

## IOS: VRF-aware IPSec Site-2-Site configuration

Written by Alexei Spirin

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```
IOS config:          VRF-Aware IPSec Site-2-Site configuration (fully virtual hub)
version 12.4
!
ip cef
no ip domain lookup
!
!
ip vrf vpn1
description IPSec transport VRF
rd 1:1
route-target export 1:1
route-target import 1:1
!
ip vrf vpn11
description IP logical VRF for user's traffic
rd 11:11
route-target export 11:11
route-target import 11:11
!
crypto keyring crKR1 vrf vpn1
  pre-shared-key address 192.168.1.2 key cisco
no crypto xauth FastEthernet0/0
!
crypto isakmp policy 1
  encr 3des
  authentication pre-share
  group 2
crypto isakmp profile vpn1
  vrf vpn1
  keyring crKR1
  match identity address 192.168.1.2 255.255.255.255 vpn1
!
!
crypto ipsec transform-set trS1 esp-3des esp-sha-hmac
!
crypto ipsec profile crIP
  set transform-set trS1
  set isakmp-profile vpn1
!
interface Loopback1
  ip vrf forwarding vpn1 1
  ip address 172.17.1.1 255.255.255.255
!
interface Tunnel1
  ip vrf forwarding vpn1 1
  ip address 172.16.1.1 255.255.255.0
```

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```
tunnel source 192.168.1.1
tunnel destination 192.168.1.2
tunnel mode ipsec ipv4
tunnel vrf vpn1
tunnel protection ipsec profile criP
!
interface FastEthernet0/0
ip vrf forwarding vpn1
ip address 192.168.1.1 255.255.255.0
!
ip route vrf vpn1 172.17.1.2 255.255.255.255 172.16.1.2
```