

What is VT-Rnet?

(and how to get one)

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VT-Rnet

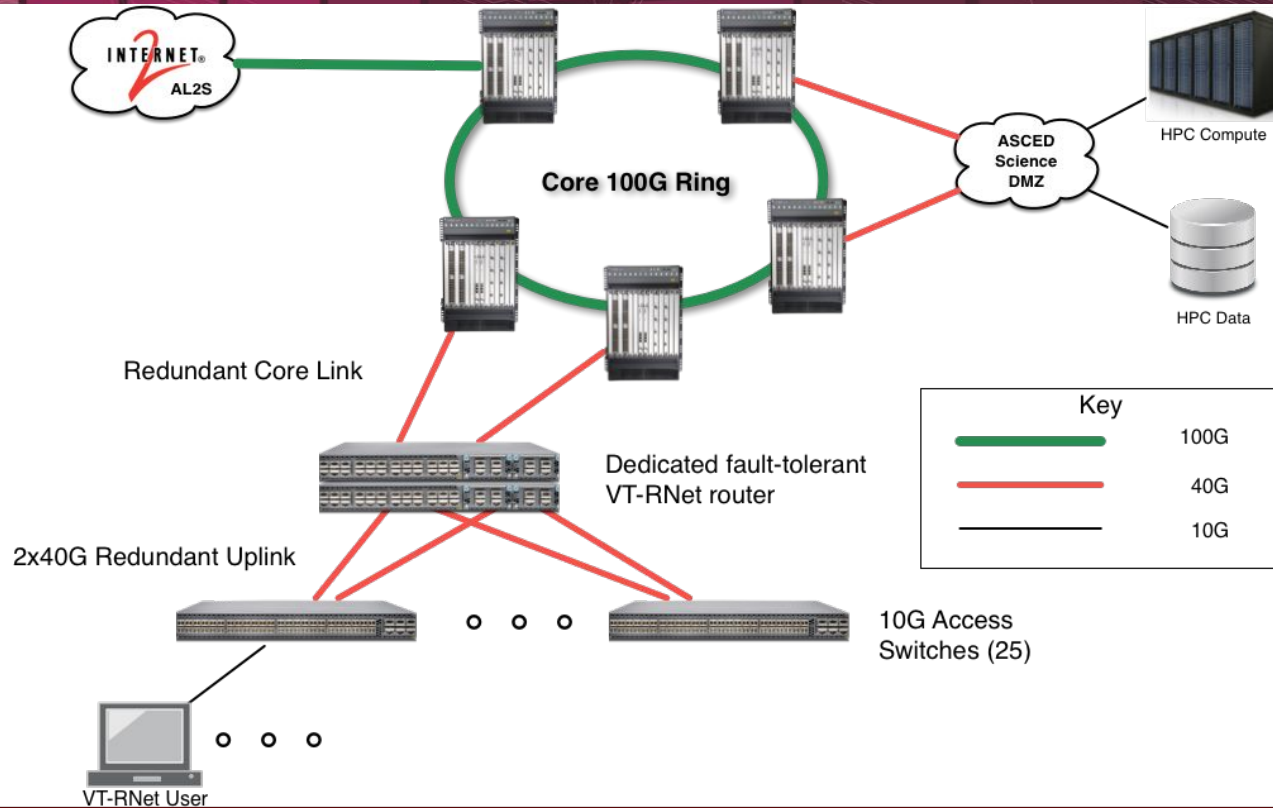
VT-Rnet: 10 Gbps pilot network for research/instruction

- Funding from NSF CC-DNI grant and Division of IT
- Subsidized connections for 5 years; final awards this year
- In final year of 2 year project

Goals

- Improve competitiveness (especially grants and scholarship)
- Facilitate instruction (especially data intensive)
- Gain experience (“working the kinks out”)

Architecture



Status

- Delivered connections
 - Torgersen: five
 - Kelly Hall: two
 - Latham Hall: one
 - Cheatham Hall: one
 - Goodwin Hall: two
 - Derring Hall: one
- In-process connections
 - Newman Library: three
 - AISB: two
- Potential connections
 - Many rumors, no new proposals... yet! :-)

No new awards once funds are gone, so remind faculty to get their proposals turned in quickly.

Application Process

1. Faculty: discuss their needs with us (optional)
2. Faculty: follow RFP and submit short proposal
3. Review committee: evaluate proposal
4. Faculty: fill out MOU, sign, and get head's signature
5. *Network liaison: submit MOU and ICR*
6. NI&S: obtain remaining signatures; return final MOU
7. NI&S: deliver 10G connection
8. Faculty: report problems to 4HELP; NI&S/ARC: help

RFP

<http://www.arc.vt.edu/vt-rnet/rfp/>

- Needs discussion of research/instruction impact
- Not meant to be “NSF-grade” (3-pages max)
- Limited to where NI&S provides network services
- Brief thrice yearly report
 - Faculty can help us help them by providing info for NSF
 - What it was used for... (a paragraph or two of narrative)
 - What papers/grants/instruction? (lists are fine)
 - Not meant to be a chore (don't over-think, but please do)

Review Criteria

- Research or instructional needs
 - Can't be used to avoid port charges
- Justify needs require a connection
 - Will scholarship/instruction benefit?
 - Good but succinct description of specifics supporting need is important
 - Will it increase competitiveness?
 - Enables research, supports grants, facilitates instruction...
- Connection is feasible
 - Already feasible for most buildings on Blacksburg campus
 - May be feasible elsewhere if NI&S provides network service (e.g., some CRC buildings)

MOU

<http://www.arc.vt.edu/vt-rnet/mou/>

- ARC / NI&S will:
 - 10 Gbps connection for price of 1 Gbps (\$15/mo)
 - Duration: five years from project start (2016-10-22)
 - SLA: business hours, best effort
- Faculty will:
 - Use it for scholarship and instruction
 - Brief reports three times a year
 - Assist us in learning how to support such networks

Questions?

- URLs
 - Main page: <http://www.arc.vt.edu/vt-rnet/>
 - RFP: <http://www.arc.vt.edu/vt-rnet/rfp/>
 - MOU: <http://www.arc.vt.edu/vt-rnet/mou/>
- User group: vt-rnet-user-g@vt.edu
- Email: mkg@vt.edu