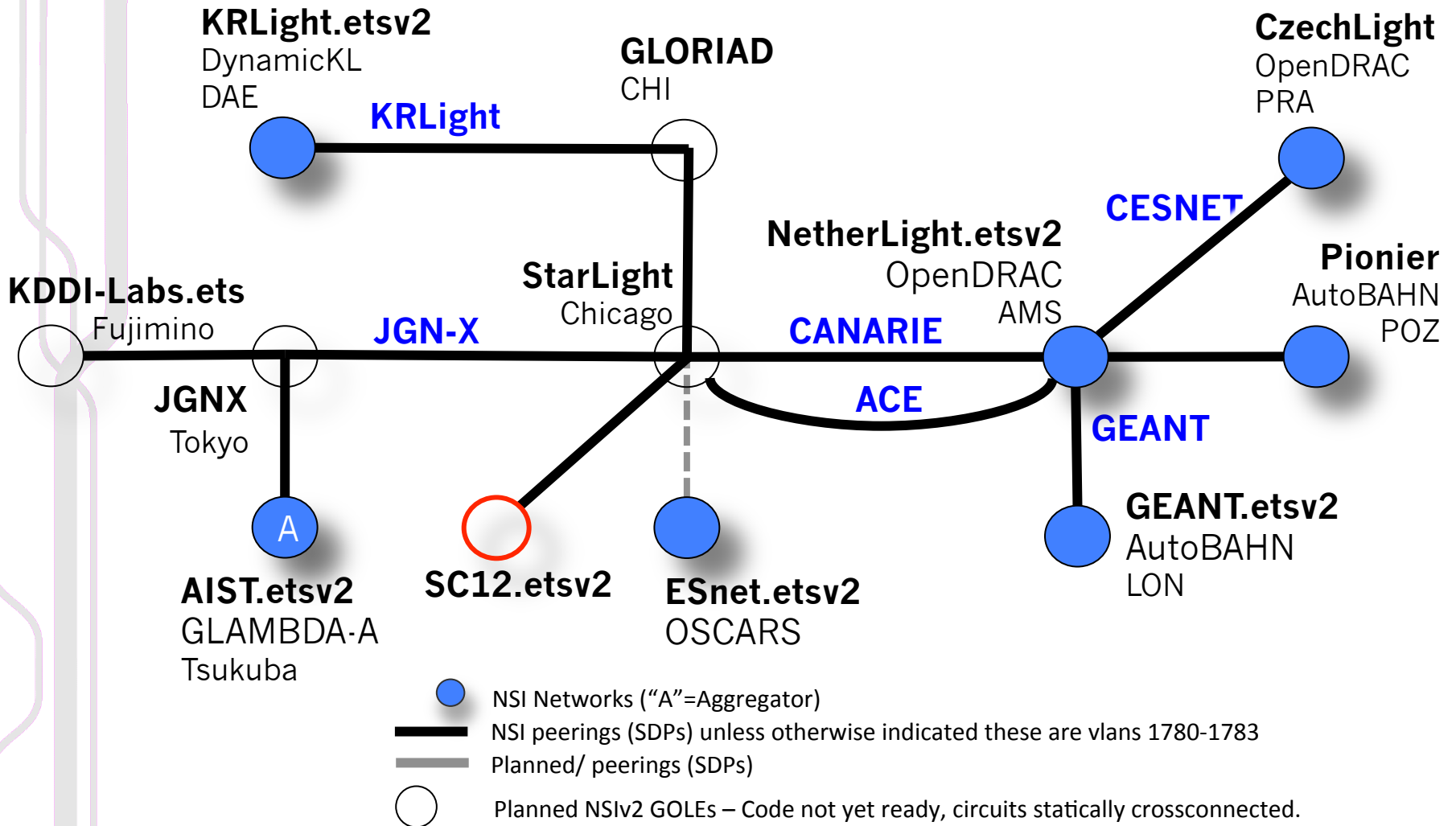


-  Network Services Agents
-  NSI Networks ("A"=Aggregator)
-  NSI peerings (SDPs) unless otherwise indicated these are vlans 1780-1783
-  Control Plane adjacencies.



