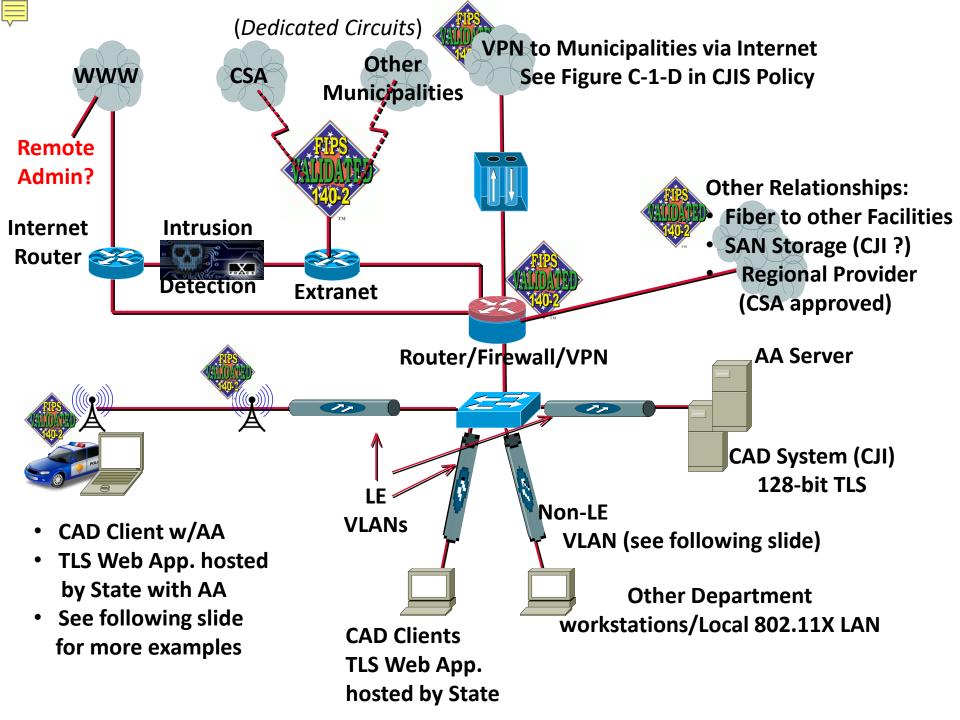
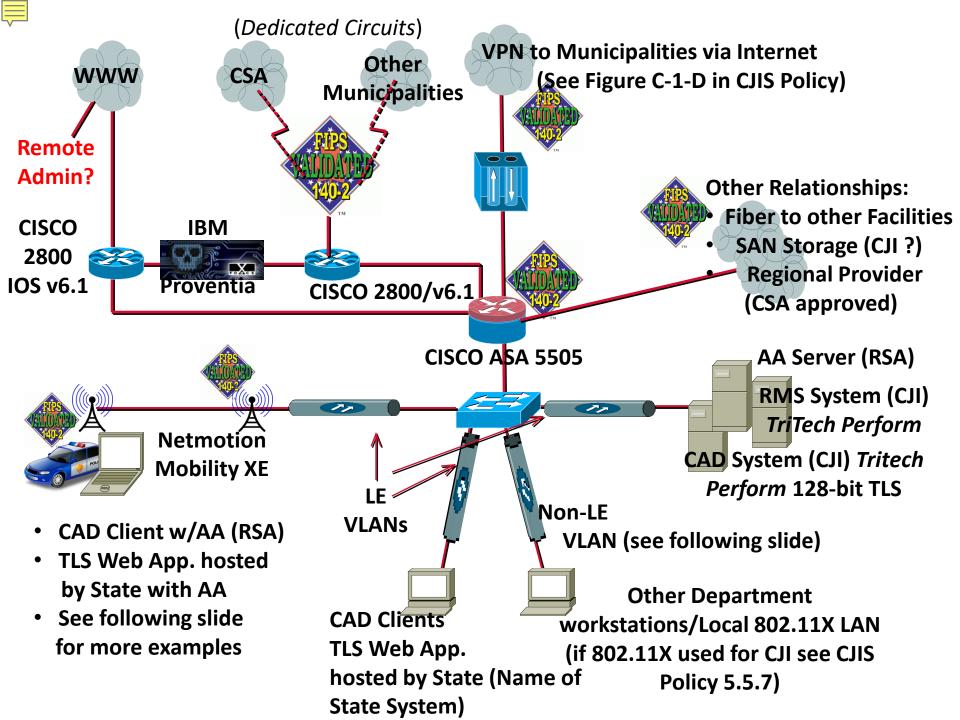
Sample Diagram



