

LAB 1, March 1, 2010

reference commands:

confreg 0x2142; reset; config-register 0x2102; sh run; copy run start; sh ip int br; sh int fa0/1; sh ip arp; sh mac-copy run tftp; sh ver; sh history; sh ip http server status; sh vlan br; sh port int fa0/2; sh port addr; sh flash:

Section 1 Router password recovery

Refer to http://www.cisco.com/en/US/products/sw/iosswrel/ps1831/products_tech_note09186a00801746e6.shtml#t2

Choose Routers--> Cisco 2800 Series Routers

and follow the procedure to recover the router's password.

Section 2 Switch password recovery

Refer to http://www.cisco.com/en/US/products/sw/iosswrel/ps1831/products_tech_note09186a00801746e6.shtml#t2

Choose LAN Switches--> [Catalyst 3550, 3560, 3750 Series Switches](#)

and follow the procedure to recover the router's password.

Section 3 Switch basic configurations

- 3-1 hostname SW<x>
enable secret cisco
- 3-2 int vlan 1
ip addr 10.10.x.1 255.255.255.0
no shut
- 3-3 line con 0
exec-time 0 0
logg sync
- 3-4 line vty 0 4
exec-time 0 0
pass cisco
login
transport in ssh telnet
- 3-5 user ccna pri 15 pass ccna
ip domain-name cisco
crypto key generate rsa (before the following command, please **show run**)
service pass<tab> (after this command, please **show run** again)
- 3-6 save configuration to NVRAM
- 3-7 At your PC, configure 3Com NIC and assign IP address as 10.10.x.10/24
telnet from your PC to 10.10.x.1
ssh from your PC (putty or ssh client), and use ccna as the user name and password
- 3-8 vlan 99
int vlan 99
ip addr 172.16.x.1 255.255.255.0
no shut
- 3-9 int fa0/2
sw ac vl 99
- 3-10 Plug the Ethernet cable to port 2 on the switch. At your PC, configure 3Com NIC and assign IP address as 172.16.x.10/24, telnet from your PC to 172.16.x.1
- 3-11 ip default-gateway 172.16.x.254
ip http server (At your PC, browse 172.16.x.1)
banner login "Authorized Personnel Only!"
banner motd "Device maintenance will be occurring on Friday!"
- 3-12 int fa0/2
sw mo ac
sw port
sw port max 4
sw port mac st
- 4-1 (optional) Refer to Section 2 and do password recovery for 1900 switches on the rack.