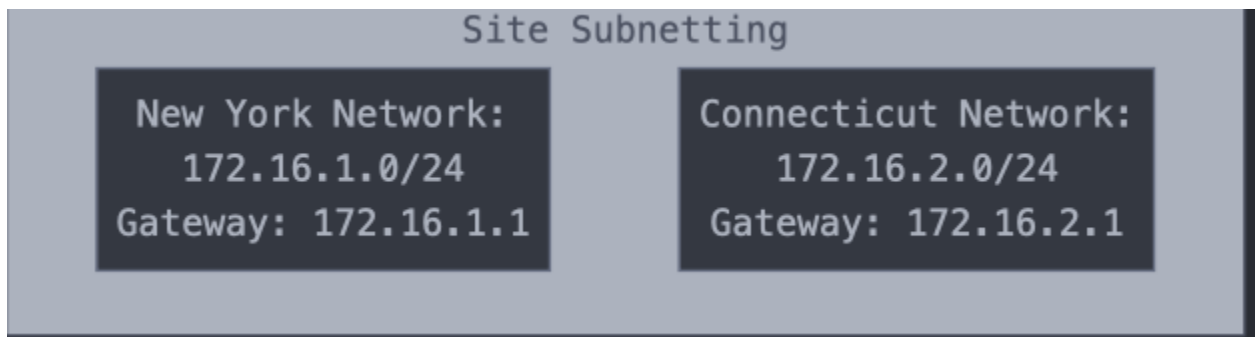
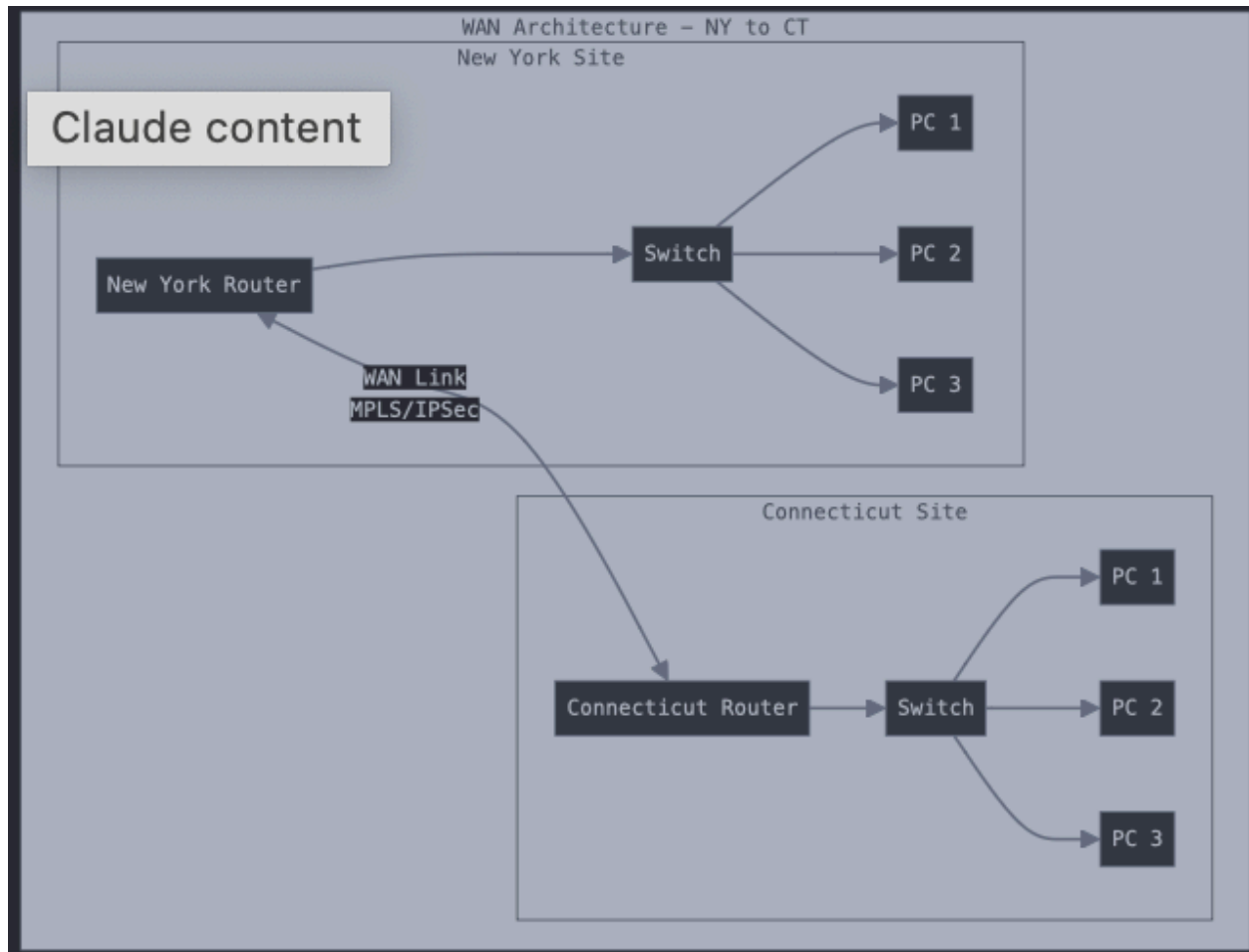