Potential hdw based v2 Beta Test Fabric

Ethernet Transport Service v2

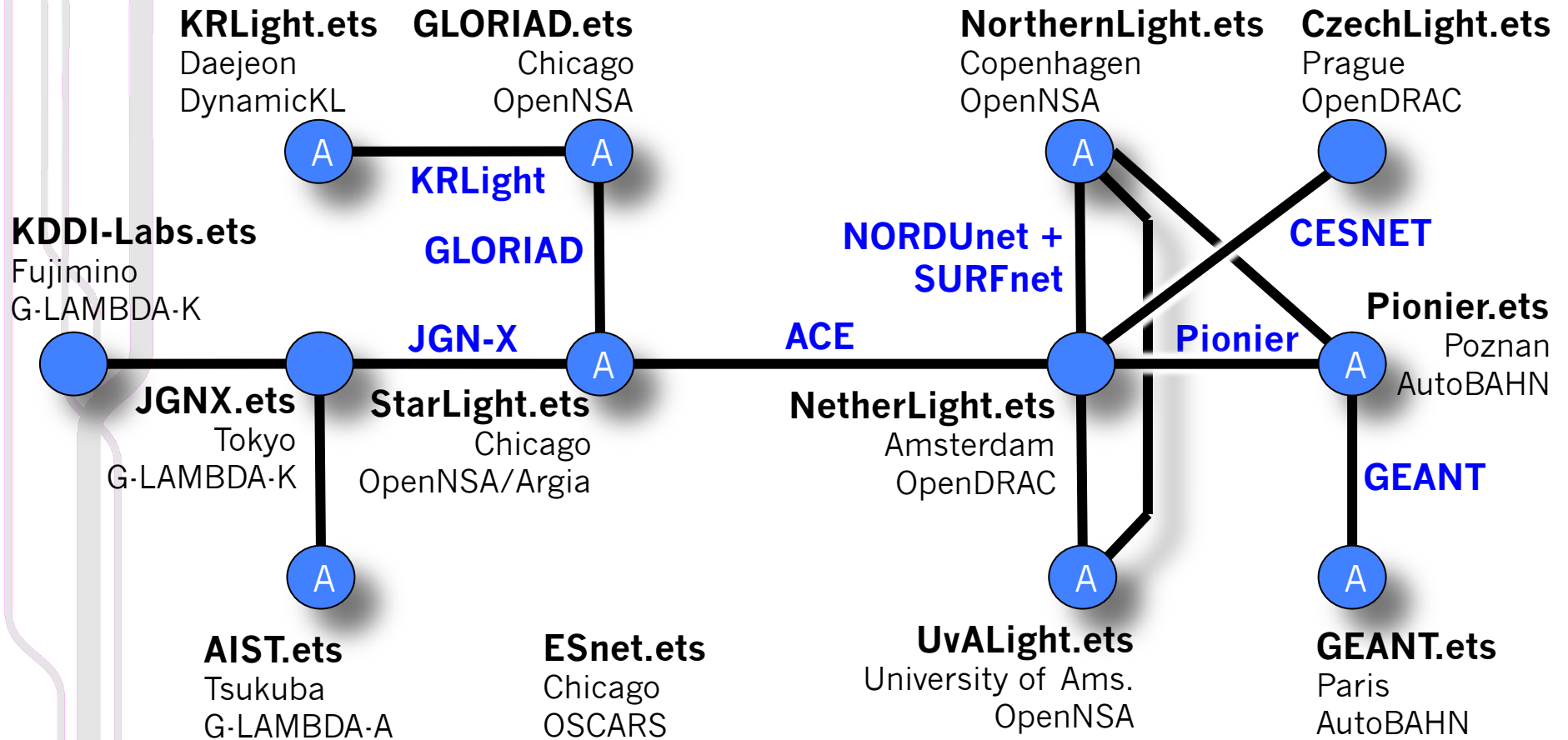




- NSI v1 deployed in 2011
- **NSI v2 (beta)**
 - In development now
 - Demos at SC 2012 Nov 2012
- NSI v2 Network Engineering Workshop
 - TIP 2013 Jan 2013



Ethernet Transport Service



- NSI Networks ("A"=Aggregator)
- NSI peerings (SDPs) unless otherwise indicated these are vlans 1780-1783
- In-progress peerings (SDPs) or GOLEs

