



OARnet

An OH·TECH Consortium Member



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Panel Discussion: CC* Project Sustainability

2018 NSF Campus Cyberinfrastructure and Cybersecurity
Innovation for Cyberinfrastructure PI Workshop



NSF Project Title:

Transforming a Regional Network and the Regional Community to Serve Diverse and Emerging Research Need

NSF Award #1440450

Three Key Goals

1. Host a series of workshops focusing on enabling Science and Science DMZ, workshop series include perfSONAR, Operating Innovation Networks and a workshop creating OARperf, a regional forum to support advanced networking efforts
2. Deploy perfSONAR widely throughout OARnet at both backbone and campus locations
3. Build a network of a “Coalition of the Willing” to support ongoing community support of one another; OARperf



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Science Drivers

- Ohio has huge medical research facilities; significant aerospace and materials research efforts
- State Government has recognized potential and invested in 100G architecture





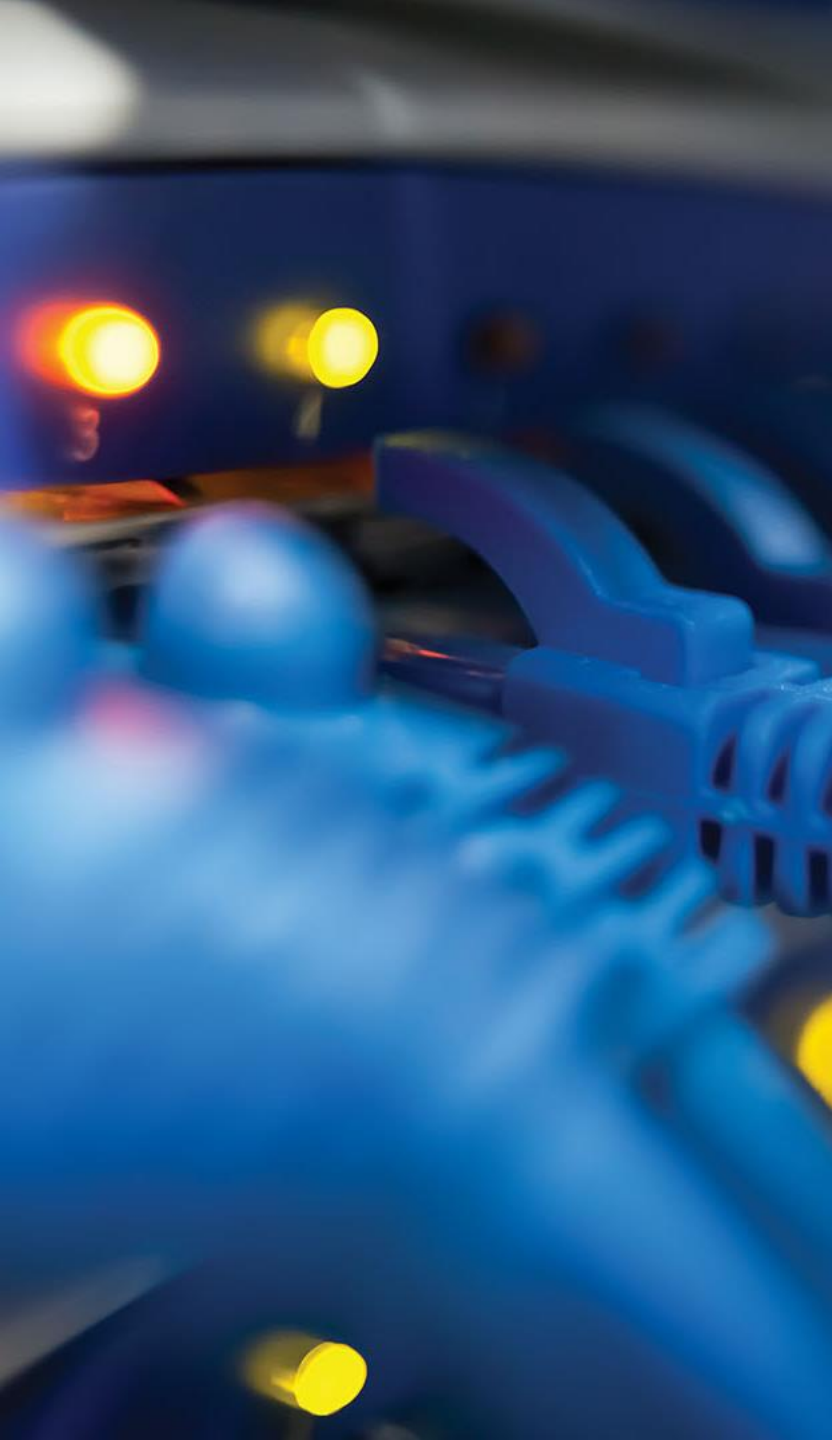
Goals and Outcomes

Goal 1: Host a series of workshops focusing on enabling Science and Science DMZ, workshop series include perfSONAR, Operating Innovation Networks and a workshop creating OARperf, a regional forum to support advanced networking efforts.

Held 3 workshops

1. Focus Technical Workshop at OARnet: “perfSONAR Deployment Best Practices, Architecture, and Moving the Needle”
2. Operating Innovation Network cosponsored with 3ROX and University of Pittsburgh
3. Refresher and New Users Workshop: adjunct activity to OARtech
 - *Outcome was establishing OARperf, fulfilling Goal 3*





Goals and Outcomes

Goal 2: Deploy perfSONAR widely throughout OARnet at both backbone and campus locations

perfSONAR is widely deployed in approximately 30 locations across the OARnet network





Goals and Outcomes

Goal 3: Build a network of a “Coalition of the Willing” to support ongoing community support of one another

Creation of OARperf

- First OARperf meeting was held on February 27, 2016
- Most recent meeting on September 19, 2018
- Group meets quarterly and is led by OARnet Performance Engineer, Cody Smith





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