The configuration of ISIS In MSR Series

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The configuration of ISIS In MSR Series

Keywords: MSR;IPv6;ISIS

I   Requirement for the diagram

Running ISIS, make every router reachable.

Device List: 3 MSR;

CMW Version: Version 5.20, Beta 1105
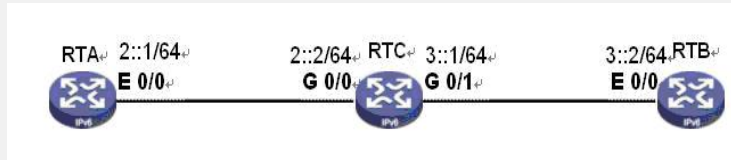
II   Network topology

Figure 1 ISIS Routing Protocol

III   Steps of configuration

RTA
[RTA]ipv6   //enable Ipv6 [RTA]isis 1 **[RTA-isis-1]network-entity 86.0001.0000.0000.0006.00** [RTA-isis-1]ipv6 enable [RTA-isis-1]quit [RTA]interface Ethernet 0/0 [RTA-Ethernet0/0]ipv6 address 2::1/64 [RTA-Ethernet0/0]isis ipv6 enable 1 [RTA-Ethernet0/0]quit
RTB
[RTB]ipv6   //enable Ipv6 [RTB] isis 1   //config isis, process number is 1 [RTB-isis-1]ipv6 enable   //enable isis IPv6 [RTB-isis-1]network-entity 86.0001.0000.0000.0005.00//set the entity number [RTB-isis-1]quit [RTB]interface Ethernet 0/0 [RTB-Ethernet0/0]ipv6 address 3::2/64 [RTB-Ethernet0/0]isis ipv6 enable 1   //enable isis IPv6 under interface [RTB-Ethernet0/0]quit
RTC
[RTC]ipv6 [RTC]isis 1 [RTC-isis-1]ipv6 enable [RTC-isis-1]network-entity 86.0001.0000.0000.0007.00 [RTC-isis-1]quit [RTC]interface GigabitEthernet 0/0 [RTC-GigabitEthernet0/0]ipv6 address 2::2/64 [RTC-GigabitEthernet0/0]isis ipv6 enable 100 [RTC-GigabitEthernet0/0]quit [RTC]interface GigabitEthernet 0/1 [RTC-GigabitEthernet0/1]ipv6 address 3::1/64 [RTC-GigabitEthernet0/1]isis ipv6 enable 100 [RTC-GigabitEthernet0/1]quit

IV   Key notes in the configuration

1) network-entity must be unique;

2) ISIS must be enabled under every interface.