What we would like to see



VLANS

5.5.7.1 All 802.11x Wireless Protocols

Segregate, virtually (e.g. virtual local area network (VLAN) and ACLs) or physically (e.g. firewalls), the wireless network from the operational wired infrastructure. Limit access between wireless networks and the wired network to only operational needs.

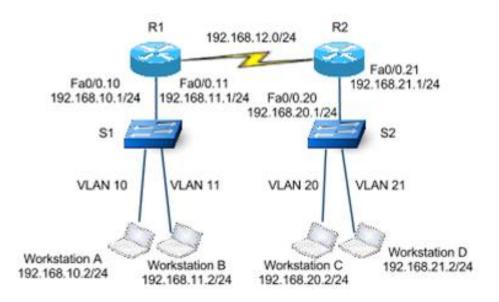
5.10.1.4 Voice over Internet Protocol

VoIP can be installed in-line with an organization's existing Internet Protocol (IP) services. Among VoIP's risks that have to be considered carefully are: myriad security concerns, cost issues associated with new networking hardware requirements, and overarching quality of service (QoS) factors.

In addition to the security controls described in this document, the following additional controls shall be implemented when an agency deploys VoIP within a network that contains unencrypted CJI:

- 1. Establish usage restrictions and implementation guidance for VoIP technologies.
- 2. Change the default administrative password on the IP phones and VoIP switches.
- 3. Utilize Virtual Local Area Network (VLAN) technology to segment VoIP traffic from data traffic.



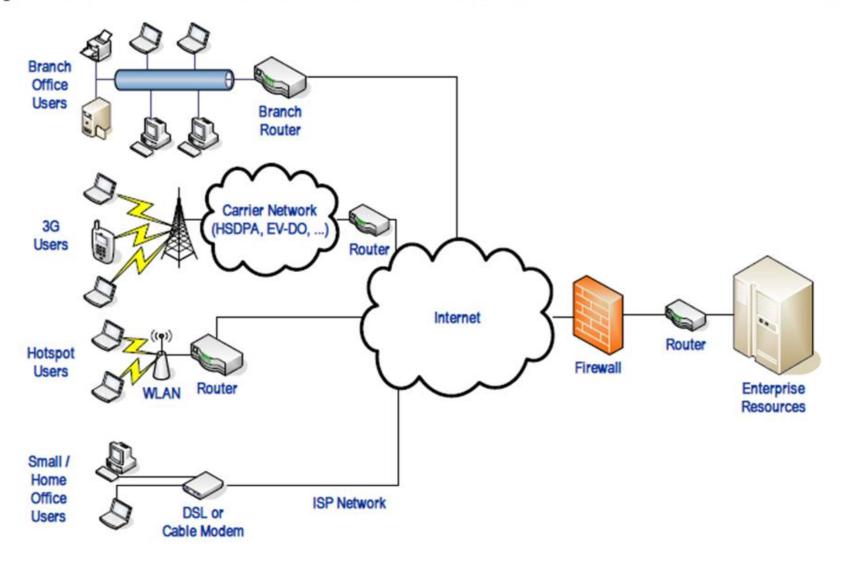


On R1, construct and apply an ACL on int S0/0 that denies traffic from Workstation C's IP address.

