How to carry IPv4 and IPv6 addresses in Portal authentication ?

Network Topology

NULL

Problem Description

How to carry IPv4 and IPv6 addresses in Portal authentication ?

Process Analysis

Portal authentication, single-stack authentication carries dual-stack addresses: the portal dual-ip enable needs to be configured separately, and the server side needs to support identification, and the address will be carried in the accounting message. Use the portal dual-ip enable command to enable the function of carrying both IPv4 and IPv6 addresses during remote Portal authentication for single-stack users. The undo portal dual-ip enable command disables the function of carrying both IPv4 and IPv6 addresses during remote Portal authentication for single-stack users.

【command】 **portal dual-ip enable**

undo portal dual-ip enable

【Default condition 】The function of carrying both IPv4 and IPv6 addresses during Portal authentication for single-stack users is disabled.

【User guides】 When a single-stack user performs remote Portal authentication, only the IPv4 address or IPv6 address of the user is carried in the RADIUS protocol message. When the single-stack user Portal authentication is enabled, the IPv4 and IPv6 addresses are carried at the same time RADIUS protocol message carry the user's IPv4 address and IPv6 address.

Enabling the function of carrying both IPv4 and IPv6 addresses when single-stack user Portal authentication is enabled is only applicable to remote Portal authentication using the RADIUS protocol.

Since different RADIUS servers have different requirements for carrying IP addresses in Portal authentication packets, if the server requires that the packets must carry both an IPv4 address and an IPv6 address, this function must be enabled. Otherwise, Portal authentication will fail.

Solution

It is carried by configuring **portal dual-ip enable**.

After it is turned on, if the terminal obtains two addresses, it will carry two addresses, and if it does not obtain two addresses, it will carry one.