

Verifying That Unknown Unicast Packets Are Forwarded to a Trunk Interface

Purpose Verify that a VLAN is forwarding all unknown unicast packets (those with unknown destination MAC addresses) to a single trunk interface instead of flooding unknown unicast packets across all interfaces that are members of the same VLAN.

Action Display the forwarding interface for unknown unicast packets for a VLAN (here, the VLAN name is v1):

```
user@switch> show configuration ethernet-switching-options
```

```
unknown-unicast-forwarding {  
    vlan v1 {  
        interface ge-0/0/7.0;  
    }  
}
```

Display the Ethernet switching table:

```
user@switch> show ethernet-switching table vlan v1
```

Ethernet-switching table: 3 unicast entries

VLAN	MAC address	Type	Age	Interfaces
v1	*	Flood		- All-members
v1	00:01:09:00:00:00	Learn	24	ge-0/0/7.0
v1	00:11:09:00:01:00	Learn	37	ge-0/0/3.0

Meaning The sample output from the `show configuration ethernet-switching-options` command shows that the unknown unicast forwarding interface for VLAN v1 is interface `ge-0/0/7`. The `show ethernet-switching table` command shows that an unknown unicast packet is received on interface `ge-0/0/3` with the destination MAC address (DMAC) `00:01:09:00:00:00` and the source MAC address (SMAC) of `00:11:09:00:01:00`. This shows that the SMAC of the packet is learned in the normal way (through the interface `ge-0/0/3.0`), while the DMAC is learned on interface `ge-0/0/7`.

Related Topics ■ Configuring Unknown Unicast Forwarding (CLI Procedure)

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