

知 Typical Configuration Of X.25 on AR28、AR46 Series Router--Connecting the Router to the X.25 PPSN

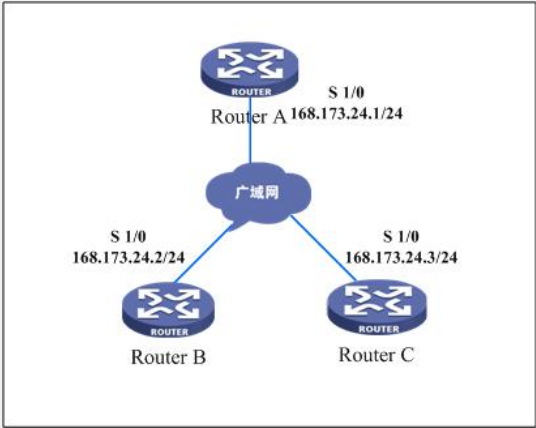
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Typical Configuration Of X.25 on AR28、AR46 Series Router--Connecting the Router to the X.25 PPSN

[Requirements]

RouterA serves as the headquarters, and the branches RouterB and RouterC are interconnected through the X.25 PPSN.

[Networking diagram]



[Configuration script]

Configuration script (RouterA)
<pre># sysname RouterA # radius scheme system # domain system # interface Serial1/0 link-protocol x25 /Set the encapsulation mode to X.25/ x25 x121-address 30561001 /Configure the local x121 address/ x25 vc-range bi-channel 1 16 /Set HTC to 16/ x25 map ip 168.173.24.2 x121-address 30561002 /Configure static address map ping to RouterB/ x25 map ip 168.173.24.3 x121-address 30561003 /Configure static address map ping to RouterC/ ip address 168.173.24.1 255.255.255.0 # interface Ethernet0/0 ip address 192.168.1.1 255.255.255.0 # interface NULL0 # user-interface con 0 user-interface vty 0 4 # return</pre>
Configuration script (RouterB)

```
#
sysname RouterB
#
radius scheme system
#
domain system
#
interface Serial1/0/0
link-protocol x25          /Set the encapsulation mode to X.25/
x25 x121-address 30561001  /Configure the local x121 address/
x25 vc-range bi-channel 1 16 /Set HTC to 16/
x25 map ip 168.173.24.1 x121-address 30561001 /Configure static address
mapping to RouterA/
x25 map ip 168.173.24.3 x121-address 30561003 /Configure static address
mapping to RouterC/
ip address 168.173.24.2 255.255.255.0
#
interface Ethernet0/0
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)

```
#
sysname RouterC
#
radius scheme system
#
domain system
#
interface Serial1/0/0
link-protocol x25          /Set the encapsulation mode to X.25/
x25 x121-address 30561003  /Configure the local x121 address/
x25 vc-range bi-channel 1 16 /Set HTC to 16/
x25 map ip 168.173.24.1 x121-address 30561001 /Configure static address ma
pping to RouterA/
x25 map ip 168.173.24.2 x121-address 30561002 /Configure static address ma
pping to RouterB/
ip address 168.173.24.3 255.255.255.0
#
interface Ethernet0/0
ip address 192.168.3.1 255.255.255.0
#
interface NULL0
#
user-interface con 0
user-interface vty 0 4
#
return
```

Configuration script (Switch-SVC)

```
#
sysname switch
#
x25 switching          /Enable X.25 switching/
#
radius scheme system
#
domain system
#
interface Serial2/0/0
link-protocol x25 dce    /Set X.25 working in the DCE mode/
#
interface Serial2/0/1
link-protocol x25 dce    /Set X.25 working in the DCE mode/
#
interface Serial2/0/2
link-protocol x25 dce    /Set X.25 working in the DCE mode/
#
interface NULL0
#
x25 switch svc 30561001 interface Serial2/0/0 /Configure SVC routing/
x25 switch svc 30561002 interface Serial2/0/1
x25 switch svc 30561003 interface Serial2/0/2
#
user-interface con 0
user-interface vty 0 4
#
return
```

[Verification]

The headquarters can interwork with the branches.

X.25 vc information on RouterA:

```
<RouterA>disp x25 vc
Interface: Serial1/0
SVC 15
State: P4(transmit)
Map: ip 168.173.24.3 to 30561003
Window size: input 2 output 2
Packet Size: input 128 output 128
Local PS: 1 Local PR: 1 Remote PS: 0 Remote PR: 1
Local Busy: FALSE Reset times: 0
Input/Output:
DATA 1/1 INTERRUPT 0/0
RR 0/0 RNR 0/0 REJ 0/0
Bytes 84/84
Send Queue(Current/Max): 0/200

Interface: Serial1/0
SVC 16
State: P4(transmit)
Map: ip 168.173.24.2 to 30561002
Window size: input 2 output 2
Packet Size: input 128 output 128
Local PS: 1 Local PR: 1 Remote PS: 0 Remote PR: 1
Local Busy: FALSE Reset times: 0
Input/Output:
DATA 1/1 INTERRUPT 0/0
RR 0/0 RNR 0/0 REJ 0/0
Bytes 84/84
Send Queue(Current/Max): 0/200
```

X.25 route table information on the switch:

```
<switch>disp x25 switch-table svc dynamic
#1 (In: Serial2/0/0 - SVC16 ) <--> (Out: Serial2/0/1 - SVC1 )
#2 (In: Serial2/0/0 - SVC15 ) <--> (Out: Serial2/0/2 - SVC1 )
```

[Tip]

1. The X121 address is provided by the ISP, and is meaningful globally, similar to the telephone number.
2. The HTC parameter is also provided by the ISP, and defaults to [1,1024]. You must use the **x25 vc-range bi-channel 1 16** command to change it to that value; otherwise, the equipment fails to ping the peer address.