

Remote Control Commands of ONU

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Chapter 1 Global Remote Control Commands of ONU

1.1 epon onu dhcp snooping

Syntax

epon onu dhcp snooping {enable | disable}

no epon onu dhcp snooping enable

The above-mentioned commands are used to enable or disable ONU dhcp snooping.

Parameter

Default value

The function is disabled by default.

Remarks

This command is configured in LLID port mode.

Example

Before enabling DHCP snooping of ONU that corresponds to the epon0/1:1 LLID port, you need first to enable this function. You need first to set other related configurations of ONU DHCP snooping on OLT and then these configurations can be released to ONU.

```
switch_config#interface e0/1:1
```

```
switch_config_epon0/1:1#epon onu dhcp snooping enable
```

1.2 epon onu dhcp snooping quick-refresh

Syntax

epon onu dhcp snooping quick-refresh {enable | disable}

no epon onu dhcp snooping quick-refresh enable

The above-mentioned commands are used to enable or disable ONU dhcp snooping quick-refresh.

Parameter

Default value

The function is disabled by default.

Remarks

This command is configured in LLID port mode.

Example

The following example shows how to enable dhcp snooping quick-refresh of ONU , which corresponds to the LLID port, epon0/1:1.

```
switch_config#interface e0/1:1
```

```
switch_config_epon0/1:1#epon onu dhcp snoopingquick-refresh enable
```

1.3 epon onu dhcp snooping vlan

Syntax

epon onu dhcp snooping vlan vlan-id {dai {enable | disable} | ip_src_inspect {enable | disable} }

no epon onu dhcp snooping vlan vlan-id [dai enable | ip_src_inspect enable]

The above-mentioned commands are used to enable or disable ONU dhcp snooping vlan.

Parameter

Parameter	Description
vlan-id	vlan id 号

Default value

The function is disabled by default.

Remarks

This command is configured in LLID port mode.

Example

The following example shows how to enable **dhcp snooping vlan dai** and **dhcp snooping vlan ip source inspect** of ONU, which corresponds to the LLID port, epon0/1:1

```
switch_config#interface e0/1:1
```

```
switch_config_epon0/1:1#epon onu dhcp snooping vlan 2 dai enable
```

```
switch_config_epon0/1:1#epon onu dhcp snooping vlan 2 ip_src_inspect enable
```

1.4 epon onu dhcp snooping option82

Syntax

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

The above-mentioned commands are used to enable or disable ONU dhcp snooping option82.

Parameter

Parameter	Description
xxx	Means the character string.

Default value

The function is disabled by default.

Remarks

This command is configured in LLID port mode.

Example

The following example shows how to enable **dhcp snooping opt82 apend-and-forward** of ONU, which corresponds to the LLID port, epon0/1:1.

```
switch_config#interface e0/1:1
```

```
switch_config_epon0/1:1#epon onu dhcp snooping opt82 enable  
apend-and-forward manual circuit-id cir1 remote-id rem1 vendor-specific ven1
```

Chapter 2 Remote UNI Control Commands of ONU

2.1 epon onu port dhcp snooping trust

Syntax

```
epon onu port port-num dhcp snooping trust {port | arp | ip} {enable | disable}
no epon onu port port-num dhcp snooping trust [{port | arp | ip}enable ]
```

The above-mentioned commands are used to enable or disable dhcp snooping trust-port on the UNI port of ONU.

Parameter

Parameter	Description
<i>port-num</i>	Stands for the ONU UNI port ID.

Default value

The MVC function is disabled by default.

Remarks

This command is configured in LLID port mode.

Example

The following example shows how to set **dhcp snooping trust ip** of ONU UNI port 2, which corresponds to the LLID port, epon0/1:1.

```
switch_config#interface e0/1:1
```

```
switch_config_epon0/1:1#epon onu port 2 dhcp snooping trust ip enable
```

2.2 epon onu port dhcp snooping bind

Syntax

```
epon onu port port-num dhcp snooping bind ip-mac-addr ip-address
mac-address
```

```
no epon onu port port-num un dhcp snooping bind ip-mac-addr [ip-address
mac-address]
```

The above-mentioned commands are used to enable or disable **dhcp snooping bind ip and mac** on the UNI port of ONU.

Parameter

Parameter	Description
<i>port-num</i>	Stands for the ONU UNI port ID.

ip-address	Stands for the IP address.
mac-address	Stands for the MAC address.

Default value

The function is disabled by default.

Remarks

This command is configured in LLID port mode.

Example

The following example shows how to set **dhcp snooping bind** on UNI port 2 of ONU, which corresponds to LLID port epon0/1:1.

```
switch_config#interface e0/1:1
switch_config_epon0/1:1#epon onu port 2 dhcp snooping bind ip-mac-addr
192.168.1.25 ef.08.13
```

2.3 show epon onu port dhcp snooping bind

Syntax

show epon interface *interface-id* onu port *port-num* dhcp_bind_ip_mac

To display VLAN configuration and state of the UNI port, run the previous command.

Parameter

Parameter	Description
<i>interface-id</i>	Stands for the LLID port ID.
<i>port-num</i>	Stands for the UNI port of ONU.

Default value

N/A

Remarks

This command is used to display the IP and MAC that are bound by DHCP snooping on the UNI port of ONU.

Example

The example shows how to display the IP and MAC that are bound by DHCP snooping on UNI port 1 of ONU, which corresponds to LLID port epon0/1:1.

```
Switch_config#show epon int e1/1:1 onu port 1 dhcp_bind_ip_mac
Onu Port Bind Ip Mac Address Table (total number=2)
```

Ip Address	Mac Address
----- 10.0.0.1	----- 0002.0002.0003
10.0.0.2	0002.0002.0004