

Chapter 33: PPPoE Plus



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Chapter 33 PPPoE Plus

33.1 PPPoE Plus Overview

The Point-to-Point Protocol over Ethernet (PPPoE) is a network protocol for encapsulating Point-to-Point Protocol (PPP) frames inside Ethernet frames. It is used mainly with DSL services where individual users connect to the DSL modem over Ethernet and in plain Metro Ethernet networks. It was developed by UUNET, Redback Networks and RouterWare and is available as an informational RFC 2516.

33.2 Configure PPPoE Plus

33.2.1 PPPoE Plus Configuration List

Configuration Task	Description	Detailed Configuration
Enable PPPoE Plus	Required	33.2.2
Configure Option Content	Optional	33.2.3
PPPoE Plus Monitor and Maintenance	Optional	33.2.4

33.2.2 Enable PPPoE Plus

PPPoE packet will be forwarded to trust port. Trust port should be configured after enable this function. Generally, PPPoE plus will add option content to PPPoE packet. If the received PPPoE packet has contained option content, the handling strategy will be defined.

Operation	Command	Remarks
Enter global configuration mode	system-view	
Enable PPPoE Plus	pppoeplus	
Disable PPPoE Plus	undo pppoeplus	
Enter interface configuration mode	interface ethernet <i>interface-num</i>	
Configure PPPoE trust port	pppoeplus trust	
Delete PPPoE trust port	undo pppoeplus trust	
Configure option strategy	pppoeplus strategy { drop keep replace transmit }	
Configure PPPoE drop PADO/PADI	pppoeplus drop { padi pado }	
Delete PPPoE drop PADO/PADI	undo pppoeplus drop { padi pado }	

33.2.3 ConfigureOption Content

The option content need to be added before PPPoE packet forwarding out, the contents of this option can be determined by a variety of ways. Option content can be specified in interface configuration mode. If the content is not specified, it will be constructed according to configured rules. If pppoe plus type is self-defined, the format should also be specified.

Operation	Command	Remarks
Enter global configuration mode	system-view	
Configure PPPoE Plus type	pppoeplus type { huawei standard self-defined { circuit-id { <i>string</i> vlan port GPON-mac hostname client-mac } * remote-id { <i>string</i> GPON-mac hostname client-mac } * }	
Configure default PPPoE Plus type	undo pppoeplus type	By default, type

		is standard
Configure format	pppoeplus format { binary ascii }	Optional
Configure default format	undo pppoeplus format	By default, it is binary
Configure delimiter	pppoeplus delimiter { colon dot slash space }	
Configure default delimiter	undo pppoeplus delimiter	By default, it is space
Enter interface configuration mode	interface ethernet <i>interface-num</i>	
Specify circuit ID	pppoeplus circuit-id <i>string</i>	
Delete PPPoE cid	undo pppoeplus circuit-id	

33.2.4 PPPoE Plus Monitor and Maintenance

After finishing above configuration, user can check the configurations by command below.

Operation	Command	Remarks
Display PPPoE Plus configuration	display pppoeplus interface [ethernet <i>interface-list</i>]	