



NSF Campus Cyberinfrastructure PI and
Cybersecurity Innovation for Cyberinfrastructure PI Workshop
October 3-4 | Albuquerque, New Mexico

NSF Program : CC*

Program Area: Networking Infrastructure **Award Number:**
1659331

PI: Ron Hutchins

Project Title: Scalable Secure Science DMZ for Academic and Clinical
Research at the University of Virginia



Ron Hutchins

Title: VP-IT

Organization: Office of the VP for IT
University of Virginia

Email: rrh8z@virginia.edu



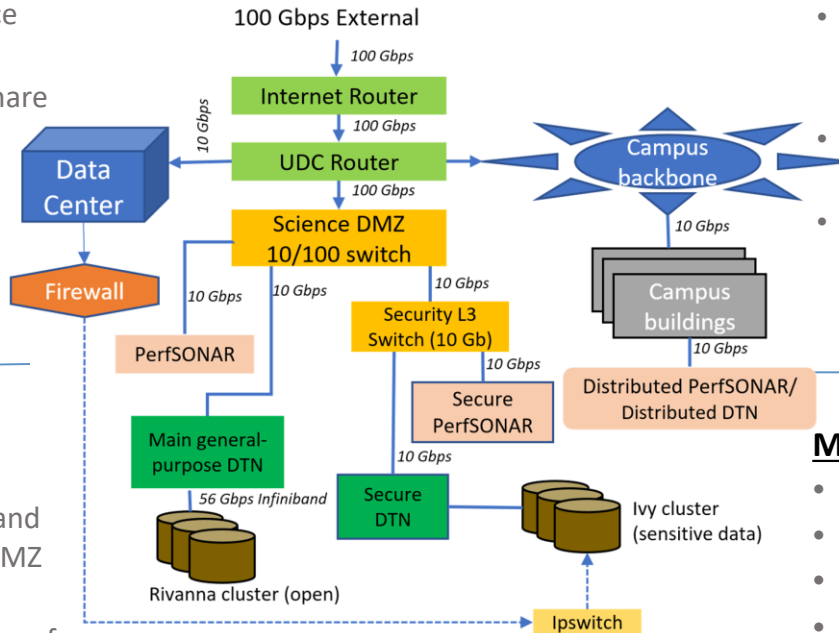
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Secure Science DMZ for Academic and Clinical Research at the University of Virginia

Challenge:

- Campus network performance burdened by Firewalls
- Primary need: transfer and share data quickly, securely
- Other needs: secure storage, data accessibility



Broader Impact:

- Eliminate network bottlenecks to support research with high-throughput data needs
- Enhance security for data storage and transfer
- Improved performance monitoring and response

Solution:

- Upgrade network capacity and configurations to support DMZ functionalities
- Distributed DTNs for data transfer between nodes across campus
- Data paths isolation

Metadata tag:

- *Campus Science DMZ*
- *Distributed DTN*
- *Open to collaborations*
- *Community best practices exchange*
- www.vpit.virginia.edu