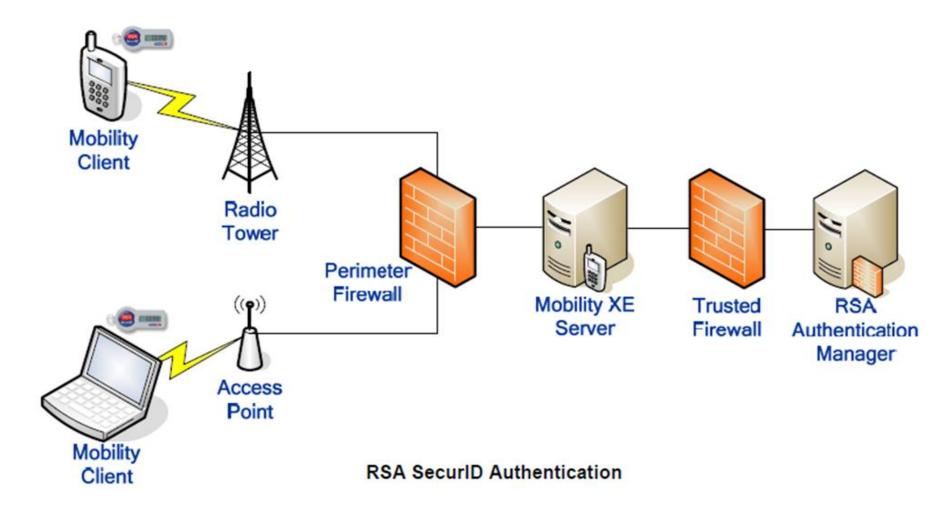
On R1, construct and apply an ACL on int F0/0.10 that denies any traffic on TCP ports 139 and 445. All other traffic should be permitted. On R2, construct and apply an ACL on int F0/0.21 that permits traffic from any host to subnet 192.168.21.0/24 on TCP ports 80, 443, 20, and 21. Likewise the ACL should permit traffic from Workstation A to subnet 192.168.21.0 using ICMP and TCP port 3389. All other traffic to subnet 192.168.21.0/24 should be denied.

Mobility XE examples

Multiple WWANs from different cellular carriers are often needed to cover the entire service area.

