



NSF Campus Cyberinfrastructure PI and Cybersecurity Innovation for Cyberinfrastructure PI Workshop

September 23 – 25, 2019 | Minneapolis, MN

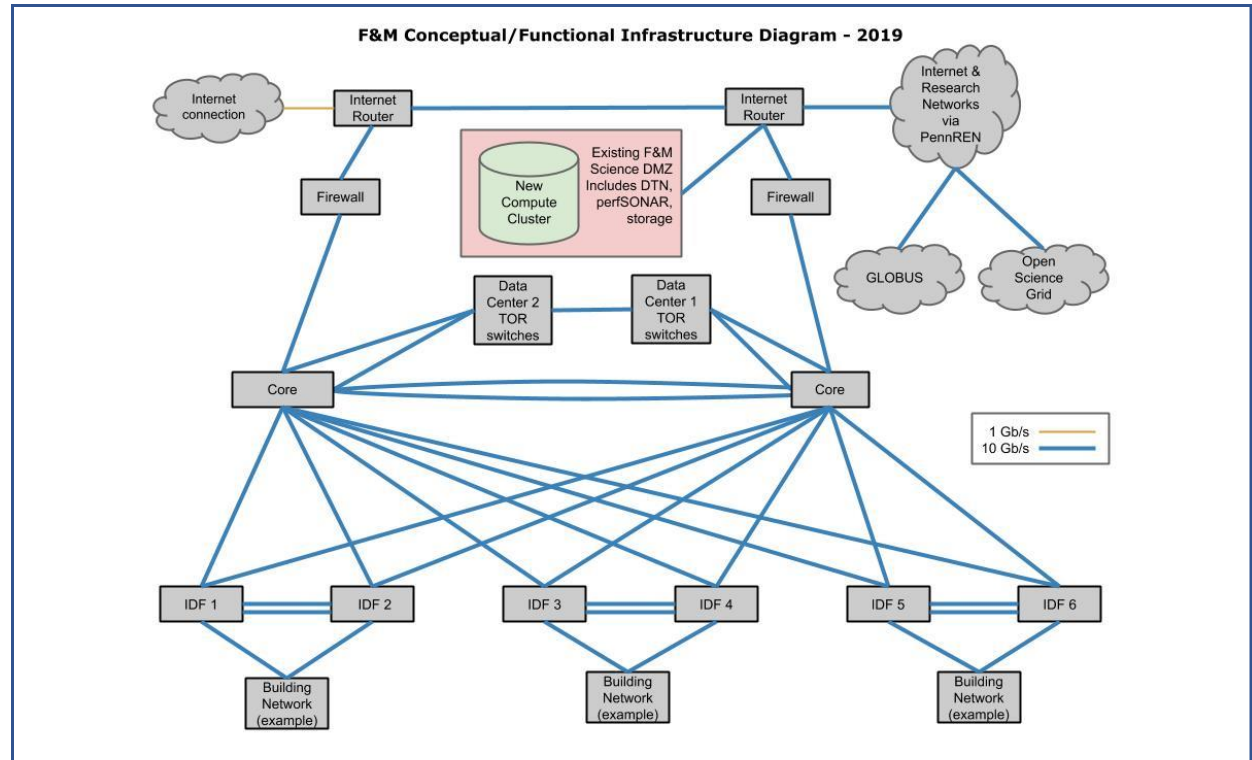
Quad Chart for: Building a state-of-the-art campus compute resource at Franklin & Marshall College

Challenge Project Seeks to Address:

- Provide much needed local compute nodes for F&M's researchers and students, provide HTC & HPC
- Create new opportunities in faculty-mentored research for our students
- Share our unused compute cycles and leverage unused compute cycles when needed
- Build a sustainable starting point for ongoing growth and investment

Deliverables:

- 12-node compute cluster, maximized to support HTC and HPC
- 38TB usable SSD storage presented via NFS to compute nodes
- 2 nodes dedicated to higher memory jobs
- Housed in our Science DMZ, accessible to Globus and available via the Open Science Grid



Broader Impact:

- Allow F&M to further deliver on its commitment to educating academically talented students, often underrepresented in the sciences, by providing genuine top-tier research experience to undergraduates
- Attract, retain and provide necessary infrastructure that brings high caliber scientific researchers to our small liberal arts college

Metadata tag:

- *#learning OSG*
- *#transitioning to shared resource strategy*
- *#advice on getting multiple bids?*