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Chapter 1 Remote Global Control Commands of ONU

1.1 Configuring DHCP Snooping of ONU

Only when ONU DHCP snooping is enabled can other ONU-DHCP-related configurations be released to ONU, or these configurations are only stored locally.

Enter the LLIP port mode and follow the following steps to configure ONU DHCP snooping.

Command	Purpose
Configure	Enters the global configuration mode.
Interface epon port:llid	Enters the LLID interface configuration mode.
epon onu dhcp snooping {enable disable} no epon onu dhcp snooping enable	Enables or disables ONU DHCP snooping.
Exit	Goes back to the global configuration mode.
Exit	Goes back to the EXEC mode.
Write	Saves the settings.

1.2 Configuring DHCP Snooping Quick-Refresh of ONU

Enter the LLIP port mode and follow the following steps to configure DHCP snooping quick-refresh of ONU.

Command	Purpose
Configure	Enters the global configuration mode.
Interface epon port:llid	Enters the LLID interface configuration mode.
epon onu dhcp snooping quick-refresh {enable disable} no epon onu dhcp snooping quick-refresh enable	Enables or disables onu dhcp snooping quick-refresh.
Exit	Goes back to the global configuration mode.

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Exit	Goes back to the EXEC mode.
Write	Saves the settings.

1.3 Configuring DHCP Snooping VLAN of ONU

Enter the LLIP port mode and follow the following steps to configure ONU VLAN.

Command	Purpose
Configure	Enters the global configuration mode.
Interface epon <i>port:lld</i>	Enters the LLID interface configuration mode.
epon onu dhcp snooping vlan <i>vlan-id</i> { dai {enable disable} ip_src_inspect {enable disable} } no epon onu dhcp snooping vlan <i>vlan-id</i> [dai enable ip_src_inspect enable]	Enables or disables onu dhcp snooping vlan.
Exit	Goes back to the global configuration mode.
Exit	Goes back to the EXEC mode.
Write	Saves the settings.

1.4 Configuring DHCP Snooping Option82 of ONU

Enter the LLIP port mode and follow the following steps to configure ONU option82.

Command	Purpose
Configure	Enters the global configuration mode.
Interface epon <i>port:lld</i>	Enters the LLID interface configuration mode.
epon onu dhcp snooping opt-82 { enable {apend-and-forward drop forward} {manual circuit-id xxx remote-id xxx vendor-specific xxx default} disable } no epon onu dhcp snooping opt-82	Enables or disables onu dhcp snooping option82.
Exit	Goes back to the global configuration mode.
Exit	Goes back to the EXEC mode.
Write	Saves the settings.

Chapter 2 Remote UNI Control Configuration of ONU

2.1 Configuring Dhcp Snooping Trust of the UNI Port on ONU

Enter the LLIP port mode and follow the following steps to configure **dhcp snooping trust port** on the UNI port.

Command	Purpose
Configure	Enters the global configuration mode.
Interface epon <i>port:llid</i>	Enters the LLID interface configuration mode.
epon onu port <i>port-num</i> dhcp snooping trust {port arp ip}{enable disable} no epon onu port <i>port-num</i> dhcp snooping trust [{port arp ip}enable]	Enables or disables dhcp snooping trust-port on the UNI port of ONU.
Exit	Goes back to the global configuration mode.
Exit	Goes back to the EXEC mode.
Write	Saves the settings.

2.2 Configuring DHCP Snooping Bind on the UNI Port of ONU

Enter the LLIP port mode and follow the following steps to configure **dhcp snooping bind ip** and **dhcp snooping bind mac** on the UNI port.

Command	Purpose
Configure	Enters the global configuration mode.
Interface epon <i>port:llid</i>	Enters the LLID interface configuration mode.
epon onu port <i>port-num</i> dhcp snooping bind ip-mac-addr ip-address mac-address no epon onu port <i>port-num</i> dhcp snooping bind	Enables or disables onu dhcp snooping bind. <i>port-num</i> stands for the UNI port. <i>ip-address</i> stands for the IP address.

ip-mac-addr [ip-address mac-address]	mac-addr means a MAC address.
Exit	Goes back to the global configuration mode.
Exit	Goes back to the EXEC mode.
Write	Saves the settings.

2.3 Configuring DHCP Snooping Bind Information on the UNI Port of ONU

During the operation of ONU, the administrator needs to know the information about DHCP snooping-bind on the current ONU port through related commands.

Command	Purpose
show epon interface <i>interface-id</i> onu port <i>num</i> dhcp_bind_ip_mac	Displays the state of the ONU port. interface-id means the ID of the LLID port that ONU corresponds to. num stands for the ID of the ONU UNI port.