

MA5800 Basic Operation and Maintenance (CLI)

Lab Guide

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Course Instruction

About this course

In this lab you will practice the tasks for MA5800 operation and maintenance.

Course objectives

Upon completion of this course, you will be able to:

- Understand the command features.
- Grasp the basic operation and maintenance.
- Complete the hardware operation.
- Grasp the management security of the system

Relevant Materials/Tools

- MA5800 Configuration Manual

Chapter 1 Basic Configurations

Task1: Outband network management configuration

- (1) Query IP address of maintenance network interface(M-ETH)
`display interface meth 0` _____
- (2) Enter the outband mode _____
- (3) Configure the IP address _____
- (4) Add static route for NMS _____ *(if the NMS and the MA5800 are in the different network segments)*
- (5) Delete the route for NMS _____

Task2: Inband network management configuration

- (6) Display the management VLAN _____
- (7) Display the uplink port to the VLAN _____
- (8) Display the IP address for the inband management VLAN
(management VLAN interface) _____
- (9) Display the route for NMS _____ *(if the NMS and the MA5800 are in the different network segments)*

Task3: Terminal user security

- (10) Query the management user profile _____
- (11) Create a new management user profile _____
- (12) Create a new management user ^{pge33} _____
- (13) Query all the terminal users _____
- (14) Exit from the system `quit` _____

- (15) Login the system by the new username you have added just now.
- (16) Change user's password _____
- (17) Modify the level of a user _____
- (18) Modify the reentry times of a user _____
- (19) Query online terminal user information _____
- (20) Kick off the online user _____
- (21) Delete a terminal user _____

Task4: System management

- (22) Query system current time _____
- (23) Set system time _____
- (24) Modify the system name _____
- (25) Query system log record _____
- (26) Query system history alarm information _____
- (27) Query history commands _____
- (28) Configure history commands size _____
- (29) Query the current terminal timeout _____
- (30) Set the timeout duration for a terminal _____
- (31) Disable the terminal timeout _____
- (32) Enable Energy-saving function _____

Task5: Device management

- (33) Query Information of a frame _____

- (34) Set the frame information _____
- (35) Query the board status in the frame _____
- (36) Confirm a board _____
- (37) Delete a board _____
- (38) Reset a board _____ (*dangerous operation, board resetting will effect other's operation*)
- (39) Power off a board _____

Task6: NE management

8.1 backup configuration

Before you backup the data, please check:

You can connect to the MA5800;

You have launched the TFTP.

- (40) Save the data to flash memory _____
- (41) Backup the data to TFTP server _____

Task7: SNMP configuration

- (42) Query SNMP community name _____
- (43) Query SNMP Trap destination _____
- (44) Query SNMP Trap source _____

Task8: System erasing and resetting

- (45) Which is the command to erase the flash data _____

(46) Which is the command to reboot the system_____

The basic configuration is finished.

Data confiured during this Lab, please delete them.Thanks for your cooperation.