Typical X.25 Configutaion

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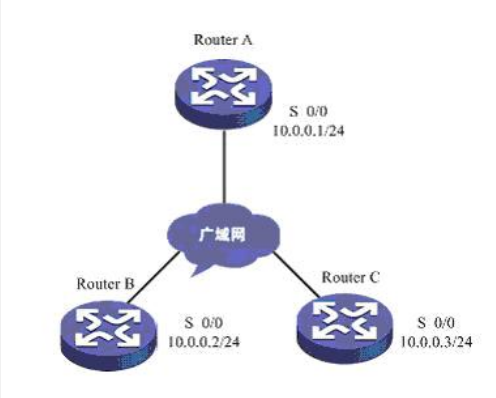
Keywords：MSR ;X.25

1. Requirements

Router A serves as the headquarters, and the branches Router B and Router C are i nterconnected through the X.25 PPSN.

Device：MSR series router 3

2. Network diagram:



3. Configuration steps:

Device and version：MSR series、Version 5.20 and Beta 1202P01

RTA key configuration scripts
interface Serial0/0 // Set the encapsulation mode to X.25 link-protocol x25 // Configure the local x121 address x25 x121-address 1001 //set HTC to16 x25 vc-range bi-channel 1 16 // Configure static address mapping to Router B x25 map ip 10.0.0.2 x121-address 1002 // Configure static address mapping to Router C x25 map ip 10.0.0.3 x121-address 1003 ip address 10.0.0.1 255.255.255.0 #
RTB key configuration scripts
interface Serial0/0 // Set the encapsulation mode to X.25 link-protocol x25 // Configure the local x121 address x25 x121-address 1002 // Set HTC to 16 x25 vc-range bi-channel 1 16 // Configure static address mapping to Router A x25 map ip 10.0.0.1 x121-address 1001 // Configure static address mapping to Router C x25 map ip 10.0.0.3 x121-address 1003 ip address 10.0.0.2 255.255.255.0 #
RTC key configuration scripts

```
#
interface Serial0/0
 // Set the encapsulation mode to X.25
 link-protocol x25
 // Configure the local x121 address
 x25 x121-address 1003
 // Set HTC to 16
 x25 vc-range bi-channel 1 16
 // Configure static address mapping to RouterA
 x25 map ip 10.0.0.1 x121-address 1001
 // Configure static address mapping to RouterB
 x25 map ip 10.0.0.2 x121-address 1002
 ip address 10.0.0.3 255.255.255.0
#
```

SVC key configuration scripts

```
#
// Enable X.25 switching
x25 switching
#
interface Serial5/0
 // Set X.25 working in the DCE mode
 link-protocol x25 dce
#
interface Serial5/1
 // Set X.25 working in the DCE mode
 link-protocol x25 dce
#
interface Serial5/2
 // Set X.25 working in the DCE mode
 link-protocol x25 dce
#
interface NULL0
#
 // Configure SVC routing
 x25 switch svc 1001 interface Serial5/0
 x25 switch svc 1002 interface Serial5/1
 x25 switch svc 1003 interface Serial5/2
#
```

4. Tips:

1. The X121 address is provided by the ISP and it is global, and 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 its value; otherwise, the equipment fails to ping the peer address.

3. Headquarters Router A can interconnect to the branches Router B and Router C