



Configuration for VPC Gateway Redundancy

The following sample configuration for VPC gateway redundancy consists of:

- [CSR-A, page C-1](#)
- [CSR-B, page C-3](#)

CSR-A

```
version 15.4
service timestamps debug datetime msec
service timestamps log datetime msec
no platform punt-keepalive disable-kernel-core
platform console virtual
!
hostname CSR-A
!
boot-start-marker
boot-end-marker
!
no aaa new-model
!
subscriber templating
!
multilink bundle-name authenticated
!
crypto pki trustpoint TP-self-signed-941582656
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-941582656
  revocation-check none
  rsakeypair TP-self-signed-941582656
!
crypto pki certificate chain TP-self-signed-941582656
  certificate self-signed 01
    30820229 30820192 A0030201 02020101 300D0609 2A864886 F70D0101 05050030
    30312E30 2C060355 04031325 494F532D 53656C66 2D536967 6E65642D 43657274
    69666963 6174652D 39343135 38323635 36301E17 0D313430 39313531 34303031
    385A170D 32303031 30313030 30303030 5A303031 2E302C06 03550403 1325494F
    532D5365 6C662D53 69676E65 642D4365 72746966 69636174 652D3934 31353832
    36353630 819F300D 06092A86 4886F70D 01010105 0003818D 00308189 02818100
    CF087FE6 23BA0724 A729B1D5 E0B4A492 0403C24A A6958DFF 1235127D A0842721
    57552EFA F3A271EF B1463E17 A4F6AC36 67D215CF 3A12A199 06F17F4B 2194F7B9
    4F28C684 9369E399 938C4DD5 B24BA518 2CB913F8 1E8DB5F5 8484D22F F69E2B0A
    8716BFC2 D34C1110 C0B7A703 3A480AA1 E4E9F95D 5D71E7D6 03DC44EA B333471F
    02030100 01A35330 51300F06 03551D13 0101FF04 05300301 01FF301F 0603551D
    23041830 168014FD 2737051A B81CA2DD 31832423 04189629 DB272230 1D060355
    1D0E0416 0414FD27 37051AB8 1CA2DD31 83242304 189629DB 2722300D 06092A86
    4886F70D 01010505 00038181 00A7A0CE E3A90EA7 0DDE2E48 12AC5D98 DBE1075B
    BE4C1DE0 C42DC4DA 8D8F9F51 F6290594 E8F66193 A250385E 8A1B476F 0F3ED5B1
```

```

D750A497 6DA564CD 8E0B4CB5 E2842365 95655D3F 44B762A0 81B888E2 1DA97373
605A15F9 2E27DBB5 23B3415A 9E98DC12 D69F0AFF B6E7B7D3 52E350F1 6D2D7FED
41C70835 2E264F64 BF61C3DE 89
quit
license udi pid CSR1000V sn 9J7C89PX47H
license boot level ax
spanning-tree extend system-id
!
username ec2-user privilege 15 secret 5 $1$00XX$BXyXX2Mpsdq3bLPdeJZFW1
!
redundancy
mode none
!
crypto ikev2 profile default
match identity remote fqdn domain cisco.com
identity local fqdn csr-a.cisco.com
authentication remote pre-share key cisco123
authentication local pre-share key cisco123
!
crypto ikev2 dpd 10 2 on-demand
!
ip ssh rsa keypair-name ssh-key
ip ssh version 2
ip ssh pubkey-chain
username ec2-user
key-hash ssh-rsa 1CE65034F2481508E0466998CE6C8AB2 chockerva
!
interface Tunnell
ip address 172.17.1.1 255.255.255.252
bfd interval 500 min_rx 500 multiplier 3
tunnel source GigabitEthernet1
tunnel destination 54.215.144.53
!
router eigrp 1
bfd interface Tunnell
network 172.17.0.0
passive-interface GigabitEthernet1
!
interface GigabitEthernet1
ip address dhcp
negotiation auto
!
virtual-service csr_mgmt
ip shared host-interface GigabitEthernet1
activate
!
ip forward-protocol nd
!
no ip http server
ip http secure-server
ip route 10.0.2.0 10.0.0.1
!
ip access-list extended ssh-in
permit tcp any any eq 22
ip access-list extended ssh-out
permit tcp any eq 22 any
!
control-plane
!
line con 0
stopbits 1
line vty 0 4
login local
!

