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	Cisco IOS		
OOB interface	vrf definition MGM rd 10:10 ! address-family ipv4 exit-address-family ! ip route vrf MGM 0.0.0.0 0.0.0.0 192.168.1.1		
Archive	archive path ftp://root:gns3@192.168.1.198:/Cisco_IOS/\$h-\$t write-memory exit ip ftp source-interface		
FTP_GIT_SVR	192.168.1.198/24	root@FTP_Git_SVR:~/lab/LabForLearning/cisco/Cisco_SDWAN# ll total 64 drwxr-xr-x 5 root root 4096 Feb 22 13:43 ./ drwxr-xr-x 4 root root 4096 Feb 22 08:20 ../ drwxr-xr-x 2 root root 4096 Feb 22 13:10 Cisco_IOS/ drwxr-xr-x 2 root root 4096 Feb 22 08:23 Vedge/ -rw-r--r-- 1 root root 4875 Feb 22 13:10 Vedge1_2021-02-22_13-04-12 -rw-r--r-- 1 root root 2502 Feb 22 13:10 Vedge_2021-02-22_04-37-42 -rw-r--r-- 1 root root 3438 Feb 22 13:10 Vedge_2021-02-22_06-37-45 -rw-r--r-- 1 root root 3434 Feb 22 13:10 Vedge_2021-02-22_06-37-54 -rw-r--r-- 1 root root 3867 Feb 22 13:10 Vedge_2021-02-22_07-38-02 -rw-r--r-- 1 root root 1327 Feb 22 13:43 Vmanage_2021-02-22_14-38-40 drwxr-xr-x 2 root root 4096 Feb 22 08:23 vSmart/ -rw-r--r-- 1 root root 1235 Feb 22 08:23 vSmart_2021-02-05_13-41-47 -rw-r--r-- 1 root root 1569 Feb 22 13:26 vbound_2021-02-22_05-16-59 -rw-r--r-- 1 root root 1567 Feb 22 13:26 vbound_2022-02-22_14-24-44	https://github.com/baltah666/LabForLearning git push -u juniper master git fetch git status git pull -r