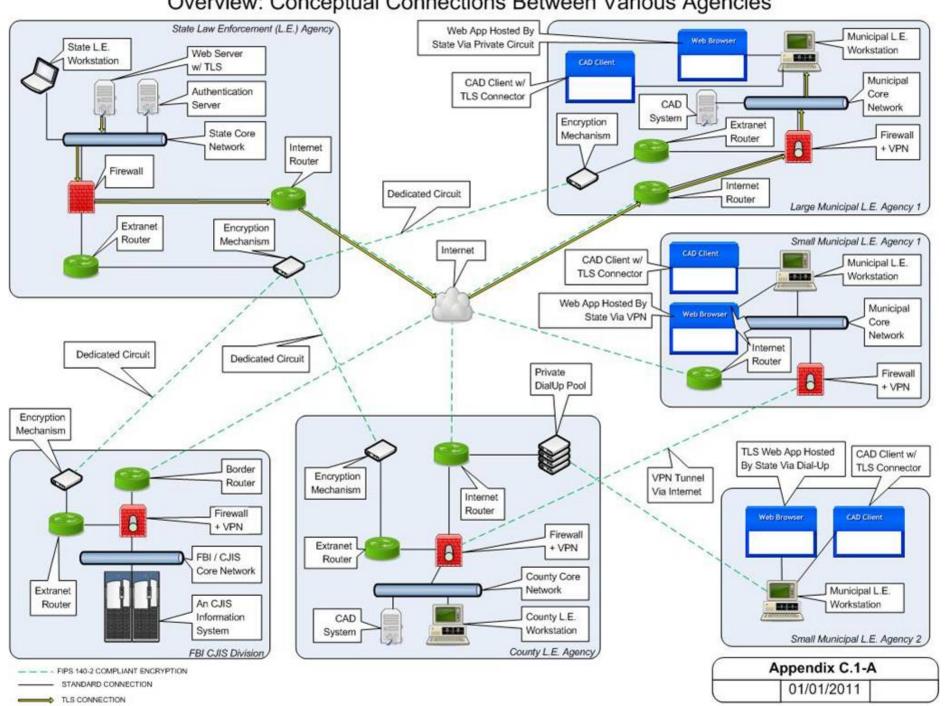


Multiple Networks

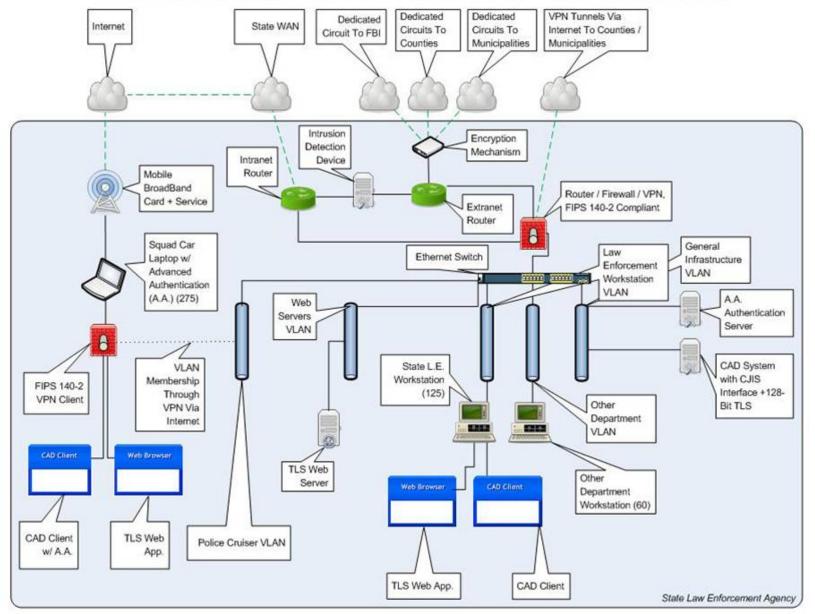


More Examples from CJIS Policy

Overview: Conceptual Connections Between Various Agencies



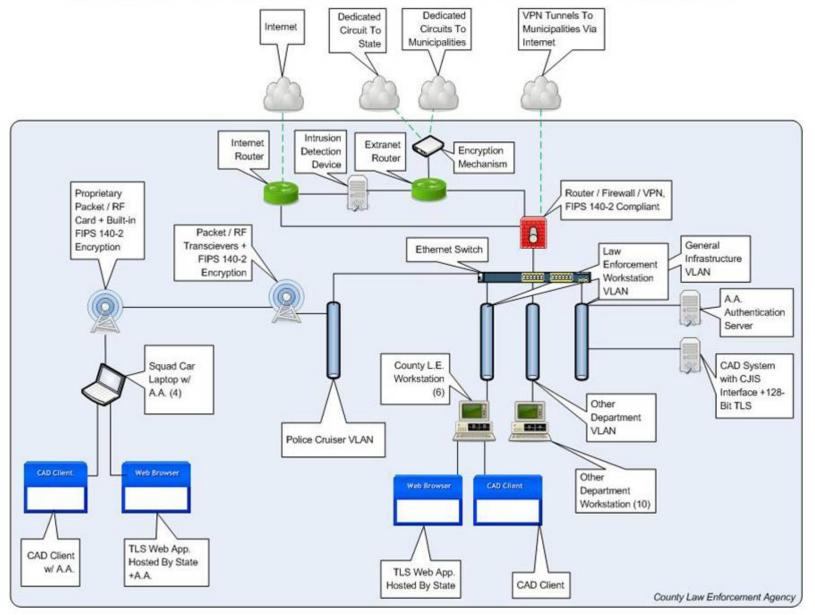
Conceptual Topology Diagram For A State Law Enforcement Agency



