

NCAR Networking Overview

Marla Meehl – Manager of NETS

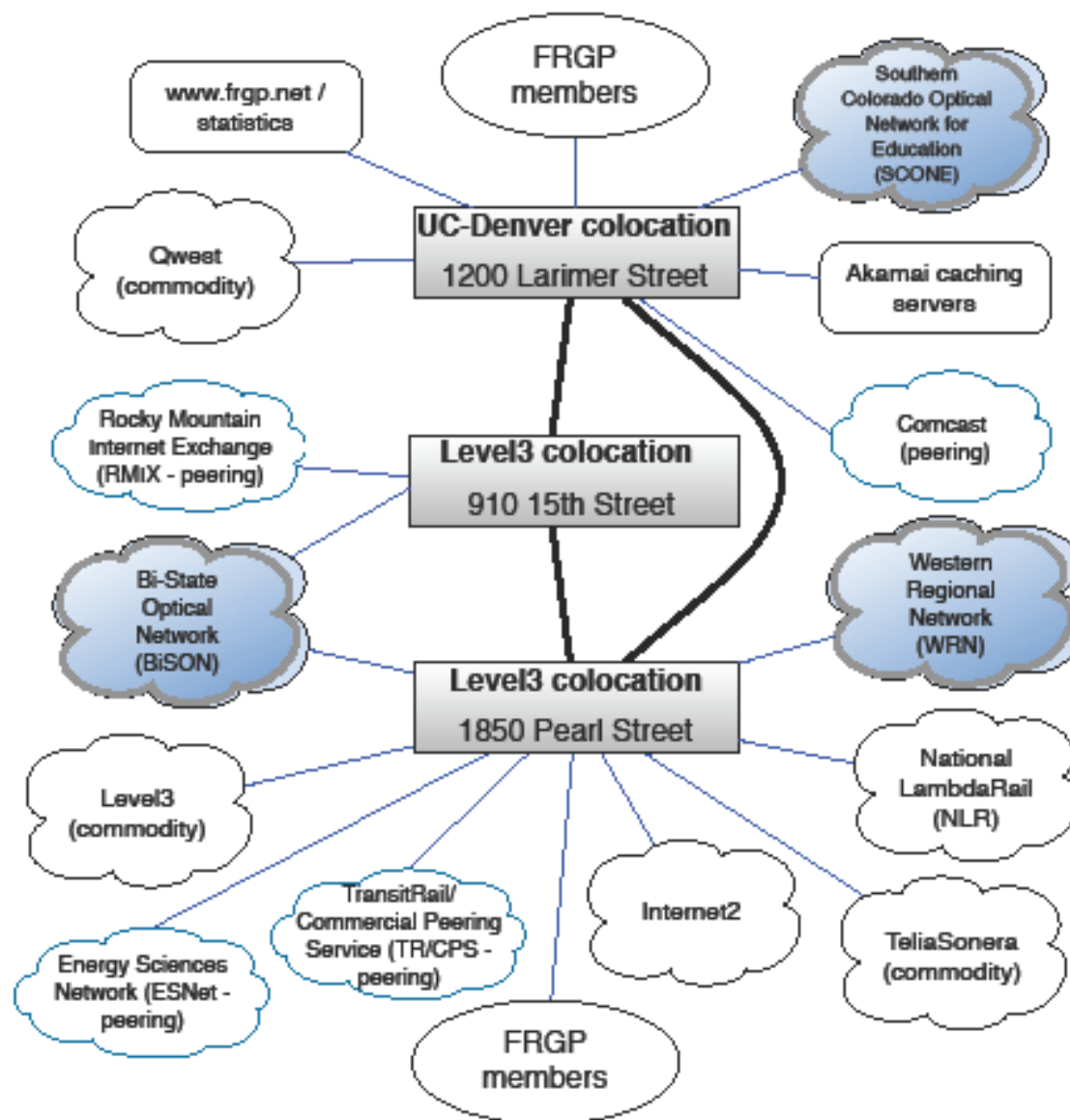
David Mitchell – Senior Network
Engineer

