NCAR Networking Overview

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Networking Overview

- Supercomputing LAN network 10G and 1G
- Catalyst 6509 core with Nexus 5000 access switches
- 10G WAN connection to FRGP in Denver
- Front Range GigaPop (FRGP)
  - 10G to Internet2
  - 2x10G to NLR
  - Current path to COLA (cola.iges.org) via NLR
WRN services vs. FRGP services
proposed 2010-10-22, Pete Siemsen

1. Protects FRGP against a failure of WRN switch 1 or 2 in Denver
2. Saves money on Level 3 by sharing with UNM
3. Allows WRN transit VLANs through WRN switches without touching FRGP gear
4. Allows potential commercial traffic to transit WRN without touching FRGP infrastructure