



**Hewlett Packard**  
Enterprise

**Proliant Gen10 and above servers- Configured with Windows Server 2022 using LBFO team with HPE Eth 10/25Gb 2p 640SFP28 Adapter and HPE Eth 10/25Gb 2p 640FLR-SFP28 Adapter using LBFO or LACP to the switch facing network flapping issues**

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## Issue

- On ProLiant Gen10 servers or above with Windows server 2022 installed with the HPE Eth 10/25Gb 2p 640SFP28 Adapter or HPE Eth 10/25Gb 2p 640FLR-SFP28 Adapter with LBFO and LACP network team to the switch.
- Network flapping error message logged in IML for connectivity lost and restored for the respective network adapters.

operating system: windows server 2022 standard

current Build: 20348

system Description HPE ProLiant DL360 Gen10

BIOS Information: U32 03/16/2023

Computer Name: SMSKPHPVSWD1

system Uptime : 16 Days 1 Hours 31 Minutes 4 Seconds

LBFO Team Name	ProdNIC_Team
LBFO Team IP Address	
LBFO Teaming Mode	(2) - LACP
Load Balancing Algorithm	(5) - Dynamic
Lacp Timer	(1) - Fast
Status	(0) - Up
+ <input type="checkbox"/> [ENET1] HPE Ethernet 10/25Gb 2-port 640SFP28 Adapter #2	
+ <input type="checkbox"/> [ENET2] HPE Ethernet 10/25Gb 2-port 640FLR-SFP28 Adapter	

## Environment

- Windows Server 2022
- ProLiant Gen10 and above
- HPE Eth 10/25Gb 2p 640SFP28 Adapter
- HPE Eth 10/25Gb 2p 640FLR-SFP28 Adapter

## Cause

- The Hyper-V vSwitch will no longer have the capability to be bound to an LBFO team.
- Reference link: <https://learn.microsoft.com/en-us/windows-server/get-started/removed-deprecated-features-windows-server-2022>

## Resolution

- Disable SR-IOV if LBFO and LACP are desired.
- If SR-IOV is required, delete LBFO team and create a SET team on the Hyper-V using PS New-VMswitch cmdlet.

Reference link: <https://techcommunity.microsoft.com/t5/windows-server-for-it-pro/bypass-lbfo-teaming-deprecation-on-hyper-v-and-windows-server/m-p/3672310>

- First, create the Teaming of your network cards using the Server Manager, in my case the teaming will be with LACP mode and Dynamic load balancing mode.
- Then execute the below PowerShell Command to create the virtual switch based on the teaming created in the previous step:
- **New-VMswitch -Name "LAN" -NetAdapterName "LINK-AGGREGATION" -AllowNetLbfoTeams \$true -AllowManagementOS \$true**
- The virtual switch will be named "LAN"
- The network adapter cluster teaming is named "LINK-AGGREGATION"
- The aggregate remains usable to access the Hyper-V host.
- You will see your network teaming up and running on Hyper-V host.

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