Content

Chapter 1 Commands for Tunnel Resources Sharing

1.1 loopback-group (Global)

Command: loopback-group *<id>*

      no loopback-group <id>

Function: Create the loopback group. The no command deletes it.

Parameters: *<id >* is the loopback group id; the range is 1-128.

Command Mode: Global Mode.

Default: None.

Usage Guide: This command can create the loopback group. Notice: the loopback group id cannot be shared with the port-channel id. If one group id is used by the port-channel, the loopback group cannot use it.

Example: Create the loopback group 1.

AC(config)# loopback-group 1

1.2 loopback-group (Port)

Command: loopback-group *<id>*

      no loopback-group

Function: Make the layer2 Ethernet port join to the appointed loopback group. The no command removes it.

Parameters: *<id >* is the loopback group id; the range is 1-128

Command Mode: Port Configuration Mode.

Default: None.

Usage Guide: Before join the appointed port to the loopback group, please make sure that the port is free and there is no any configuration on it.

Example: Make the port 1/1 to the loopback group 1.

AC (config-if-ethernet1/1)#loopback-group 1

1.3 l2tunnel share slot <slotId> loopback-group <id>

Command: l2tunnel share slot *<slotId>* loopback-group *<id>*

      no l2tunnel share slot *<slotId>*

Function: Enable the tunnel resources sharing of the board and appoint the loopback

group. The no command disables this function.

Parameters: *<slotid>* is the slot id of the board. The range is from 1 to the largest id that the product supports; *<id>* is the loopback group id and the range is 1-128.

Default: Disable.

Command Mode: Wireless Global Mode.

Usage Guide: When appointing the loopback group for the board, the member port of the loopback group must be the port on that board only. If the appointed loopback group includes the port of other board or the member port is not added in the loopback group, there will be the prompt when enables this command. When choosing the member port, we suggest choosing the port with larger bandwidth.

Example: Enable the tunnel resources sharing function of slot 1 and appoint the loopback group 1.

AC(config-wireless)#l2tunnel share slot 1 loopback-group 1

1.4 show wireless l2tunnel tunnel-list invalid

Command: show wireless l2tunnel tunnel-list invalid

Function: Show the wireless tunnel without the hardware tunnel list resources.

Parameters: None.

Default: None.

Command Mode: Admin Mode.

Usage Guide: When the number of the wireless tunnels exceeds the current number of the hardware tunnels which can be provided, the tunnels without hardware tunnel list will be at the status of invalid. This command shows all the invalid tunnels.

Example: Show the invalid tunnels of this device.

AC#show wireless l2tunnel tunnel-list invalid

Tunnel List

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tunnel_name	SIP&DIP	SPORT	DPORT	TYPE

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capwaptnl1846	1.1.1.1	57778	57779	ap2ac
	172.16.0.176			
capwaptnl1821	1.1.1.1	57778	57779	ap2ac
	172.16.0.208			
capwaptnl1709	1.1.1.1	57778	57779	ap2ac
	172.16.0.210			

1.5 show wireless l2tunnel ap status

Command: show wireless l2tunnel ap status

Function: Show the tunnel occupying situation of all the current managed APs.

Parameters: None.

Default: None.

Command Mode: Admin Mode.

Usage Guide: This command can show the tunnel occupying situation according to AP. It is convenient for the administrator to check which AP does not have the hardware tunnel. The AP without hardware tunnel cannot conduct the centralized forwarding.

Example: Show the tunnel occupying situation of all the current managed APs.

AC#show wireless l2tunnel ap status

AP MAC	AP IP	Need Tunnel	Have Tunnel	SLOT ID
00-01-7a-f6-c4-c0	192.168.99.1	1	1	1
00-03-0f-26-15-60	192.168.99.2	1	1	1
00-03-0f-cc-cc-10	172.16.0.3	1	1	1

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1.6 show dmll3 neighbors <ipv4|ipv6>

Command: show dmll3 neighbors <ipv4|ipv6>

Function: Show the ARP map information of the cache IPv4 in the driver middle layer, or show the ND information of the cache IPv6 in the driver middle layer.

Parameters: <ipv4|ipv6>: ipv4 shows the ARP map information; ipv6 shows the ND information.

Default: None.

Command Mode: Admin Mode.

Usage Guide: The content that the command of show dmll3 neighbors ipv4 shows should be corresponding to the lists of show arp. The content that the command of show dmll3 neighbors ipv6 shows should be corresponding to the lists of show ipv6 neighbors. If the lists are less or more, there is error.

Example: Show the ARP map information of the cache IPv4 in the driver middle layer.

AC#show dmll3 neighbors ipv4

Address	Hardware Addr	Port	VRF	Address	subvlan VID
172.16.0.3	20-6a-8a-65-0a-be	Ethernet1/1	0	0x6e38f13c	11
172.16.0.4	20-6a-8a-65-0a-be	Ethernet1/1	0	0x138440d4	11

172.16.0.5	20-6a-8a-65-0a-be	Ethernet1/1	0	0x6e3a9e7c	11
172.16.0.6	20-6a-8a-65-0a-be	Ethernet1/1	0	0x6e38f0b4	11
172.16.0.7	20-6a-8a-65-0a-be	Ethernet1/1	0	0x6e3a9df4	11