



Disabling LANE Flush Process

This feature module describes the Disabling LAN Emulation (LANE) Flush Process feature and includes the following sections:

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Feature Overview

The Disabling LANE Flush Process feature provides the ability to disable the LE_FLUSH process and make the transition from using the BUS to using a data direct virtual channel connection (VCC). With this feature configured, the LAN Emulation Clients (LECs) in the node will not send a flush request and will directly use a data direct VCC for data transfer. This feature disables the LE_FLUSH process for all the LECs in a Cisco networking device.

Benefits

Use of the Disabling LANE Flush Process feature is recommended to prevent the initial packet drops during the establishment of LANE Direct VC.

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Supported Platforms

This feature is supported on the following platforms:

- All router platforms with ATM interfaces that support LAN emulation
- Catalyst 5000 ATM LANE modules

Supported Standards, MIBs, and RFCs

Standards

None

MIBs

No new or modified MIBs are supported by this feature.

To obtain lists of MIBs supported by platform and Cisco IOS release and to download MIB modules, go to the Cisco MIB web site on Cisco Connection Online (CCO) at <http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml>.

RFCs

None

Configuration Tasks

See the following section for required configuration tasks for the Disabling LANE Flush Process feature:

- Disabling LANE Flush Process

Disabling LANE Flush Process

To keep LECs from sending LE_FLUSH messages to the remote LEC, use the following command in interface configuration mode:

Command	Purpose
Router(config-if)# no lane client flush	Disables the flush mechanism of a LEC.

Monitoring and Maintaining LANE Flush Process

To display the running configuration, use the following show command in EXEC mode:

Command	Purpose
Router# more system:running-config	Displays the running configuration.

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Configuration Examples

This section provides the following configuration example:

- Disabling LANE Flush Process Example

Disabling LANE Flush Process Example

The following example shows a running configuration and the LE_FLUSH process disabled for all LECs:

```
more system:running-config
Building configuration...

Current configuration :496 bytes
!
! Last configuration change at 11:36:21 UTC Thu Dec 20 2001
!
version 12.1
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname donner_b
!
no lane client flush
!
interface ATM0
 atm preferred phy A
 atm pvc 1 0 5 qsaal
 atm pvc 2 0 16 ilmi
 no atm ilmi-keepalive
!
interface ATM0.1 multipoint
 lane config-atm-address 47.009181000000001007385101.0050A2FEBC43.00
 lane client ethernet 100 elan1
!
line con 0
line vty 0 4
 no login
!
end
```

Command Reference

This section documents the new **lane client flush** command. All other commands used with this feature are documented in the Cisco IOS Release 12.1 command reference publications.

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lane client flush

To enable the flush mechanism of a LAN Emulation Client (LEC), use the **lane client flush** global configuration command. To disable the flush mechanism of a LEC, use the **no** form of this command.

lane client flush

no lane client flush

Syntax Description

This command contains no arguments or keywords.

Defaults

All the LECs perform the LANE LE_FLUSH process by default.

Command Modes

Global configuration

Command History

Release	Modification
12.1(2)T	This command was introduced.

Usage Guidelines

In Cisco IOS releases 12.1(3)T and later releases, the **lane client flush** command will be hidden and will not be visible in the configuration.

Configuring the **no lane client flush** command on a Cisco networking device is recommended to prevent the initial packet drops during the establishment of LANE data direct virtual connection (VCC).

Use the **no lane client flush** command to keep LANE clients from sending LE_FLUSH messages to the remote LANE client. This will also allow the LANE clients to process the LE_FLUSH messages *from* the remote LANE clients.

**Note**

Configuring the **no lane client flush** command on a Cisco networking device does not guarantee the orderly delivery of incoming packets. There is a chance of receiving out of order packets at the destination during the establishment of LANE data direct VCC.

Examples

The following example disables the flush mechanism of a LEC:

```
no lane client flush
```

Related Commands

Command	Description
lane client	Activates a LANE client on the specified subinterface.
lane client-atm-address	Specifies an ATM address—and thus overrides the automatic ATM address assignment—for the LANE client on the specified subinterface.