IST Labs Infrastructure

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About Me

Info about the labs

- 12.5 labs
  - Net/Projects/Sys
  - Small/Medium/Large
  - Open
  - Mac Lab 1 & 2
  - Open
  - Usability
  - Security Lab
  - ….Airgap?
- Cage
- Datacenter

Internal IP Addressing

- Every lab gets it's own /24
  - Example: NetLab - 10.140.100.0/24
  - Exception: SysLab - 10.150.100.0/23
- Servers
  - 10.200.200.0/24
- Backbone
  - 10.255.X.X

External IP Addressing

- Started as just two IPs
- NAT was added
    - Example: 10.80.100.0/24 -> 129.21.26.212

Networking

- OSPF
- Each lab's GW is a VLAN interface
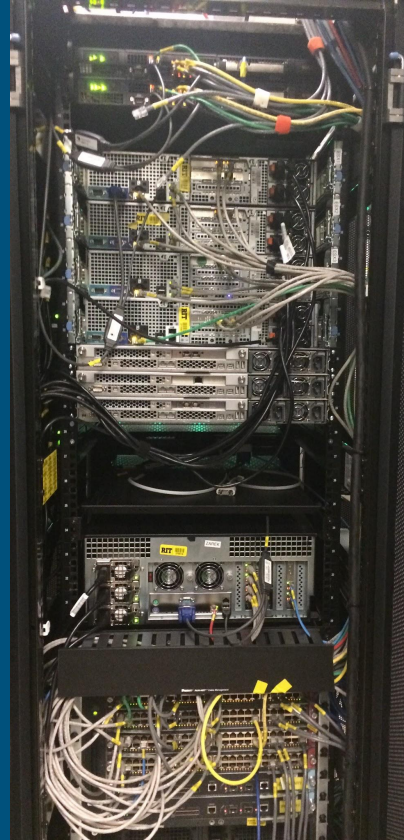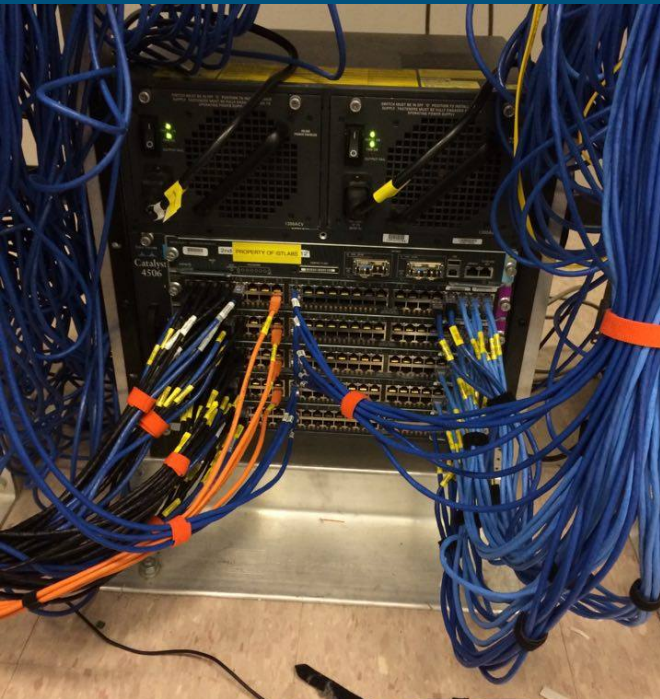- Point-to-Point links between switches

Topology/Servers

- [Easier to show you](#)

Physical Gear

- Data Center
  - 3 Hypervisors (R510s/64GB)
  - 2 File Servers
  - 1 Mac server
  - 2 Firewalls
  - 1 6506
- Network Closets
  - 1 6509
  - 1 4506
  - 1 2960
- SysLab
  - 1 6509

Keeping It Organized

Image

- One image to rule them all

Services

- AD/DHCP/DNS
  - Redundant
- Altiris
- Deployment Studio
- File
- Web
- Print
- WSUS

Questions?