

Chapter 16: SSH



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16.1 SSH Overview

Secure Shell (SSH) can provide information security and powerful authentication to prevent such assaults as IP address spoofing, plain-text password interception when users log on to the GPON remotely through an insecure network environment.

SSH can take the place of the Telnet to provide safe management and configuration.

16.2 Configure SSH Server

A GPON, as a SSH server, can connect to multiple SSH clients. SSH clients can be both LAN users and WAN users. XXXX GPONs can only SSH server and support SSH v2.

The following table describes SSH server configuration tasks.

Operation	Command	Remarks
Enter privileged configuration mode	enable	
Configure the default key	ssh-server key create { rsa dss ecdsa }	
Clear configured key	ssh-server key delete { rsa dss ecdsa }	
Enter globally configuration mode	system-view	-
Enable SSH	ssh-server	By default, this function is disabled.

Disable SSH	undo ssh-server	
Config SSH User limit	ssh-server limit <i>max-num</i>	
Display SSH	display ssh-server	
Display SSH user limit	display ssh-server limit	

16.3 Log in GPON from SSH Client

To successfully establish SSH connection, pay attention to following points:

- 1) Create the connection between SSH client and server.
- 2) The version of client and server should be the same.
- 3) SSH function in server should be enabled.