

Building configuration...

Current configuration : 6092 bytes

!
! Last configuration change at 12:04:16 UTC Mon Dec 21 2015
version 15.3

service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption

!
hostname R2

!
boot-start-marker
boot-end-marker

!
!
!
no aaa new-model

!
ip cef

!
!
!
!

!
!
!
!
no ip domain lookup
ipv6 unicast-routing
ipv6 cef

!
multilink bundle-name authenticated

!
!
!
license udi pid CISC01921/K9 sn FCZ152570QZ
license boot module c1900 technology-package securityk9
license boot module c1900 technology-package datak9

!
!
!
redundancy

!
!
!
!
!
!
!
!
!

```
!  
!  
!  
!  
!  
interface Embedded-Service-Engine0/0  
  no ip address  
  shutdown  
!  
interface GigabitEthernet0/0  
  no ip address  
  duplex auto  
  speed auto  
!  
interface GigabitEthernet0/0.10  
  encapsulation dot1Q 10  
  ip address 10.2.10.1 255.255.255.0  
  ip access-group 116 in  
  ip helper-address 10.1.0.1  
  ipv6 address FE80::2 link-local  
  ipv6 address 2001:620:3101:2010::2/64  
  ipv6 enable  
  ipv6 nd other-config-flag  
  ipv6 nd ra interval 10  
  ipv6 dhcp relay destination 2001:620:3101:1001::1 Serial0/0/0  
  ipv6 traffic-filter b10 in  
  ipv6 ospf 1 area 0  
!  
interface GigabitEthernet0/0.20  
  encapsulation dot1Q 20  
  ip address 10.2.20.1 255.255.255.0  
  ip access-group 117 in  
  ip helper-address 10.1.0.1  
  ipv6 address FE80::2 link-local  
  ipv6 address 2001:620:3101:2020::2/64  
  ipv6 enable  
  ipv6 nd other-config-flag  
  ipv6 nd ra interval 10  
  ipv6 dhcp relay destination 2001:620:3101:1001::1 Serial0/0/0  
  ipv6 traffic-filter b20 in  
  ipv6 ospf 1 area 0  
!  
interface GigabitEthernet0/0.30  
  encapsulation dot1Q 30  
  ip address 10.2.30.1 255.255.255.0  
  ip access-group 118 in  
  ip helper-address 10.1.0.1  
  ipv6 address FE80::2 link-local  
  ipv6 address 2001:620:3101:2030::2/64  
  ipv6 enable  
  ipv6 nd other-config-flag  
  ipv6 nd ra interval 10  
  ipv6 dhcp relay destination 2001:620:3101:1001::1 Serial0/0/0  
  ipv6 traffic-filter b30 in
```

```

    ipv6 ospf 1 area 0
!
interface GigabitEthernet0/0.99
    encapsulation dot1Q 99
    ip address 10.2.99.1 255.255.255.0
    ip helper-address 10.1.0.1
    ipv6 address FE80::2 link-local
    ipv6 address 2001:620:3101:2099::2/64
    ipv6 enable
    ipv6 nd other-config-flag
    ipv6 nd ra interval 10
    ipv6 dhcp relay destination 2001:620:3101:1001::1 Serial0/0/0
    ipv6 ospf 1 area 0
!
interface GigabitEthernet0/1
    no ip address
    shutdown
    duplex auto
    speed auto
!
interface Serial0/0/0
    ip address 10.4.40.2 255.255.255.252
    ipv6 address FE80::2 link-local
    ipv6 address 2001:620:3101:4041::2/64
    ipv6 enable
    ipv6 ospf 1 area 0
!
interface Serial0/0/1
    ip address 10.4.40.5 255.255.255.252
    ipv6 address FE80::2 link-local
    ipv6 address 2001:620:3101:4040::2/64
    ipv6 enable
    ipv6 ospf 1 area 0
    clock rate 128000
!
router ospf 1
    passive-interface GigabitEthernet0/0.10
    passive-interface GigabitEthernet0/0.20
    passive-interface GigabitEthernet0/0.30
    passive-interface GigabitEthernet0/0.99
    network 10.2.10.0 0.0.0.255 area 0
    network 10.2.20.0 0.0.0.255 area 0
    network 10.2.30.0 0.0.0.255 area 0
    network 10.2.99.0 0.0.0.255 area 0
    network 10.4.40.0 0.0.0.3 area 0
    network 10.4.40.4 0.0.0.3 area 0
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
!
!
ipv6 router ospf 1

