



CHAPTER 40

Unknown Unicast Flood Blocking

This chapter describes how to configure the unknown unicast flood blocking (UUFB) feature on the Cisco 7600 series routers.



Note

For complete syntax and usage information for the commands used in this chapter, refer to the Cisco 7600 Series Routers Command References at this URL:

http://www.cisco.com/en/US/products/hw/routers/ps368/prod_command_reference_list.html

Understanding UUFB

Unknown unicast traffic is flooded to all Layer 2 ports in a VLAN. You can prevent this behavior by using the UUFB feature. The UUFB feature blocks unknown unicast traffic flooding and only permits egress traffic with MAC addresses that are known to exit on the port. The UUFB feature is supported on all ports that are configured with the **switchport** command, including private VLAN (PVLAN) ports.

Configuring UUFB

To configure UUFB, perform this task:

	Command	Purpose
Step 1	Router# configure terminal	Enters global configuration mode.
Step 2	Router(config)# interface {{type ¹ slot/port} {port-channel number}}	Selects the interface to configure.
Step 3	Router(config-if)# switchport block unicast	Enables UUFB on the port.
Step 4	Router(config-if)# do show interfaces [type ¹ slot/port] switchport include unicast	Verifies the configuration.

1. *type* = ethernet, fastethernet, gigabitethernet, or tengigabitethernet

This example shows how to configure UUFB on Fast Ethernet port 5/12 and how to verify the configuration:

```
Router# configure terminal
Router(config)# interface fastethernet 5/12
Router(config-if)# switchport block unicast
Router(config-if)# do show interface fastethernet 5/12 switchport | include unicast
Unknown unicast blocked: enabled
```