

知 Typical Configuration Of Interconnecting LANs through FR on AR28、AR46 Series Router--static mapping

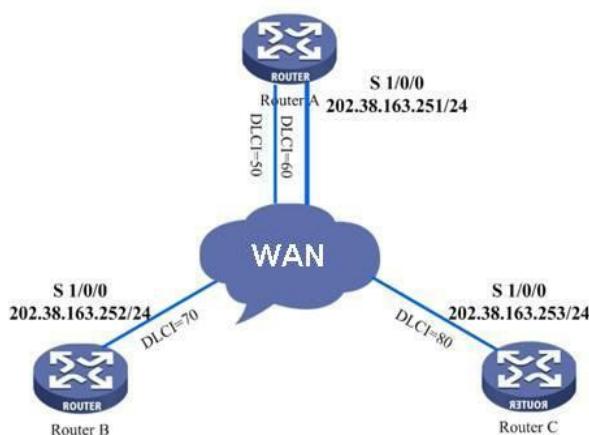
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[Requirements]

RouterA serves as the headquarters, and RouterB and RouterC are interconnected through FR.

[Networking diagram]



[Configuration script]

Configuration script (RouterA)

```
#  
sysname RouterA  
#  
radius scheme system  
#  
domain system  
#  
interface Serial1/0/0  
link-protocol fr      /Set the encapsulation mode to FR, which defaults to DTE/  
fr map ip 202.38.163.252 50  /Configure static address mapping to RouterB/  
fr map ip 202.38.163.253 60  /Configure static address mapping to RouterC/  
ip address 202.38.163.251 255.255.255.0  
#  
interface Ethernet0/0/0  
ip address 192.168.1.1 255.255.255.0  
#  
interface NULL0  
#  
user-interface con 0  
user-interface vty 0 4  
#  
return
```

Configuration script (RouterB)

```
#  
sysname RouterB  
#  
radius scheme system  
#  
domain system  
#  
interface Serial1/0/0  
link-protocol fr      /Set the encapsulation mode to FR, which defaults to DTE/  
fr map ip 202.38.163.251 70  /Configure static address mapping to RouterA/  
ip address 202.38.163.252 255.255.255.0  
#  
interface Ethernet0/0/0  
ip address 192.168.2.1 255.255.255.0  
#  
interface NULL0  
#  
user-interface con 0  
user-interface vty 0 4  
#  
return
```

Configuration script (RouterC)
<pre> # sysname RouterC # radius scheme system # domain system # interface Serial1/0/0 link-protocol fr /Set the encapsulation mode to FR, which defaults to DTE/ fr map ip 202.38.163.251 80 /Configure static address mapping to RouterA/ ip address 202.38.163.253 255.255.255.0 # interface Ethernet0/0/0 ip address 192.168.3.1 255.255.255.0 # interface NULL0 # user-interface con 0 user-interface vty 0 4 # return </pre>
Configuration script (FR switch)
<pre> # sysname FR-switch # fr switching /Enable FR switching/ # radius scheme system # domain system # interface Serial2/0/0 link-protocol fr fr interface-type dce /Set the interface type to DCE/ fr dlci 50 fr dlci 60 # interface Serial2/0/1 link-protocol fr fr interface-type dce /Set the interface type to DCE/ fr dlci 70 # interface Serial2/0/2 link-protocol fr fr interface-type dce /Set the interface type to DCE/ fr dlci 80 # interface NULL0 # fr switch A-B interface Serial2/0/0 dlci 50 interface Serial2/0/1 dlci 70 /Configure the PVC for RouterA and RouterB switching through FR/ fr switch A-C interface Serial2/0/0 dlci 60 interface Serial2/0/2 dlci 80 /Configure the PVC for RouterA and RouterC switching through FR/ # user-interface con 0 user-interface vty 0 4 # return </pre>

[Verification]

The headquarters and branches can successfully ping each other.