

## **Layer 2 Security Features**

This module provides an overview of security features for Layer 2 services. All Layer 2 security features must be configured at the VPLS bridge domain level.

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## **Security Features for Layer 2 VPLS Bridge Domains**

This table lists security features for Layer 2 VPLS bridge domains and points you to the detailed configuration documentation for each feature.

**Table 1: Security Features for Layer 2 VPNs** 

| Feature  | Where Documented   |
|--|--|
| MAC address-based traffic<br>blocking, filtering, and limiting on<br>VPLS bridge domains | In the MPLS Configuration Guide for Cisco ASR 9000 Series Routers, in the module "Implementing Virtual Private LAN Services on Cisco ASR 9000 Series Routers," see the "Configuring the MAC Address-related Parameters" section.                 |
| Traffic storm control on VPLS bridge domains   | In the System Security Configuration Guide for Cisco ASR 9000 Series Routers(this publication), see the module "Implementing Traffic Storm Control under a VPLS Bridge on Cisco ASR 9000 Series Router."   |
| DHCP snooping on VPLS bridge domains   | In the <i>IP Addresses and Services Configuration Guide for Cisco ASR</i> 9000 Series Routers, see the module "Implementing DHCP on Cisco ASR 9000 Series Routers." That module describes both DHCP relay services and DHCP snooping at Layer 2. |
| IGMP snooping on VPLS bridge domains   | In the <i>Multicast Configuration Guide for Cisco ASR 9000 Series Routers</i> , see the module "Implementing Layer 2 Multicast with IGMP Snooping."  |

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