

Distributed Topology Exchange TF

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Importance of Topology

- Network automation depends on Topology , examples
 - Network Services Interface - Connection Service (NSI-CS)
 - Path Computation Engine (PCE)
 - Software-defined Networking (SDN)

Accomplishments

- DTOX ontology used for Automated GOLE demo SCI 1
- NML ontology with NSI extensions used for AutoGOLE at SCI 2
- Document describing distribution methods

Topology Distribution



Topology Distribution



Topology Distribution



TS

Time for rechartering

- DTOX has been able to show the need for topology exchange
- has supported the creation of a topology representation
- has performed a questionnaire to find community opinion

Time for action

- Start showing that this is actually possible
- Stake in the ground for AutomatedGOLE demo:
 - Topology Distribution demonstration at GLIF Singapore & SCI3
 - multiple implementations and approaches welcome