



由于LACPDU未增加、LACP无法正常工作

https://kb-cn-stage.netapp.com/on-prem/ontap/da/NAS/NAS-KBs/LACP_not_working_due_to_LACPD...

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适用场景

- ONTAP 9.3及更高版本
- 多模式LACP

问题描述

- 物理端口已启动、但IFGRP已关闭。

- IFRP显示两个端口均已关闭、例如：

```
Cluster::> network port ifgrp show
Port      Distribution      Active
Node      ifgrp      Function      MAC Address      Ports      Ports
-----
node0     a0a        ip            02:a0:98:11:22:33 none      e0c
```

- LACPDU不递增

注意：此计数器是在 `ifconfig -v` ONTAP 9.3中添加到的

```
::> system node run -node <node> -command ifconfig -v
```

```
a0a: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 9000
options=6407bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TSO4, TSO6, L
ether 02:a0:98:11:22:33
media: Ethernet autoselect
status: active
groups: lagg
laggproto lacp lagghash 13
lagg options:
flags=11<USE_FLOWID, LACP_STRICT>
flowid_shift: 16
lagg statistics:
active ports: 0 <-- No ports active in the ifgrp
flapping: 0
lag id: [(8000,02-A0-98-11-22-33,0032,0000,0000),
(8000,AA-BB-CC-DD-EE-FF,0037,0000,0000)]
laggport: e0d flags=1c<ACTIVE, COLLECTING, DISTRIBUTING> state=3d<ACTIVITY, AGGREGATION, S
[(8000,02-A0-98-11-22-33,0032,8000,0006),
(8000,AA-BB-CC-DD-EE-FF,0037,8000,00B9)]
input/output LACPDU: 0 / 14099<--- LACPDU count, this should increment over time
laggport: e0c flags=18<COLLECTING, DISTRIBUTING> state=3d<ACTIVITY, AGGREGATION, SYNC, COL
[(8000,02-A0-98-11-22-33,0032,8000,0007),
(8000,AA-BB-CC-DD-EE-FF,0037,8000,043A)]
input/output LACPDU: 0 / 14099<--- LACPDU count, this should increment over time
```

状态信息

- 等待2分钟、然后再次运行它、以验证LACPDU是否增加

```
a0a: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 9000
options=6407bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TSO4, TSO6, L
ether 02:a0:98:11:22:33
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flapping: 0
lag id: [(8000,02-A0-98-11-22-33,0032,0000,0000),
(8000,AA-BB-CC-DD-EE-FF,0037,0000,0000)]
```

```

laggport:                e0d                flags=1c<ACTIVE, COLLECTING, DISTRIBUTING>
state=3d<ACTIVITY, AGGREGATION, SYNC, COLLECTING, DISTRIBUTING>
[(8000,02-A0-98-11-22-33,0032,8000,0006),
(8000,AA-BB-CC-DD-EE-FF,0037,8000,00B9)]
input/output LACPDU: 0 / 14539<--- LACPDU count, this should increment over
time
laggport:                e0c                flags=18<COLLECTING, DISTRIBUTING>
state=3d<ACTIVITY, AGGREGATION, SYNC, COLLECTING, DISTRIBUTING>
[(8000,02-A0-98-11-22-33,0032,8000,0007),
(8000,AA-BB-CC-DD-EE-FF,0037,8000,043A)]
input/output LACPDU: 0 /14539<--- LACPDU count, this should increment over
time

```

- 已确认物理链路连接。
- 已尝试 [从ifgrp中删除端口](#) 并 [重新添加端口](#)、但ifgrp仍显示关闭。
- [已选择物理端口](#)、但状态仍然相同。
- EMS日志中会显示以下链接关闭消息。

```

Sun Nov 12 11:37:16 -0800 [node-01: intr: netif.linkDown:info]: Ethernet a0a:
Link down, check cable.
Sun Nov 12 11:37:16 -0800 [node-01: intr: netif.linkDown:info]: Ethernet
a0a-1x4: Link down, check cable.
Sun Nov 12 11:37:16 -0800 [node-01: intr: netif.linkDown:info]: Ethernet
a0a-1x7: Link down, check cable.
Sun Nov 12 11:37:16 -0800 [node-01: intr: netif.linkDown:info]: Ethernet
a0a-1x9: Link down, check cable.
Sun Nov 12 11:37:16 -0800 [node-01: vifmgr: vifmgr.portdown:notice]: A link
down event was received on node node-01, port a0a.
Sun Nov 12 11:37:16 -0800 [node-01: vifmgr: vifmgr.portdown:notice]: A link
down event was received on node node-01, port a0a-1x4.
Sun Nov 12 11:37:16 -0800 [node-01: vifmgr: vifmgr.portdown:notice]: A link
down event was received on node node-01, port a0a-1x7.
Sun Nov 12 11:37:16 -0800 [node-01: vifmgr: vifmgr.portdown:notice]: A link
down event was received on node node-01, port a0a-1x9.

```