Subnetting:



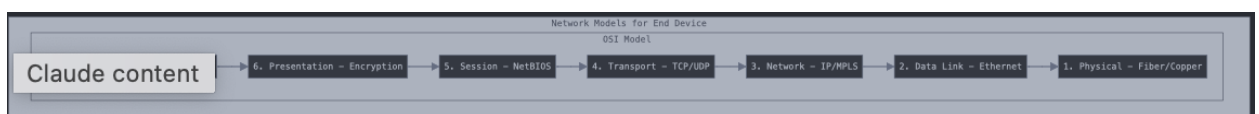
- New York: 172.16.1.0/24 network
- Connecticut: 172.16.2.0/24 network
- Separate subnets for each location
- Class B private addressing scheme

WAN Topology:



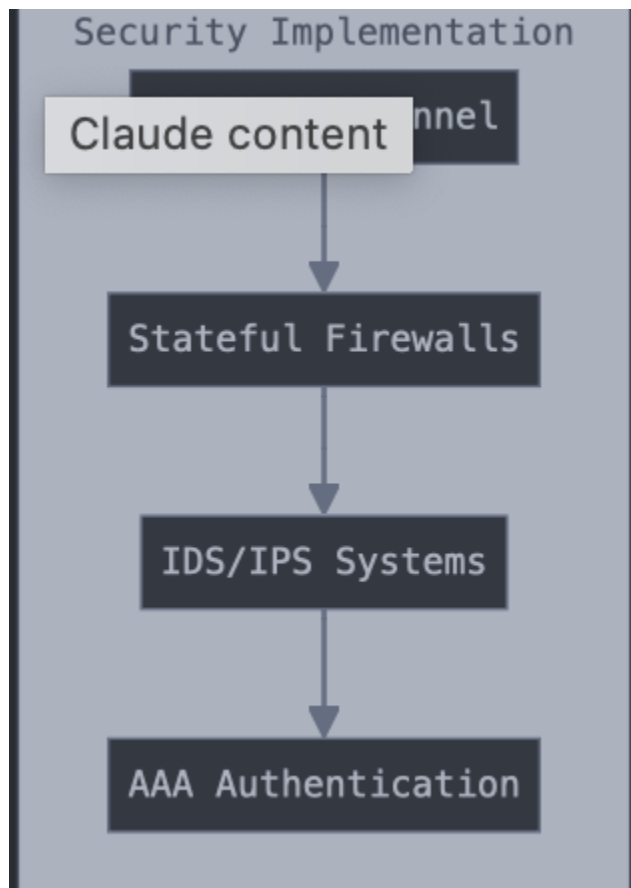
- New York and Connecticut sites connected via MPLS/IPSec
- Each site has a router, switch, and end devices
- Hierarchical design for scalability

OSI & Network Models:



- All 7 OSI layers with specific protocols
- Focus on WAN-specific protocols (MPLS, IPSec)
- Layer-appropriate security measures

Security Architecture:



- IPSec VPN tunnel between sites
- Stateful firewalls at each location
- IDS/IPS for threat detection
- AAA authentication for access control