

University of Minnesota IPv6 Addressing Plan

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Campus Network

Gopher GigaNet

- ~70,000 Access Ports of GigE(10/100/1000)
- ~4000 Cisco 3750 Switches
 - Access and Distribution
- ~25 Cisco 6509-NEB-A, Sup720-3BXL
 - Core and Border Routers
- MPLS enabled Core Network
 - L3 VPNs used to create logical networks

IPv6 Addressing Plan

- Green Field – Start Over
- ~20 Subnet (VLANs) Access Routers
 - ~20 to ~200 Subnets (VLANs) per route
- Sparsely Assign /56s to each Router
 - 256 Routers with 256 Subnets each