CCIE lab routing & switching (v5.0)

Troubleshooting

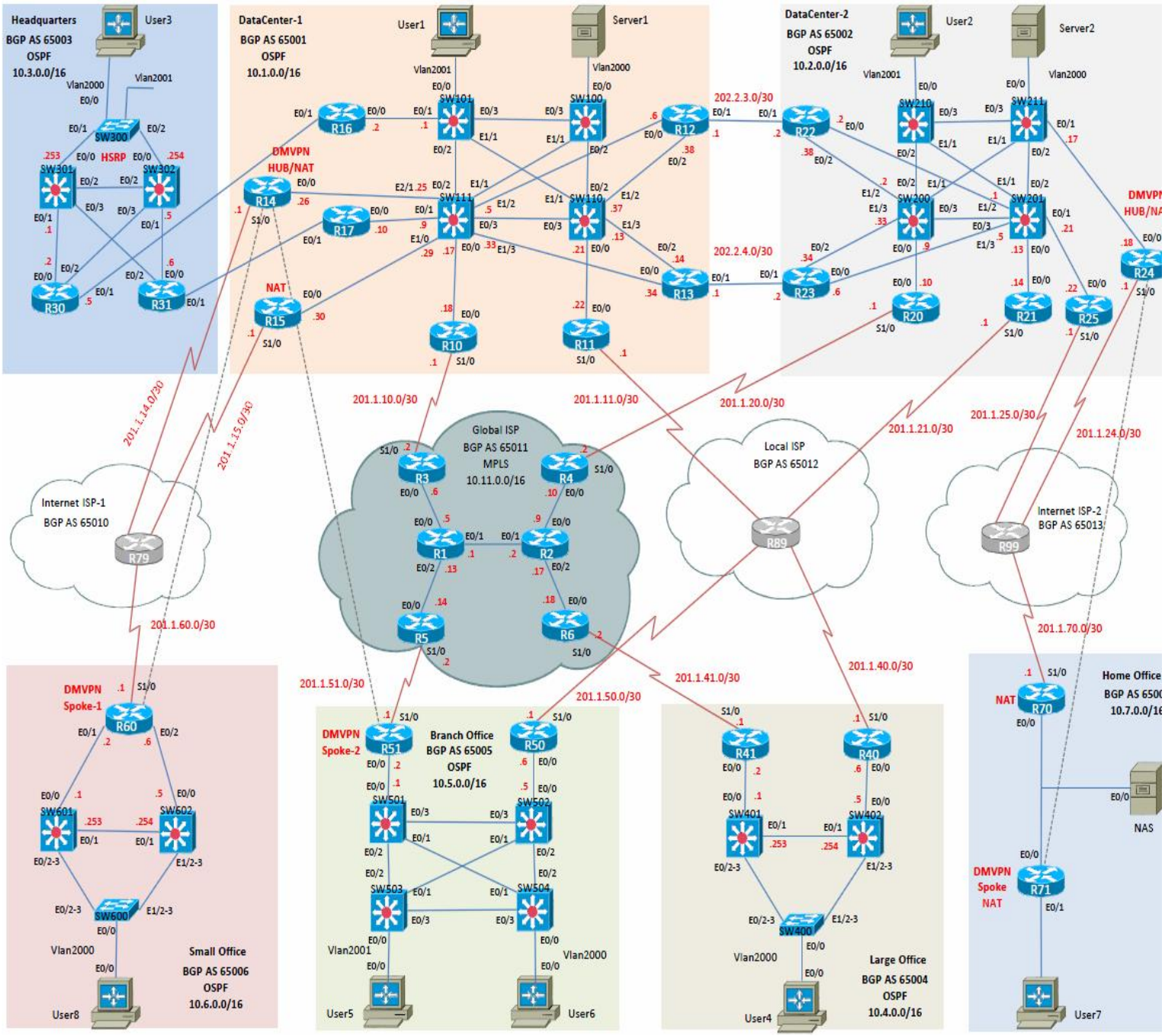
Ver:V2.1

(passed Version)

HI

Please remember all questions and solutions,this solutions is 100% right,do not worry.

