College Immersion: An Educator’s View

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10/18/2016
Where we are?
About Us

• Labs
  – Clarkson Open Source Institute (COSI), Internet Teaching Lab (ITL), Virtual Reality Lab (VR)
  – Student-administrated
  – Maintain networks, servers, software, hardware
  – Official mirrors for Linux Distros (~1TB/day traffic)
  – Host GNU software and Linux kernel
  – Work on a variety of projects
Student-Maintained Server Room
Our Wish

• Build a dedicated and open networking lab
  – Diverse network devices
  – Hands-on network operations
  – Various training/research opportunities
  – routing, security, algorithms, measurements and protocols
• Our goal matches well against NANOG’s mission
• We are very positive to be involved in the NANOG community
• However, we have limited resources unless...
What Can You Do at NANOG?

• Tell your network operation stories
• Share your industrial experiences
• Introduce job/intern opportunities
• Sign up and present in our career fairs
• Provide project ideas, follow up or supervise
• And more as follows...
Share Data

• For you, mission accomplished when data is delivered to customers
• For us, efforts just get started with collected data
  – Research traffic patterns/user behaviors
  – Study security issues
• Offer your traffic trace, routing information
  – NDA (Non-Disclosure Agreement)
  – Anonymization
• Potential outcomes: insightful discoveries - Master theses, PhD dissertations, high-quality publications
Donate Equipment

• For you, maybe junk to throw away
• For us, treasures for students to play with
• Offer used routers, switches, servers, even modular data centers...
• Or offer new products for us to try out
• Potential outcomes: students engagement and hands-on skills, or even your certificates
Offer $$

• For you, small amount of money
• For us, great favor to support students and research
• Fund a course/lab, e.g., *Network Operations*
• Establish Scholarships/Research Grants
• Potential outcomes: cutting-edge technologies and new workforces to the NANOG community
Final Words

• Sorry if I have asked too much 😊
• By no means a criticism, but appreciation to the college immersion program and NANOG
• A cornerstone to initiate a more productive discussion
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Thank You!