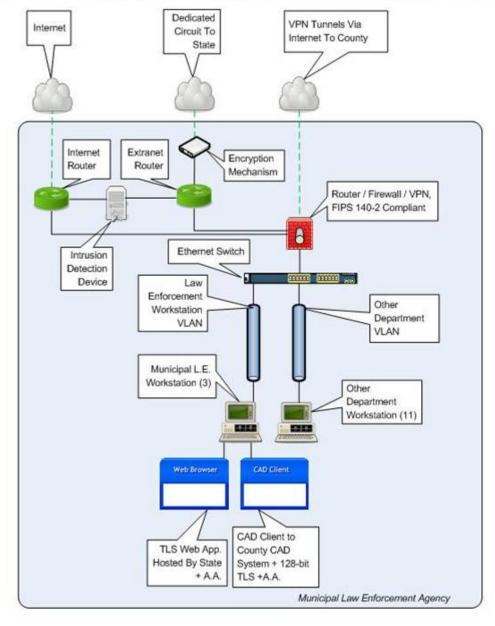
Appendix C.1-B

01/01/2011

Conceptual Topology Diagram For A County Law Enforcement Agency



Conceptual Topology Diagram For A Municipal Law Enforcement Agency



ICONS

Icons: Cisco Products



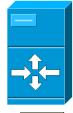
Router-Color and subdued



Router w/Silicon Switch



Workgroup Director



Server with **PC** Router



100BaseT Hub





Network



Software-



uBR910 Cable DSU



Wavelength Router



Management **Appliance**



Based Router on File Server



CDDI/ **FDDI** Concentrator



Protocol Translator



PC Router Card



TransPath



PC Adapter Card



CiscoWorks Workstation



Cisco Hub



Bridge



Small Hub (10BaseT Hub)



Access Server

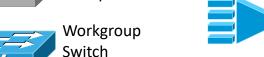


NetFlow Router



Workgroup Switch Color/Subdued

Voice-Enabled





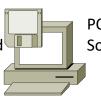
Terminal Server



Route/Switch **Processor** with and without Si



PC with Router-Based Software

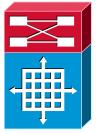


PC with Software



ATM Switch





PXF



Switch **Processor**



LAN2LAN



MicroWeb Server



IP Transport Concentrator



Switch



Label Switch Router





ASIC **Processor**



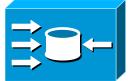
General **Processor**



ISDN Switch



BBSM



Content **Engine**



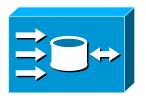
Cisco 5500 **Family**



Multi-**Switch** Device



ATA



Management **Engine** (ME 1100)



Broadband Router





NetRanger



Cisco 6920 RateMux



Standard and Old (Some Prefer)



System Controller



Program Switch





Voice-**Enabled Access Server**



Router with TDM



NetSonar



Cisco 7505



Cisco



ADM



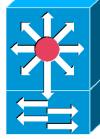
Cisco 1000



Cisco 7507



Directory Server



Data Switch **Processor**



Edge Label Switch Router



Cisco 7500 (7513)



Voice-**Enabled** Router



Cisco 4310 End Office System









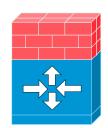
Multilayer Switch, with and without Text and Subdued



