The configuration of IPv6 MLD In MSR Series

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Keywords:MSR;MLD;Multicast;IPv6

I Requirement for the diagram

The interface E0/1 of RTA connect multicast source, E0/2 connect RTB, enable PIM-DM under these interface; The interface E0/2 of RTB connect hostA, which is the multicast receiver, enable MLD protocol.

Device List:2 MSR

CMW Version: version 5.20, Beta 1106

II Network topology

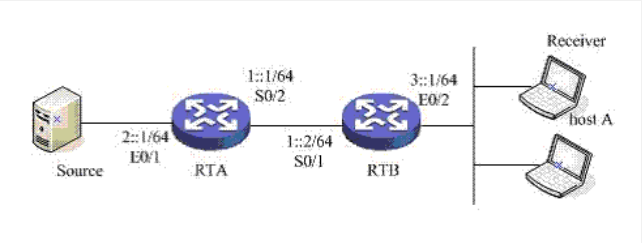

Figure 1 IPv6 MLD

III Steps of configuration

RTA

```
#
//Enable IPv6
 ipv6
#
//Enable IPv6 Mulcast
 multicast ipv6 routing-enable
#
//Connect to IPv6 multicast source
interface Ethernet0/1
port link-mode route
 ipv6 address 2::1/64
 undo ipv6 nd ra halt
 pim ipv6 dm
#
//Connect RTB
interface Serial0/2
 link-protocol ppp
 ipv6 address 1::1/64
 pim ipv6 dm
#
```

RTB

```
#
//Enable IPv6
 ipv6
#
//Enable IPv6 Multicast
 multicast ipv6 routing-enable
#
//Connect IPv6 multicast Receiver
interface Ethernet0/2
 port link-mode route
 ipv6 address 3::1/64
 undo ipv6 nd ra halt
 mld enable
mld version 2
 pim ipv6 dm
#
//Connect RTA
interface Serial0/1
 link-protocol ppp
 ipv6 address 1::2/64
 pim ipv6 dm
#
```

IV Key notes in the configuration

1) Enable IPv6 and IPv6 Multicast global;

2) Make sure RTA and RTB can reach each other;

3) Enable MLD at the edge of the interface.