Chapter 55: ONT System Management

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55.1 ONT System Management Overview

ONT system management provides ONT management operations, including common functions such as ONT restart, upgrade, and automatic configuration.

55.2 Configure ONT System Management

55.2.1 ONT Reboot

ONT reboot is used for the OLT to remotely reboot the ONT.

Operation	Command	Remarks
Enter system view	**system-view**	
Reboot ONT	**ont reboot** *ont_list*	

55.2.2 ONT Upgrade

ONT upgrade is used to upgrade the ONT software version. There are two modes for upgrading the ONT version: immediate and next-startup. Immediate means that after the software version is loaded into the ONT, the ONT will automatically restart and the software version will take effect immediately. Next-startup indicates that after the software version is loaded into the ONT, the ONT will not restart automatically. You need to manually restart the software version to take effect.

Operation	Command	Remarks
Enter system view	**system-view**	
Configuring ONT upgrade	**ont upgrade activemode-immediate** { *ont_id* | **sn** { **string-hex** *sn* | **hex** *hex* } }	Effective immediately
Configuring ONT Upgrade Filter	**ont upgrade activemode-immediate** { **include | exclude** } { **equipment-id** *id* | **software-version** *version* }	
Configuring the ONT upgrade time	**ont upgrade activemode-immediate timer** { *xx:xx:xx* | *xxxx/xx/xx* | **interval** *num* } { *ont_id* | **sn** { **string-hex** *sn* | **hex** *hex* } }	Take effect after next reboot
Configuring the ONT upgrade	**ont upgrade activemode-next-stratup** { **include | exclude** } { **equipment-id** *id* | **software-version** *version* }	
Configuring the ONT upgrade time	**ont upgrade activemode-next-startup timer** { *xx:xx:xx* | *xxxx/xx/xx* | **interval** *num* } { *ont_id* | **sn** { **string-hex** *sn* | **hex** *hex* } }	
Display ONT upgrade progress	**display ont upgrade-progress** { **image** | **ont-configuration** } { *ont_id* | **all** }	

55.2.3 ONT Activation

ONT activation is used to activate the ONT. All ONT IDs are active by default. After the online ONT is deactivated, the ONT will be forced to go offline. If the discovery function of the PON port is enabled, you can view the deactivated ONT in the discovery list.

Operation	Command	Remarks
Enter system view	**system-view**	
Active ONT	**ont active** *ont_id*	
Deactive ONT	**ont deactive** ont_id	

55.2.4 ONT Auto-configuration

When ONTs of the same type register in batches, ONT automatic configuration can be performed. You need to enable the ONT auto-configuration function first, and then configure the auto-configuration parameters. Different types of ONTs can deliver different line template configurations based on the Equipment ID.

Operation	Command	Remarks
Enter system view	**system-view**	
Enable ONT auto-configuration	**ont auto-config**	
Configure ONT auto-configuration parameters	**ont auto-config** { **name** *name* | *num* } { **all-ont** | **equipment-id** *id* } **line-profile** { *index* | **auto** }	

55.2.5 ONT Configuration Reset

This function is used to reset ONT WAN configuration and WIFI configuration. It is a private protocol and needs ONT support.

Operation	Command	Remarks
Enter system view	**system-view**	
Reset ONT WAN configuration	**ont restore-factory wan** *ont_id*	
Reset ONT WIFI configuration	**ont restore-factory wifi** *ont_id*	

55.3 ONT Log Management

ONT log management is used to configure the ONT logging function. Configurable ONT log prefix and timestamp.

Operation	Command	Remarks
Enter system view	**system-view**	
Configure the ONT log server IP	**ont-logging** *ip*	
Enable ONT logging	**ont-logging buffer** { **all**	*ont_id* }	
Enable ONT log printing	**ont-logging monitor** { *num*	**all** } { **all**	*ont_id* }	
Configure ONT log prefix	**ont-logging prefix** { **sn** [**ont_id**]	**ont _id** [**sn**] }	
Configure ONT log timestamp	**ont-logging timestamps** { **datetime**	**notime**	**rfc5424**	**uptime** }	
Display ONT log records	**display ont-logging buffer** { **all**	*ont_id* }	
Display ONT log function	**display ont-logging**	