!

! Last configuration change at 22:23:01 UTC Sun Aug 4 2024

!

version 15.5

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

!

hostname RT-A-1

!

boot-start-marker

boot-end-marker

!

!

!

no aaa new-model

!

!

!

bsd-client server url https://cloudsso.cisco.com/as/token.oauth2

mmi polling-interval 60

no mmi auto-configure

no mmi pvc

mmi snmp-timeout 180

!

!

!

!

!

no ip icmp rate-limit unreachable

!

!

!

!

!

!

!

!

!

ip dhcp excluded-address 192.168.99.1 192.168.99.10

ip dhcp excluded-address 192.168.30.1 192.168.30.10

ip dhcp excluded-address 192.168.10.1 192.168.10.10

!

ip dhcp pool VLAN99

network 192.168.99.0 255.255.255.0

default-router 192.168.99.6

!

ip dhcp pool VLAN30

network 192.168.30.0 255.255.255.0

default-router 192.168.30.6

!

ip dhcp pool VLAN10

network 192.168.10.0 255.255.255.0

default-router 192.168.10.1

!

!

!

no ip domain lookup

ip domain name example.com

no ip cef

no ipv6 cef

!

multilink bundle-name authenticated

!

!

!

!

!

!

!

cts logging verbose

!

!

!

redundancy

!

no cdp run

!

ip tcp synwait-time 5

ip ssh version 1

!

!

!

!

!

crypto isakmp policy 10

encr aes 256

hash sha256

authentication pre-share

group 2

lifetime 3600

!

crypto isakmp policy 20

encr aes 256

hash sha256

authentication pre-share

group 2

lifetime 3600

crypto isakmp key Tunnelkey address 201.0.111.1

crypto isakmp key Tunnelkey address 201.0.111.5

!

!

crypto ipsec transform-set A-HQ1-VPN esp-aes 256 esp-sha256-hmac

mode transport

crypto ipsec transform-set A-HQ2-VPN esp-aes 256 esp-sha256-hmac

mode transport

!

crypto ipsec profile A-HQ1-GRE

set transform-set A-HQ1-VPN

!

crypto ipsec profile A-HQ2-GRE

set transform-set A-HQ2-VPN

!

!

!

!

!

!

!

interface Loopback0

ip address 10.2.1.1 255.255.255.255

!

interface Loopback1

ip address 10.2.2.1 255.255.255.255

!

interface Loopback2

ip address 10.2.3.1 255.255.255.255

!

interface Tunnel0

description Link to CoreRT-1, E0/1

bandwidth 4000

ip address 172.16.1.2 255.255.255.252

ip mtu 1400

tunnel source Ethernet0/1

tunnel destination 201.0.111.1

tunnel protection ipsec profile A-HQ1-GRE

!

interface Tunnel1

description Link to CoreRT-2, E0/1

bandwidth 4000

ip address 172.16.2.6 255.255.255.252

ip mtu 1400

tunnel source Ethernet0/1

tunnel destination 201.0.111.5

tunnel protection ipsec profile A-HQ2-GRE

!

interface Ethernet0/0

description Downlink

ip address 192.168.1.1 255.255.255.0

ip access-group 100 in

!

interface Ethernet0/0.10

encapsulation dot1Q 10

ip address 192.168.10.254 255.255.255.0

no cdp enable

!

interface Ethernet0/0.30

encapsulation dot1Q 30

ip address 192.168.30.1 255.255.255.0

no cdp enable

!

interface Ethernet0/0.99

encapsulation dot1Q 99

ip address 192.168.99.1 255.255.255.0

no cdp enable

!

interface Ethernet0/1

description Uplink to ISP

ip address 203.0.113.2 255.255.255.252

!

interface Ethernet0/2

no ip address

shutdown

!

interface Ethernet0/3

no ip address

shutdown

!

interface Ethernet1/0

no ip address

shutdown

!

interface Ethernet1/1

no ip address

shutdown

!

interface Ethernet1/2

no ip address

shutdown

!

interface Ethernet1/3

no ip address

shutdown

!

interface Serial2/0

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/1

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/2

no ip address

shutdown

serial restart-delay 0

!

interface Serial2/3

no ip address

shutdown

serial restart-delay 0

!

interface Serial3/0

no ip address

shutdown

serial restart-delay 0

!

interface Serial3/1

no ip address

shutdown

serial restart-delay 0

!

interface Serial3/2

no ip address

shutdown

serial restart-delay 0

!

interface Serial3/3

no ip address

shutdown

serial restart-delay 0

!

router ospf 1

router-id 3.3.3.3

network 172.16.1.0 0.0.0.3 area 0

network 172.16.2.4 0.0.0.3 area 0

network 192.168.10.0 0.0.0.255 area 0

network 192.168.30.0 0.0.0.255 area 0

network 192.168.99.0 0.0.0.255 area 0

!

router bgp 65002

bgp log-neighbor-changes

neighbor 203.0.113.1 remote-as 65001

!

ip default-gateway 192.168.1.254

ip forward-protocol nd

!

!

no ip http server

no ip http secure-server

ip route 0.0.0.0 0.0.0.0 203.0.113.1

!

!

snmp-server community public RO

snmp-server community private RW

!

access-list 100 permit ip 192.168.1.0 0.0.0.255 any

!

control-plane

!

!

!

!

!

!

!

banner motd Authorized Access Only!

!

line con 0

exec-timeout 0 0

privilege level 15

password 7 0327540515002D497E080A16001D1908

logging synchronous

login

line aux 0

exec-timeout 0 0

privilege level 15

logging synchronous

line vty 0 4

password 7 0125323D6B0A151C36435C0D

login

transport input ssh

!

ntp server 192.168.1.2

!

end