

# Troubleshoot Nexus: L2FM-4-L2FM\_MAC\_MOVE Syslog

## Contents

[Introduction](#)

[Problem :N7K-1 reports mac address 0050.5695.1ac8 and 0050.5695.3ba5 moves or has moved between two separate interfaces \(port-channel 5 and port-channel 6\).](#)

[Solution](#)

[Related Information](#)

## Introduction

This document describes this syslog message on the Nexus platform: L2FM-4-L2FM\_MAC\_MOVE

2016 Jan 12 15:19:53 N7K-1 [%L2FM-4-L2FM\\_MAC\\_MOVE](#): Mac 0050.5695.1ac8 in vlan 150 has moved from Po6 to Po5

2016 Jan 12 15:19:56 N7K-1 [%L2FM-4-L2FM\\_MAC\\_MOVE](#): Mac 0050.5695.3ba5 in vlan 150 has moved from Po5 to Po6

**Problem : N7K-1 reports mac address 0050.5695.1ac8 and 0050.5695.3ba5 moves or has moved between two separate interfaces (port-channel 5 and port-channel 6).**

## Solution

This log message is designed to alert the user that the switch receives packets from the same host (source mac) on two different interfaces in the same vlan.

### Common triggers

- L2 loop
- Wireless Clients roaming between Access Points
- Vmotion
- Misconfigured Active/Standby NIC Teaming

When this log message is printed, these steps can be followed to track the source of the move:

- Document the interfaces which report the mac movement.
- Log into the device that attaches to these interfaces and enable mac move notification there if not already enabled.
- Continue this logic until you are able to track down the source of the mac move.

Command to enable mac move notification:

- IOS: mac address table notification mac-move
- N3K: mac address table notification mac-move ; logging level fwm 6 ; logging monitor 6
- N4K: mac address table notification mac-move ; logging level fwm 6 ; logging monitor 6

- N5K/N6K: mac address table notification mac-move ; logging level fwm 6; logging monitor 6
- N7K/N9K: logging level l2fm 5

These commands are non intrusive and they only print additional syslog messages which pertain to mac flaps.

## **Related Information**

- [Nexus 5000 FAQ: What do you do when a Nexus 5000 switch displays the "FWM-2-STM\\_LOOP\\_DETECT" message in the log?](#)
- [Technical Support & Documentation - Cisco Systems](#)