We will update pre-configed and iou files next update



Pre-configuration:

```
R1
!
! Last configuration change at 23:59:59 GMT Fri Dec 31 1999
version 15.2
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname R1
!
boot-start-marker
boot-end-marker
!
!
!
no aaa new-model
clock timezone CET 1 0
mmi polling-interval 60
no mmi auto-configure
no mmi pvc
mmi snmp-timeout 180
!
!
!
!
!
!
ip cef
no ipv6 cef
!
multilink bundle-name authenticated
no mpls ip propagate-ttl
!
!
!
!
!
!
!
!
!
!
redundancy
!
```

```
!
!
!
!
!
!
!
!
!
!
!
!
!
interface Loopback0
 ip address 123.1.1.1 255.255.255.255
!
interface Ethernet0/0
 ip address 10.1.2.1 255.255.255.252
 ip ospf 1 area 0
 mpls ip
!
interface Ethernet0/1
 ip address 10.1.3.1 255.255.255.252
 ip ospf 1 area 0
!
interface Ethernet0/2
 ip address 10.1.5.1 255.255.255.252
 ip ospf 1 area 0
 mpls label protocol ldp
 mpls ip
!
interface Ethernet0/3
 no ip address
 shutdown
!
interface Ethernet1/0
 no ip address
 shutdown
!
interface Ethernet1/1
 no ip address
 shutdown
!
interface Ethernet1/2
```

```
 no ip address
 shutdown
!
interface Ethernet1/3
 no ip address
 shutdown
!
interface Ethernet2/0
 no ip address
 shutdown
!
interface Ethernet2/1
 no ip address
 shutdown
!
interface Ethernet2/2
 no ip address
 shutdown
!
interface Ethernet2/3
 no ip address
 shutdown
!
router ospf 1
!
router bgp 10000
 bgp router-id 123.1.1.1
 bgp log-neighbor-changes
 no bgp default ipv4-unicast
 neighbor iBGP-RRs peer-group
 neighbor iBGP-RRs remote-as 10000
 neighbor iBGP-RRs update-source Loopback0
 neighbor 123.3.3.3 peer-group iBGP-RRs
 neighbor 123.4.4.4 peer-group iBGP-RRs
 neighbor 123.5.5.5 peer-group iBGP-RRs
 neighbor 123.6.6.6 peer-group iBGP-RRs
 !
 address-family ipv4
  neighbor iBGP-RRs send-community both
  neighbor iBGP-RRs route-reflector-client
  neighbor 123.3.3.3 activate
  neighbor 123.4.4.4 activate
  neighbor 123.5.5.5 activate
  neighbor 123.6.6.6 activate
```

```
 exit-address-family
 !
 address-family vpnv4
  neighbor iBGP-RRs send-community both
  neighbor iBGP-RRs route-reflector-client
  neighbor 123.3.3.3 activate
  neighbor 123.4.4.4 activate
  neighbor 123.5.5.5 activate
  neighbor 123.6.6.6 activate
 exit-address-family
!
ip forward-protocol nd
!
!
no ip http server
no ip http secure-server
!
!
!
mpls ldp router-id Loopback0 force
!
control-plane
!
!
!
!
!
!
!
line con 0
 privilege level 15
 logging synchronous
line aux 0
line vty 0 4
 privilege level 15
 password cisco
 login
 transport input all
!
!
end
```

```
R2
!
! Last configuration change at 23:59:59 GMT Fri Dec 31 1999
version 15.2
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
clock timezone CET 1 0
mmi polling-interval 60
no mmi auto-configure
no mmi pvc
mmi snmp-timeout 180
!
!
!
!
!
!
ip cef
no ipv6 cef
!
multilink bundle-name authenticated
no mpls ip propagate-ttl
!
!
!
!
!
!
!
!
!
!
redundancy
!
```