Centri Firewall



Cisco Security Manager



IOS Firewall

Router with

Firewall



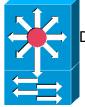
MGX 8220



MGX 8240



MGX 8260



Data Center Switch

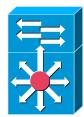


PIX Firewall Right and Left

Cisco CallManager



Voice-Enabled ATM Switch



Data Center Switch, Reversed



IP Telephony Router



Optical Transport



DSLAM



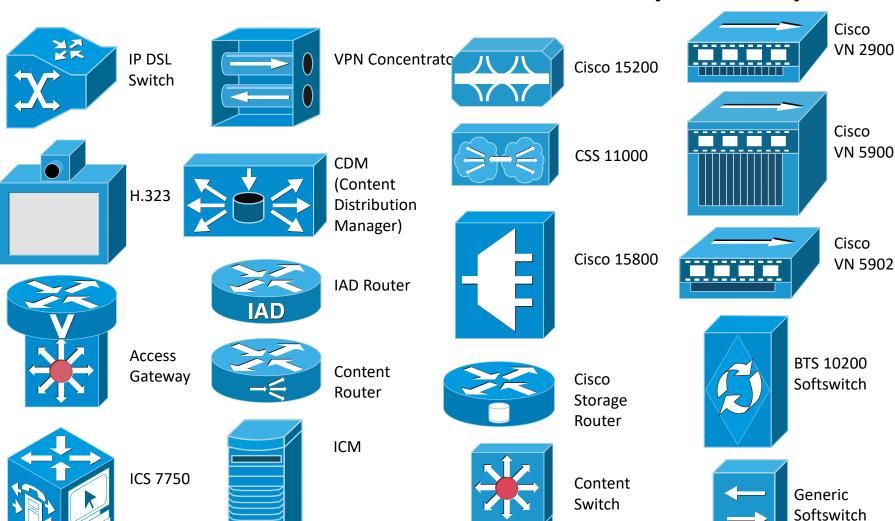
Cisco 6705 Access Server

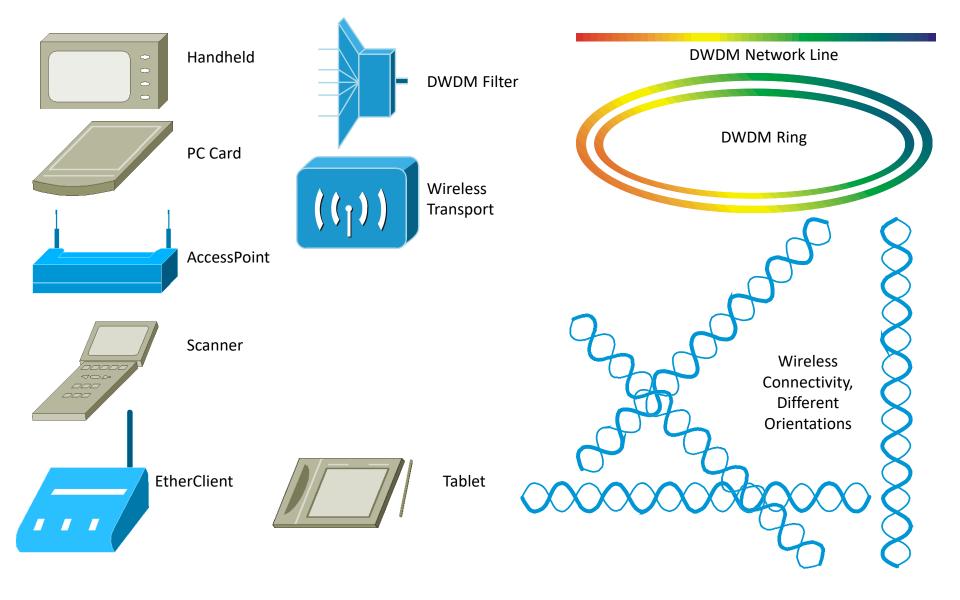


Cisco 6732 Access Server

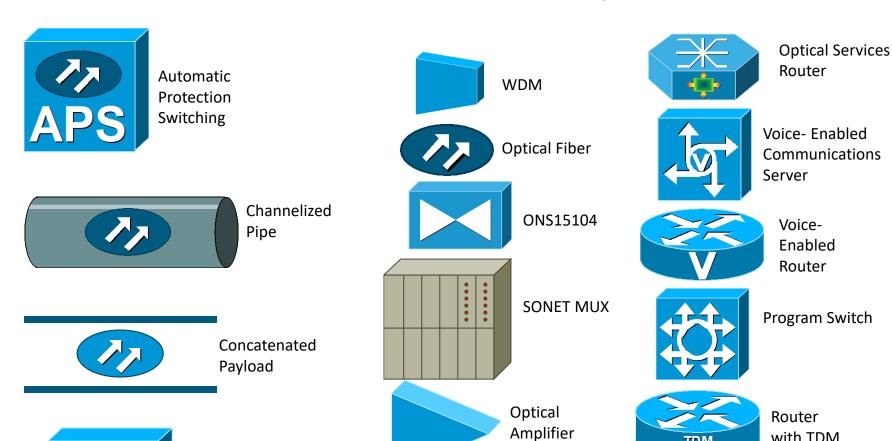


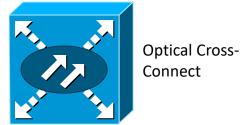
Cisco 6701





Icons: Cisco Products, Optical (Cont.)

