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REMOTE_LAN_SWITCH>  
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REMOTE_LAN_SWITCH>en  
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REMOTE_LAN_SWITCH#
REMOTE_LAN_SWITCH#term len 0
REMOTE_LAN_SWITCH#
REMOTE_LAN_SWITCH#show run
Building configuration...

Current configuration : 1901 bytes
!
! Last configuration change at 17:53:25 CST Fri Sep 30 2016
!
version 15.0
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
service compress-config
!
hostname REMOTE_LAN_SWITCH
!
boot-start-marker
boot-end-marker
!
!
logging discriminator EXCESS severity drops 6 msg-body drops EXCESSCOLL
logging buffered 50000
logging console discriminator EXCESS
!
no aaa new-model
clock timezone CST 8
!
ip cef
no ip domain-lookup
!
no ipv6 cef
vtp mode transparent
!
!
!
spanning-tree mode rapid-pvst
spanning-tree extend system-id
!
vlan internal allocation policy ascending
!
vlan 100,200
!
!
!
!
!
!
!
interface Loopback0
 ip address 50.50.50.50 255.255.255.255
!
interface Ethernet0/0
 description connected remote_cpe
 no switchport
 ip address 10.9.1.1 255.255.255.224
 duplex auto
```

```
!  
interface Ethernet0/1  
    duplex auto  
!  
interface Ethernet0/2  
    description connected to LAN_sw  
    no switchport  
    ip address 10.0.40.2 255.255.255.252  
    duplex auto  
!  
interface Ethernet0/3  
    shutdown  
    duplex auto  
!  
interface Ethernet1/0  
    duplex auto  
!  
interface Ethernet1/1  
    duplex auto  
!  
interface Ethernet1/2  
    duplex auto  
!  
interface Ethernet1/3  
    duplex auto  
!  
interface Vlan1  
    no ip address  
    shutdown  
!  
!  
router eigrp 100  
    network 10.9.1.0 0.0.0.31  
    network 192.0.0.0 0.255.255.255  
    redistribute connected route-map TAG  
!  
router bgp 600  
    bgp router-id 50.50.50.50  
    bgp log-neighbor-changes  
    neighbor 10.0.40.1 remote-as 500  
!  
    address-family ipv4  
        redistribute connected  
        redistribute eigrp 100 route-map EIGRP-TO-BGP  
        neighbor 10.0.40.1 activate  
    exit-address-family  
!  
!  
ip forward-protocol nd  
no ip http server  
!  
!  
no cdp advertise-v2  
!  
route-map EIGRP-TO-BGP permit 10  
!  
route-map BGP-TO-EIGRP permit 10  
!  
route-map TAG permit 10  
    set tag 200  
!  
!  
!  
control-plane  
!  
!  
line con 0  
    logging synchronous  
line aux 0  
line vty 0 4  
    login  
    transport input all  
!
```

end

REMOTE\_LAN\_SWITCH#

REMOTE\_LAN\_SWITCH#show ip int brie

Interface	IP-Address	OK?	Method	Status	Protocol
Ethernet0/0	10.9.1.1	YES	manual	up	up
Ethernet0/1	unassigned	YES	unset	up	up
Ethernet0/2	10.0.40.2	YES	NVRAM	up	up
Ethernet0/3	unassigned	YES	unset	administratively down	down
Ethernet1/0	unassigned	YES	unset	up	up
Ethernet1/1	unassigned	YES	unset	up	up
Ethernet1/2	unassigned	YES	unset	up	up
Ethernet1/3	unassigned	YES	unset	up	up
Loopback0	50.50.50.50	YES	NVRAM	up	up
Vlan1	unassigned	YES	NVRAM	administratively down	down

REMOTE\_LAN\_SWITCH#

REMOTE\_LAN\_SWITCH#show ip route

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP  
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area  
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2  
E1 - OSPF external type 1, E2 - OSPF external type 2  
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2  
ia - IS-IS inter area, \* - candidate default, U - per-user static route  
o - ODR, P - periodic downloaded static route, H - NHRP, l - LISP  
+ - replicated route, % - next hop override

Gateway of last resort is not set

1.0.0.0/32 is subnetted, 1 subnets  
B 1.1.1.1 [20/0] via 10.0.40.1, 1d19h  
2.0.0.0/32 is subnetted, 1 subnets  
B 2.2.2.2 [20/307200] via 10.0.40.1, 1d19h  
6.0.0.0/32 is subnetted, 1 subnets  
D EX 6.6.6.6 [170/307200] via 10.9.1.11, 1d19h, Ethernet0/0  
9.0.0.0/32 is subnetted, 1 subnets  
B 9.9.9.9 [20/0] via 10.0.40.1, 1d19h  
10.0.0.0/8 is variably subnetted, 4 subnets, 3 masks  
C 10.0.40.0/30 is directly connected, Ethernet0/2  
L 10.0.40.2/32 is directly connected, Ethernet0/2  
C 10.9.1.0/27 is directly connected, Ethernet0/0  
L 10.9.1.1/32 is directly connected, Ethernet0/0  
50.0.0.0/32 is subnetted, 1 subnets  
C 50.50.50.50 is directly connected, Loopback0  
100.0.0.0/32 is subnetted, 1 subnets  
D EX 100.100.100.100 [170/307200] via 10.9.1.11, 1d19h, Ethernet0/0  
B 192.168.0.0/24 [20/0] via 10.0.40.1, 1d19h

REMOTE\_LAN\_SWITCH#

REMOTE\_LAN\_SWITCH#show ip eigrp topology

EIGRP-IPv4 Topology Table for AS(100)/ID(50.50.50.50)

Codes: P - Passive, A - Active, U - Update, Q - Query, R - Reply,  
r - reply Status, s - sia Status

P 10.9.1.0/27, 1 successors, FD is 281600  
via Connected, Ethernet0/0  
P 50.50.50.50/32, 1 successors, FD is 128256, tag is 200  
via Rconnected (128256/0)  
P 100.100.100.100/32, 1 successors, FD is 307200, tag is 10  
via 10.9.1.11 (307200/51200), Ethernet0/0  
P 10.0.40.0/30, 1 successors, FD is 281600, tag is 200  
via Rconnected (281600/0)  
P 2.2.2.2/32, 0 successors, FD is Inaccessible, tag is 10  
via 10.9.1.11 (307200/51200), Ethernet0/0  
P 6.6.6.6/32, 1 successors, FD is 307200, tag is 10  
via 10.9.1.11 (307200/51200), Ethernet0/0  
P 1.1.1.1/32, 0 successors, FD is Inaccessible, tag is 10  
via 10.9.1.11 (307200/51200), Ethernet0/0  
P 9.9.9.9/32, 0 successors, FD is Inaccessible, tag is 10  
via 10.9.1.11 (307200/51200), Ethernet0/0

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