```

```

event manager environment q "
event manager environment RTB rtb-848e3de1
event manager environment CIDR 0.0.0.0/0
event manager environment REGION us-west-1/10.0.02
event manager environment ENI eni-7b78c10d
event manager applet replace-route
  event syslog pattern "\(Tunnell\) is down: BFD peer down notified"
  action 1.0 publish-event sub-system 55 type 55 arg1 $RTB arg2 $CIDR arg3 $ENI arg4
$REGION
!
end

```

CSR-B

```

version 15.4
service timestamps debug datetime msec
service timestamps log datetime msec
no platform punt-keepalive disable-kernel-core
platform console virtual
!
hostname CSR-B
!
boot-start-marker
boot-end-marker
!
no aaa new-model
!
subscriber templating
!
multilink bundle-name authenticated
!
crypto pki trustpoint TP-self-signed-3549366697
  enrollment selfsigned
  subject-name cn=IOS-Self-Signed-Certificate-3549366697
  revocation-check none
  rsakeypair TP-self-signed-3549366697
!
crypto pki certificate chain TP-self-signed-3549366697
  certificate self-signed 01
    3082022B 30820194 A0030201 02020101 300D0609 2A864886 F70D0101 05050030
    31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274
    69666963 6174652D 33353439 33363636 3937301E 170D3134 30393135 31343030
    31335A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649
    4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D33 35343933
    36363639 3730819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281
    8100CEEC A9E186D4 93051637 C56B5C7D B3A42A89 A1EDF09B E394A952 FB029E8F
    F960F953 6A8C643E D8096336 62D5EE20 F866E6BE 65DDB9F9 67E1D118 AB42A2E3
    11A5B7F8 B6947315 93E9E0AF 5BC28553 C443494E 3DF1041F 1F029AB9 F14EAC56
    7874EC32 67272303 896B5C50 D7E85A54 A3B8671A A878F422 E922A96C 02D7188D
    BC410203 010001A3 53305130 0F060355 1D130101 FF040530 030101FF 301F0603
    551D2304 18301680 1423492E BA79B04D 38488FF1 C1B2FB36 8CF9CBD2 45301D06
    03551D0E 04160414 23492EBA 79B04D38 488FF1C1 B2FB368C F9CBD245 300D0609
    2A864886 F70D0101 05050003 81810062 31209D60 92ED396B 268A11F8 543FAFB1
    9A7D293F AF39182B 1A297A6A 57EEC65F 9513A99E 46D89EF1 D17F59EE 7BF88220
    654A734F 703FC30B A105AC5D 10A5803F 593B1013 CDA07D43 B209BF88 C2404C0C
    DB209648 DC559AED E19DA40A C54C94F5 B8EF3187 5961C2D7 CE55A438 2A61380C
    D6D4108A 494A8FDE 19A59A1C 6F4CC3
  quit
license udi pid CSR1000V sn 9TMLDL66HOH
license boot level ax
spanning-tree extend system-id
!
username ec2-user privilege 15 secret 5 $1$GMHV$rx2mhUL6iLtdnBRUID4Zr1

```

```

!
redundancy
 mode none
!
!
!
!
crypto ikev2 profile default
 match identity remote fqdn domain cisco.com
 identity local fqdn csr-b.cisco.com
 authentication remote pre-share key cisco123
 authentication local pre-share key cisco123
!
crypto ikev2 dpd 10 2 on-demand
!
!
!
ip ssh rsa keypair-name ssh-key
ip ssh version 2
ip ssh pubkey-chain
 username ec2-user
  key-hash ssh-rsa 1CE65034F2481508E0466998CE6C8AB2 chockerva
!
!
!
!
!
!
interface Tunnell
 ip address 172.17.1.2 255.255.255.252
 shutdown
 bfd interval 500 min_rx 500 multiplier 3
 tunnel source GigabitEthernet1
 tunnel destination 54.183.225.41
!
!
!
router eigrp 1
 bfd interface Tunnell
 network 172.17.0.0
 passive-interface GigabitEthernet1

!
!
!
!
interface GigabitEthernet1
 ip address dhcp
 negotiation auto
!
!
!
!
virtual-service csr_mgmt
 ip shared host-interface GigabitEthernet1
 activate
!
ip forward-protocol nd
!
no ip http server
ip http secure-server
!
ip access-list extended ssh-in

```

```
    permit tcp any any eq 22
ip access-list extended ssh-out
    permit tcp any eq 22 any
!
!
!
!
control-plane
!
!
line con 0
    stopbits 1
line vty 0 4
    login local
!
event manager environment RTB rtb-848e3de1
event manager environment CIDR 0.0.0.0/0
event manager environment REGION us-west-1/10.0.0.2
event manager environment ENI eni-7a78c10c
event manager applet replace-route
    event syslog pattern "\(Tunnel1\) is down: BFD peer down notified"
    action 1.0 publish-event sub-system 55 type 55 arg1 $RTB arg2 $CIDR arg3 $ENI arg4
$REGION
!
end
```

