

Example for Configuring MAB Authentication

Networking Requirements

As shown in **Figure 1**, a large number of dumb terminals (Printers in this example) in a company that access the Internet through ge-1/1/1 of the PICA8 Switch (as the access device). To ensure network access security, the administrator employs MAB authentication on the Switch and AAA server, to control the network access rights of the Printers. The Switch allows the Printers to access resources on the Internet only when the MAB authentication is successfully passed.

Prerequisite

Ensure that PICA8 Switch is properly connected to the AAA server. In this example, the switch uses the management port Eth0 to connect to the AAA server.

Configuration on the AAA Server

- Configure the Eth0 IP address of the switch to establish a connection to the switch.
- Configure the credentials for each printer on the AAA server.
- Configure the shared key.
- Configure other RADIUS attributes for MAB authentication.

Configuration on the Switch

- Configure the AAA server IP and shared key on the Switch.
- Enable MAB authentication on the Switch, to perform MAB authentication on terminals that cannot install the 802.1X client software.
- Configure the host mode to multiple on interface ge-1/1/1.

Figure 1. Networking Diagram for Configuring MAB Authentication