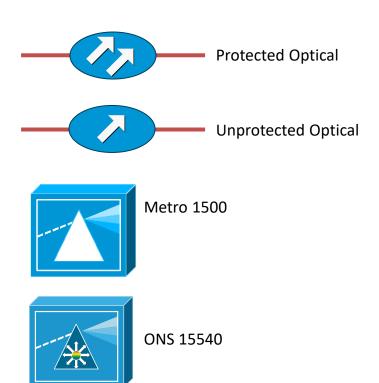


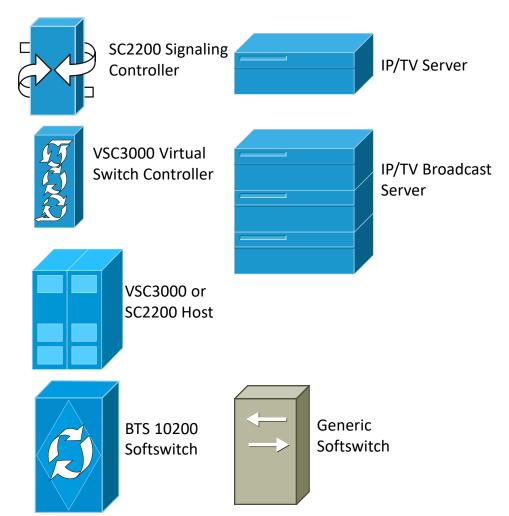




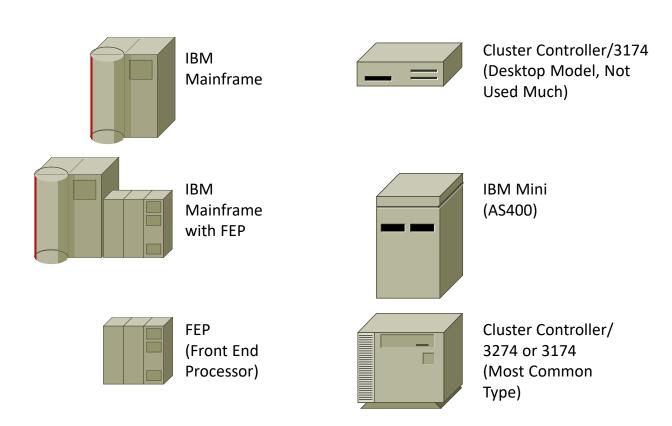
with TDM

Icons: Cisco Products, Optical (Cont.)

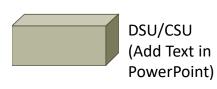


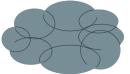


Icons: IBM



Icons: WAN

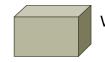




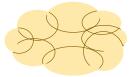
Network Cloud, Dark



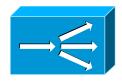
Distributed Director



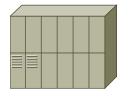
WAN



Network Cloud, Gold



Local Director



MUX



Network Cloud, White



PBX/ Switch



Network Cloud, Standard Color



PBX (Small)



