



LACP port down due to mismatched peer keys

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

Updated: Wed, 22 Apr 2026 02:10:11 GMT

Applies to

- ONTAP 9
- LACP ifgrps

Issue

- ONTAP has received differing keys from the LACP peer, leading to one or more interfaces not being active in the ifgrp and showing as down:

```
::> network port ifgrp show -instance
      Node: node1
      Interface Group Name: a0a
      Distribution Function: port
```

```
Create Policy: multimode_lacp
MAC Address: d2:39:ea:xx:xx:xx
Port Participation: partial
Network Ports: e0c, e0e
Up Ports: e0e
Down Ports: e0c
```

- EMS reports the following:

```
Fri Dec 13 21:49:10 +0000 [NODE-01: intr:
net.ifgrp.lacp.key.mismatch:error]: Partner mismatch occurred on ifgrp
"a0a", port "e3b". Expected by aggregate: system-priority "0x9b7f",
system-ID "XX:XX:XX:XX:XX:XX", and key "0x0037". Found at Port: system-
priority "0x9b7f", system-ID "XX:XX:XX:XX:XX:XX", and key "0x0036".
```

- The LACP peer is sending two different **keys** (0036 vs 0037) which is leaving only one interface in the ifgrp in the **ACTIVE** state:

```
::> system node run -node nodel -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, TS
ether 02:a0:98:xx:xx:xx
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: 1 <-- Only one out of the two configured port is currently
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: e0e flags=1c<ACTIVE, COLLECTING, DISTRIBUTING>
state=3d<ACTIVITY, AGGREGATION, SYNC, COLLECTING, DISTRIBUTING>
[(8000, 02-A0-98-11-22-33, 0032, 8000, 0006), <-- ontap
(8000, AA-BB-CC-DD-EE-FF, 0037, 8000, 00B9) ] <-- peer
```

```
input/output LACPDU: 460 / 14099
laggport: e0c flags=18<COLLECTING,DISTRIBUTING>
state=3d<ACTIVITY,AGGREGATION,SYNC,COLLECTING,DISTRIBUTING>
[ (8000,02-A0-98-11-22-33,0032,8000,0007) ,           <-- ontap
  (8000,AA-BB-CC-DD-EE-FF,0036,8000,043A) ]       <-- peer
input/output LACPDU: 460 / 14099
```

- All ports in an LACP ifgrp must receive the same key from the LACP peer to be ACTIVE in the ifgrp.