CHAPTER 10

Sample Configuration

This chapter collects the results of the Ethernet WAN interface, DHCP, VLAN, Easy VPN, and wireless interface configurations made in previous chapters. This allows you to view what a basic configuration provided by this guide looks like in a single sample, Example 10-1.

Note Commands marked by "**(default)**" are generated automatically when you run the **show running-config** command.

Example 10-1 Sample Configuration

```
Router# show running-config
Building configuration...

Current configuration : 3781 bytes
!
version 12.3
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname retail
!
boot-start-marker
boot-end-marker
!
enable password cisco123
!
username jsomeone password 0 cg6#107X
aaa new-model
!
aaa group server radius rad_eap
    server 10.0.1.1 auth-port 1812 acct-port 1813
!
aaa authentication login eap_methods group rad_eap
aaa session-id common
ip subnet-zero
ip cef
!
vpdn enable
    vpdn-group 1
    request-dialin
    protocol pppoe
!
interface dialer 1
```

```
    ip address negotiated
    ppp authentication chap
    dialer pool 1
    dialer-group 1
!
dialer-list 1 protocol ip permit
    ip nat inside source list 1 interface dialer 0 overload
    ip classless (default)
    ip route 10.10.25.2 0.255.255.255 dialer 0
!
ip dhcp excluded-address 10.0.1.1 10.0.1.10
ip dhcp excluded-address 10.0.2.1 10.0.2.10
ip dhcp excluded-address 10.0.3.1 10.0.3.10
!
ip dhcp pool vlan1
   network 10.0.1.0 255.255.255.0
   default-router 10.0.1.1
!
ip dhcp pool vlan2
   network 10.0.2.0 255.255.255.0
   default-router 10.0.2.1
!
ip dhcp pool vlan3
   network 10.0.3.0 255.255.255.0
   default-router 10.0.3.1
!
ip ips po max-events 100
no ftp-server write-enable
!
bridge irb
!
interface FastEthernet2
    no ip address
!
interface FastEthernet3
    no ip address
!
interface FastEthernet4
    no ip address
!
interface FastEthernet5
    no ip address
!
interface FastEthernet6
    no ip address
!
interface FastEthernet7
    no ip address
!
interface FastEthernet8
    no ip address
!
interface FastEthernet9
    switchport mode trunk
    no ip address
!
interface FastEthernet0
    ip address 192.1.12.2 255.255.255.0
    no ip directed-broadcast (default)
    ip nat outside
    ip access-group 103 in
    no cdp enable
    crypto ipsec client ezvpn ezvpnclient outside
    crypto map static-map
```

```
    duplex auto
    speed auto
!
interface FastEthernet1
    no ip address
    duplex auto
    speed auto
!
crypto isakmp policy 1
    encryption 3des
    authentication pre-share
    group 2
    lifetime 480
!
crypto isakmp client configuration group rtr-remote
    key secret-password
    dns 10.50.10.1 10.60.10.1
    domain company.com
    pool dynpool
!
crypto ipsec transform-set vpn1 esp-3des esp-sha-hmac
!
crypto ipsec security-association lifetime seconds 86400
!
crypto dynamic-map dynmap 1
    set transform-set vpn1
    reverse-route
!
crypto map static-map 1 ipsec-isakmp dynamic dynmap
crypto map dynmap isakmp authorization list rtr-remote
crypto map dynmap client configuration address respond

crypto ipsec client ezvpn ezvpnclient
    connect auto
    group 2 key secret-password
    mode client
    peer 192.168.100.1
!
interface Dot11Radio0
    no ip address
    !
    broadcast-key vlan 1 change 45
    !
    encryption vlan 1 mode ciphers tkip
    !
    ssid cisco
        vlan 1
        authentication open
        authentication network-eap eap_methods
        authentication key-management wpa optional
    !
    ssid ciscowep
        vlan 2
        authentication open
        !
    ssid ciscowpa
        vlan 3
        authentication open
    !
    speed basic-1.0 basic-2.0 basic-5.5 6.0 9.0 basic-11.0 12.0 18.0 24.0 36.0 48.0 54.0
    rts threshold 2312
    power local cck 50
    power local ofdm 30
    channel 2462
```

```
    station-role root
!
interface Dot11Radio0.1
    description Cisco Open
    encapsulation dot1Q 1 native
    no cdp enable
    bridge-group 1
    bridge-group 1 subscriber-loop-control
    bridge-group 1 spanning-disabled
    bridge-group 1 block-unknown-source
    no bridge-group 1 source-learning
    no bridge-group 1 unicast-flooding
!
interface Dot11Radio0.2
    encapsulation dot1Q 2
    bridge-group 2
    bridge-group 2 subscriber-loop-control
    bridge-group 2 spanning-disabled
    bridge-group 2 block-unknown-source
    no bridge-group 2 source-learning
    no bridge-group 2 unicast-flooding
!
interface Dot11Radio0.3
    encapsulation dot1Q 3
    bridge-group 3
    bridge-group 3 subscriber-loop-control
    bridge-group 3 spanning-disabled
    bridge-group 3 block-unknown-source
    no bridge-group 3 source-learning
    no bridge-group 3 unicast-flooding
!
interface Vlan1
    ip address 192.168.1.1 255.255.255.0
    no ip directed-broadcast (default)
    crypto ipsec client ezvpn ezvpnclient inside
    ip inspect firewall in
    no cdp enable
    bridge-group 1
    bridge-group 1 spanning-disabled
!
interface Vlan2
    no ip address
    bridge-group 2
    bridge-group 2 spanning-disabled
!
interface Vlan3
    no ip address
    bridge-group 3
    bridge-group 3 spanning-disabled
!
interface BVI1
    ip address 10.0.1.1 255.255.255.0
    ip nat inside

!
interface BVI2
    ip address 10.0.2.1 255.255.255.0
!
interface BVI3
    ip address 10.0.3.1 255.255.255.0
!
ip classless
!
ip http server
```

```
no ip http secure-server
!
radius-server local
    nas 10.0.1.1 key 0 cisco123
    group rad_eap
!
user jsomeone nthash 7 0529575803696F2C492143375828267C7A760E11137346244527257 07C010B065B
user AMER\jsomeone nthash 7
0224550C29232E041C6A5D3C5633305D5D560C0902796616713723 3026580E0B0D
!
radius-server host 10.0.1.1 auth-port 1812 acct-port 1813 key cisco123
!
control-plane
!
bridge 1 route ip
bridge 2 route ip
bridge 3 route ip
!
ip inspect name firewall tcp
ip inspect name firewall udp
ip inspect name firewall rtsp
ip inspect name firewall h323
ip inspect name firewall netshow
ip inspect name firewall ftp
ip inspect name firewall sqlnet
!
access-list 103 permit udp host 200.1.1.1 any eq isakmp
access-list 103 permit udp host 200.1.1.1 eq isakmp any
access-list 103 permit esp host 200.1.1.1 any
access-list 103 permit icmp any any
access-list 103 deny ip any any
access-list 105 permit ip 10.1.1.0 0.0.0.255 192.168.0.0 0.0.255.255
no cdp run
!
line con 0
    password cisco123
    no modem enable
    transport preferred all
    transport output all
line aux 0
    transport preferred all
    transport output all
line vty 0 4
    password cisco123
    transport preferred all
    transport input all
    transport output all
!
```