

# 知 What is the mechanism of the firewall session management function?

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## Problem Description

What is the mechanism of the firewall session management function?

## Solution

The session and direction can be uniquely determined by the flow characteristics of any direction to which the session belongs.

Session identification: Different streams have different identification methods:

I TCP flow is identified by a six-tuple: protocol + source IP + source port + destination IP + destination port + vpn instance ID (or vlan id).

I UDP flows are identified by a six-tuple: protocol + source IP + source port + destination IP + destination port + vpn instance ID (or vlan id).

I ICMP flows are identified by a six-tuple: protocol+source IP+destination IP+ICMP type+ICMP code+vpn instance ID (or vlan id).

I RAW IP flow is identified by a four-tuple: protocol+source IP+destination IP+vpn instance ID (or vlan id)