```

```

!
!
!
access-list 116 deny ip 10.2.10.0 0.0.0.255 10.1.20.0 0.0.0.255
access-list 116 deny ip 10.2.10.0 0.0.0.255 10.1.30.0 0.0.0.255
access-list 116 deny ip 10.2.10.0 0.0.0.255 10.2.20.0 0.0.0.255
access-list 116 deny ip 10.2.10.0 0.0.0.255 10.2.30.0 0.0.0.255
access-list 116 deny ip 10.2.10.0 0.0.0.255 10.3.20.0 0.0.0.255
access-list 116 deny ip 10.2.10.0 0.0.0.255 10.3.30.0 0.0.0.255
access-list 116 permit ip any any
access-list 116 permit tcp any any
access-list 117 deny ip 10.2.20.0 0.0.0.255 10.1.10.0 0.0.0.255
access-list 117 deny ip 10.2.20.0 0.0.0.255 10.1.30.0 0.0.0.255
access-list 117 deny ip 10.2.20.0 0.0.0.255 10.2.10.0 0.0.0.255
access-list 117 deny ip 10.2.20.0 0.0.0.255 10.2.30.0 0.0.0.255
access-list 117 deny ip 10.2.20.0 0.0.0.255 10.3.10.0 0.0.0.255
access-list 117 deny ip 10.2.20.0 0.0.0.255 10.3.30.0 0.0.0.255
access-list 117 permit ip any any
access-list 117 permit tcp any any
access-list 118 deny ip 10.2.30.0 0.0.0.255 10.1.10.0 0.0.0.255
access-list 118 deny ip 10.2.30.0 0.0.0.255 10.1.20.0 0.0.0.255
access-list 118 deny ip 10.2.30.0 0.0.0.255 10.2.10.0 0.0.0.255
access-list 118 deny ip 10.2.30.0 0.0.0.255 10.2.20.0 0.0.0.255
access-list 118 deny ip 10.2.30.0 0.0.0.255 10.3.10.0 0.0.0.255
access-list 118 deny ip 10.2.30.0 0.0.0.255 10.3.20.0 0.0.0.255
access-list 118 permit ip any any
access-list 118 permit tcp any any
!
ipv6 access-list b10
deny ipv6 2001:620:3101:2010::/64 2001:620:3101:1020::/64
deny ipv6 2001:620:3101:2010::/64 2001:620:3101:1030::/64
deny ipv6 2001:620:3101:2010::/64 2001:620:3101:2020::/64
deny ipv6 2001:620:3101:2010::/64 2001:620:3101:2030::/64
deny ipv6 2001:620:3101:2010::/64 2001:620:3101:3020::/64
deny ipv6 2001:620:3101:2010::/64 2001:620:3101:3030::/64
permit ipv6 any any
permit tcp any any
!
ipv6 access-list b20
deny ipv6 2001:620:3101:2020::/64 2001:620:3101:1010::/64
deny ipv6 2001:620:3101:2020::/64 2001:620:3101:1030::/64
deny ipv6 2001:620:3101:2020::/64 2001:620:3101:3010::/64
deny ipv6 2001:620:3101:2020::/64 2001:620:3101:3030::/64
permit ipv6 any any
permit tcp any any
deny ipv6 2001:620:3101:2020::/64 2001:620:3101:2010::/64
deny ipv6 2001:620:3101:2020::/64 2001:620:3101:2030::/64
!
ipv6 access-list b30
deny ipv6 2001:620:3101:3020::/64 2001:620:3101:1010::/64
deny ipv6 2001:620:3101:3020::/64 2001:620:3101:1020::/64
deny ipv6 2001:620:3101:3020::/64 2001:620:3101:2010::/64
deny ipv6 2001:620:3101:3020::/64 2001:620:3101:2020::/64
deny ipv6 2001:620:3101:3020::/64 2001:620:3101:3010::/64

```

```
deny ipv6 2001:620:3101:3020::/64 2001:620:3101:3020::/64
permit ipv6 any any
permit tcp any any
!
control-plane
!
!
!
line con 0
line aux 0
line 2
  no activation-character
  no exec
  transport preferred none
  transport input all
  transport output lat pad telnet rlogin lapb-ta mop udptn v120 ssh
  stopbits 1
line vty 0 4
  login
  transport input all
!
scheduler allocate 20000 1000
!
end
```