

# SC24 SCinetArchitecture

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**SC24**

Atlanta, GA | hpc creates.

# Technical goals

1. Multi ASN architecture
  - SCinet high speed conference network
  - SCinet Science DMZ
    - a. Firewall testing
    - b. DTN node and testing
2. SCinet Cluster Pilot
3. Continue IPv6 adoption

Total Bandwidth: 8.71 Tbps

# SCinet

Network Architecture  
30 October 2024

Adam Bertsch  
SCinet Architecture Chair

- 10 Gigabit Ethernet
- 25 Gigabit Ethernet
- 100 Gigabit Ethernet
- 400 Gigabit Ethernet
- 800 Gigabit Ethernet
- Optical Line System



- Wi-Fi Access Point
- WAN
- Edge/Wireless
- Dev/Ops
- Security