Vedg1	Vedg2
<pre>system host-name vEdge1 system-ip 10.200.1.1 site-id 100 admin-tech-on-failure no route-consistency-check organization-name "viptela sdwan" vbond 10.10.0.3 aaa auth-order local radius tacacs usergroup basic task system read write task interface read write ! usergroup netadmin ! usergroup operator task system read task interface read task policy read task routing read task security read ! usergroup tenantadmin ! user admin password \$6\$DCYp4VK4Dylq/Abr\$PHaXI.Nw/Nz65NV1ORJbOxENQxMa4.GVEYnF5IijCtsTCQWu8nsnMx1e0XlukCmNIZR//nR80nWQs.79EI5Jv. ! ! logging disk enable ! ! ! omp no shutdown graceful-restart advertise connected advertise static ! security ipsec authentication-type ah-sha1-hmac sha1-hmac ! ! vpn 0 router bgp 65012 address-family ipv4-unicast network 172.31.11.0/24 ! neighbor 172.31.11.1 no shutdown remote-as 100 address-family ipv4-unicast ! ! ! ! interface ge0/0 description Biz-INT ip address 192.1.1.2/24 ipv6 dhcp-client nat ! tunnel-interface encapsulation ipsec color public-internet restrict allow-service all</pre>	<pre>system host-name vEdge2 system-ip 10.200.1.2 site-id 100 admin-tech-on-failure no route-consistency-check sp-organization-name "viptela sdwan" organization-name "viptela sdwan" clock timezone America/Argentina/Ushuai vbond 10.10.0.3 aaa auth-order local radius tacacs usergroup basic task system read write task interface read write ! usergroup netadmin ! usergroup operator task system read task interface read task policy read task routing read task security read ! user admin password \$6\$siwKBQ==\$wT2lUa9BSreDPI6gB8sl4E6 ! ! logging disk enable ! ! ! omp no shutdown graceful-restart advertise connected advertise static ! security ipsec authentication-type sha1-hmac ah-sha1- ! ! banner login "Authorized User Only!" motd "Welcome to the next Gen of Netw ! vpn 0 name "Transport VPN" router bgp 65012 address-family ipv4-unicast network 172.31.12.0/24 ! neighbor 172.31.12.1 no shutdown remote-as 100 address-family ipv4-unicast ! ! ! ! interface ge0/0 description INET_INTERFACE ip address 192.1.2.2/24 tunnel-interface encapsulation ipsec color public-internet restrict allow-service all no allow-service bgp allow-service dhcp allow-service dns</pre>

```

no allow-service bgp
allow-service dhcp
allow-service dns
allow-service icmp
allow-service sshd
no allow-service netconf
no allow-service ntp
no allow-service ospf
no allow-service stun
allow-service https
!
no shutdown
!
```

```

interface ge0/1
description MPLS
ip address 172.31.11.2/24
tunnel-interface
encapsulation ipsec
color mpls restrict
allow-service all
no allow-service bgp
allow-service dhcp
allow-service dns
allow-service icmp
allow-service sshd
no allow-service netconf
no allow-service ntp
no allow-service ospf
no allow-service stun
allow-service https
!
no shutdown
!
ip route 0.0.0.0/0 192.1.1.1
!
vpn 1
router
ospf
timers spf 200 1000 10000
area 0
```

```

interface ge0/2
network point-to-point
exit
interface loopback0
exit
exit
!
bgp 65012
address-family ipv4-unicast
redistribute omp
!
neighbor 10.1.0.16
no shutdown
remote-as 65012
update-source loopback0
next-hop-self
address-family ipv4-unicast
route-policy RP_BGP_ROUTES out
!
!
!
!
```

```

interface ge0/2
ip address 10.1.16.1/24
```

```

allow-service icmp
no allow-service sshd
no allow-service netconf
no allow-service ntp
no allow-service ospf
no allow-service stun
allow-service https
!
no shutdown
!
```

```

interface ge0/1
description MPLS_INTERFACE
ip address 172.31.12.2/24
tunnel-interface
encapsulation ipsec
color mpls restrict
allow-service all
no allow-service bgp
allow-service dhcp
allow-service dns
allow-service icmp
no allow-service sshd
no allow-service netconf
no allow-service ntp
no allow-service ospf
no allow-service stun
allow-service https
!
no shutdown
!
ip route 0.0.0.0/0 192.1.2.1
!
vpn 1
router
ospf
timers spf 200 1000 10000
redistribute omp
area 0
```

```

interface ge0/2
network point-to-point
exit
interface loopback0
exit
exit
!
bgp 65012
address-family ipv4-unicast
redistribute omp
!
neighbor 10.1.0.16
no shutdown
remote-as 65012
update-source loopback0
next-hop-self
address-family ipv4-unicast
route-policy RP_BGP_ROUTE out
!
!
!
!
interface ge0/2
ip address 10.2.16.2/24
no shutdown
!
```

```

no shutdown
access-list SPKE_LOOPBACKs out
!
interface ge0/3
ip address 10.5.6.1/24
no shutdown
access-list BLOCK_IOS13_TELNET in
vrrp 56
priority 150
track-omp
ipv4 10.5.6.254
!
dhcp-server
address-pool 10.5.6.0/24
offer-time 600
lease-time 86400
admin-state up
options
default-gateway 10.5.6.254
dns-servers 8.8.8.8
!
!
!
interface loopback0
ip address 10.1.0.1/32
no shutdown
!
ip route 10.1.0.0/24 10.1.16.16
ip route 10.1.0.16/32 10.1.16.16
ip route 10.5.16.0/24 10.1.16.16
omp
advertise ospf external
!
!
vpn 512
interface eth0
ip dhcp-client
ipv6 dhcp-client
no shutdown
!
!
policy
lists
data-prefix-list IOS13_LOOPBACK
ip-prefix 13.13.13.13/32
!
data-prefix-list IOS14_LOOPBACK
ip-prefix 14.14.14.14/32
!
data-prefix-list IOS15_LOOPBACK
ip-prefix 15.15.15.15/32
!
!
route-policy RP_BGP_ROUTES
sequence 1
action accept
set
local-preference 1000
!
!
!
default-action reject
!
access-list BLOCK_IOS13_TELNET
sequence 10
match
destination-data-prefix-list IOS13_LOOPBACK
destination-port 23
protocol 6
!
action drop
count TELNET_COUNTER
!
!
default-action accept
!
access-list SPKE_LOOPBACKs
sequence 1
match
source-data-prefix-list IOS13_LOOPBACK
!
action drop
count IOS13_COUNTER
!
!
sequence 2
match

```

```

interface ge0/3
ip address 10.5.6.2/24
no shutdown
vrrp 56
priority 125
track-omp
ipv4 10.5.6.254
!
dhcp-server
address-pool 10.5.6.0/24
offer-time 600
lease-time 86400
admin-state up
options
default-gateway 10.5.6.254
dns-servers 8.8.8.8
!
!
!
interface loopback0
ip address 10.1.0.2/32
no shutdown
!
ip route 10.1.0.16/32 10.2.16.16
ip route 10.5.16.0/24 10.2.16.16
omp
advertise ospf external
!
!
vpn 512
name MGMT
interface eth0
shutdown
!
!
policy
route-policy RP_BGP_ROUTE
sequence 1
action accept
set
local-preference 2000
!
!
!
default-action reject

```

	<pre>source-data-prefix-list IOS14_LOOPBACK ! action drop count IOS14_COUNTER ! ! sequence 3 match source-data-prefix-list IOS15_LOOPBACK ! action drop count IOS15_COUNTER ! ! default-action accept !</pre>	