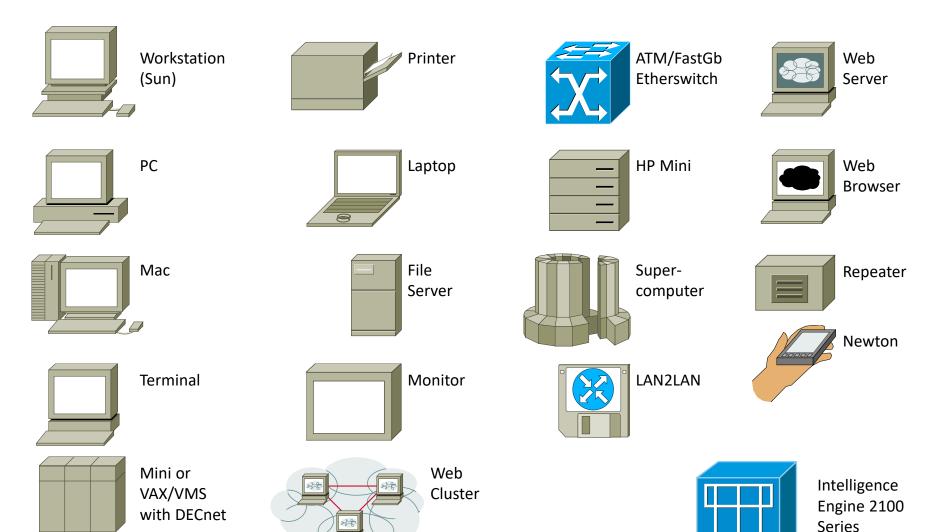
Hub Gray and Blue



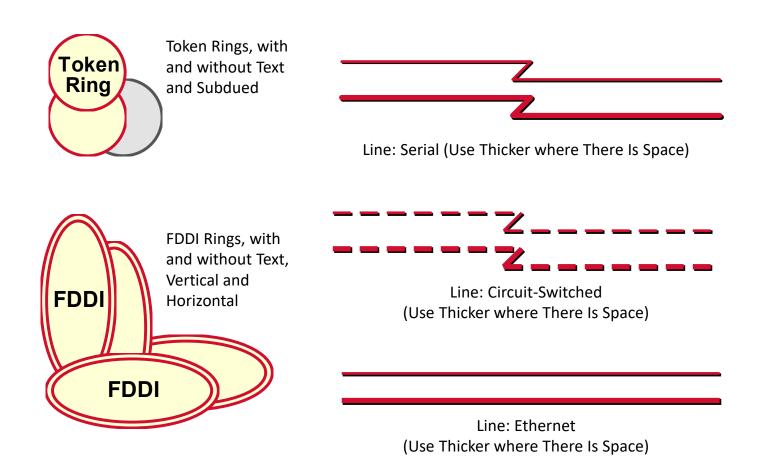
NAT



Icons: LAN



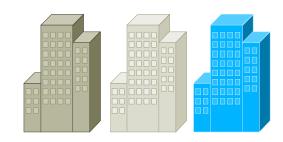
Icons: Media



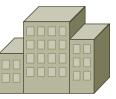
Icons: Buildings



Government



Headquarters, Regular, Subdued, and Blue







University





House, Regular and Blue



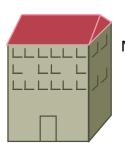
Medium Building, Regular, Subdued, and Blue



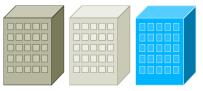
Small Business



Telecommuter House (Color and Subdued)



Home Office

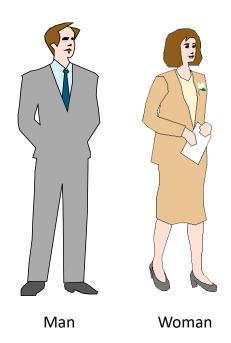


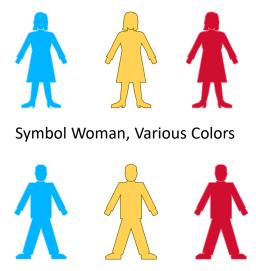
Branch Office, Regular, Subdued, and Blue



MDU

Icons: People





Symbol Man, Various Colors







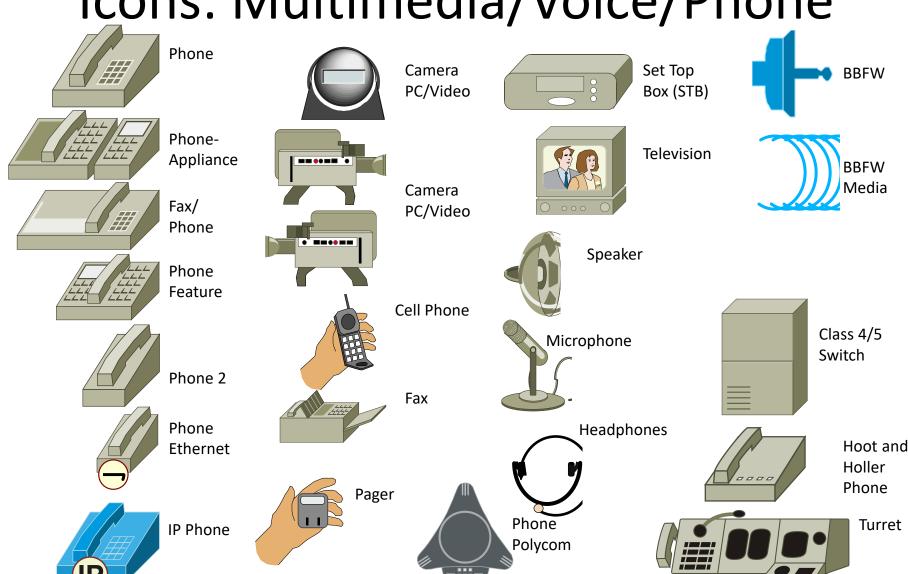
Running Man (Color and Subdued)



Running Woman



Icons: Multimedia/Voice/Phone



Icons: Miscellaneous