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

Front Range GigaPoP (FRGP) - member and service connection overview

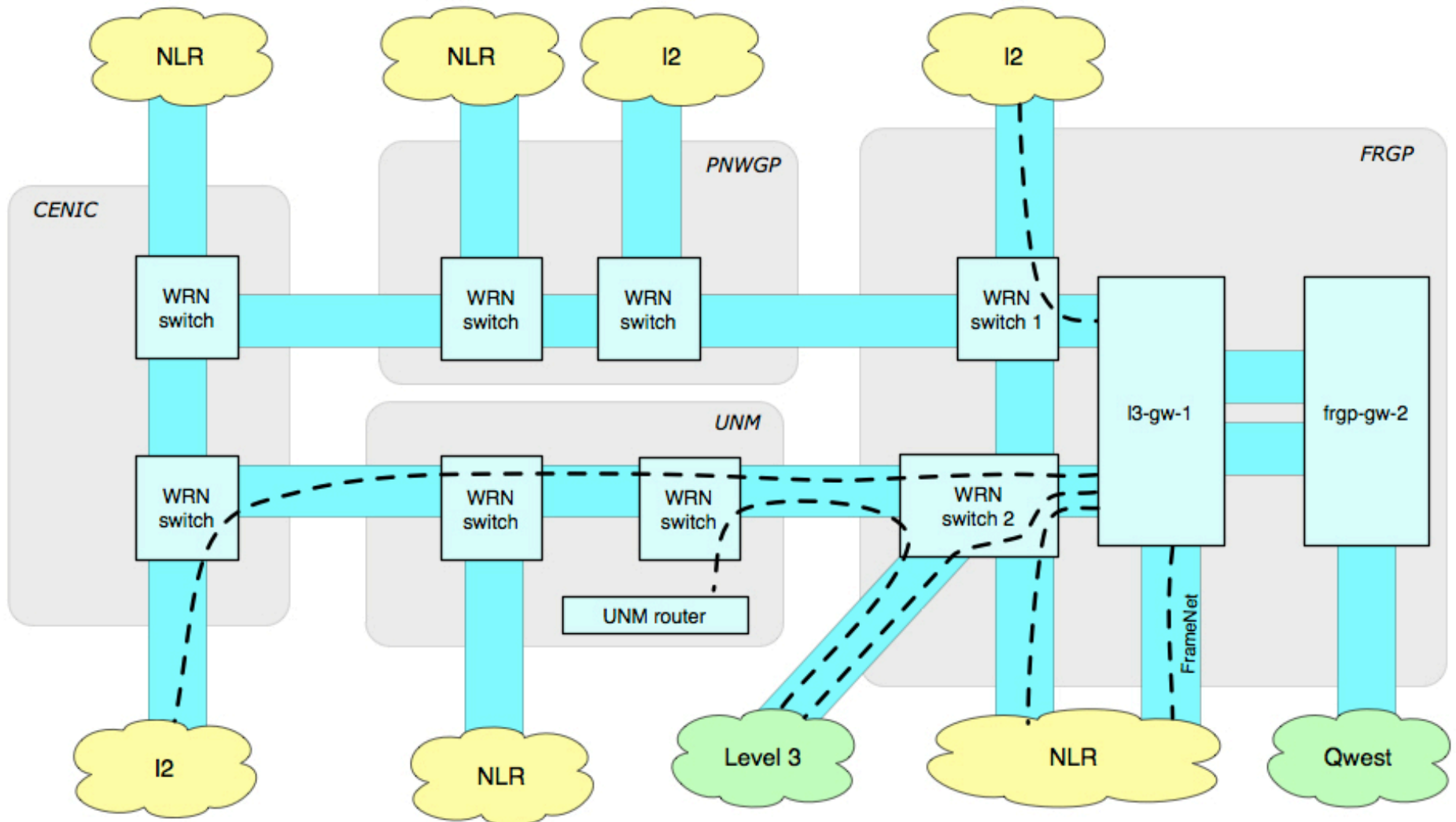
<http://www.frgp.net> 2010-12-29 (JC)



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



Bi-State Optical Network (BiSON)

