



Troubleshooting the Fabric Cable Connections

This chapter has troubleshooting details for incorrect fabric cable connections.

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Troubleshooting the Fabric Cable Connections

As there are a large number of fabric cable connections that are required for configuring the MC connections, there are possibilities of incorrect connections. Check the following:

1. To check the plane and link bundle state details, use the following commands:
 - **show controller fabric plane all detail**
 - **show controller fabric bundle all detail**
2. After the issues with the links have been identified, check the CXP2 connections using the **show controller fabric exp summary rack F0** command.
3. Manually check that the MPO cables connections between the ports.
4. Check the cables in between ports. Check for lane Rx and Tx power, signal strength, and whether a signal is detected both at the Rx and TX ports. Use the following commands:
 - **show controller fabric exp dom location F0/FC0 port 0**
 - **show controller fabric exp dom location F0/FC0 port 0**
5. Verify the ASIC status on the S2 fabric cards using the commands:
 - **show controller fabric sfe s2 F0/FC0/0**
 - **show controller fabric sfe s2 F0/FC0/1**
6. If the above commands display the required outputs, check cabling error. To identify the bundles that are down, use the **show controller fabric bundle all detail | I DN** command.
7. To check if the 12 lanes in a link are down, use the **show controller fabric link port s2 rx all | i "DN|SFE|R/S/A/P|state" | i "F0/FC0|SFE|R/S/A/P|state"** command. If all the 12 lanes are down, it indicates that the CXP/ link is connected incorrectly. If less than 12 lanes are down, there could be other reasons for the link failure.



Note Also, verify the lanes in the S3 cards using the above command.

```
sysadmin-vm:1_RP0# show controller fabric link port s2 rx | in DN

1/FC3/2/84 ER/DN 11/00 05/00 F1/FC7/0/67
1/FC3/2/85 ER/DN 11/11 05/11 08-S0-P9-08 F1/FC7/1/97
1/FC3/2/86 ER/DN 11/10 05/10 07-S0-P9-07 F1/FC7/1/100
1/FC3/2/89 ER/DN 11/07 05/07 09-S0-P9-09 F1/FC7/1/96
1/FC3/2/91 ER/DN 11/05 05/05 F1/FC7/0/68
1/FC3/2/92 UP/DN 11/04 05/04 02-S0-P9-02 F1/FC7/1/99
1/FC3/2/95 ER/DN 11/01 05/01 F1/FC7/0/60
```

You can shut/no shut each port and recheck.

```
sysadmin-vm:1_RP0# config t
sysadmin-vm:1_RP0(config)# controller fabric link port 1/FC3/2/84
sysadmin-vm:1_RP0(config-port-1/FC3/2/84)# shut
```

8. To detect incorrect topology, use the following commands:

- **show controller sfe link-info rx 0 143 topo instance 0 location F0/FC0 | i T**
- **show controller sfe link-info rx 0 143 topo instance 1 location F0/FC0 | i T**

Repeat the commands if you have more instances.

9. To identify the incorrect cable connections, compare the links with “Invalid Topology (T)” from the Step 8 output with the links in the Step 7 output.

Sample outputs for the commands discussed in this section:

```
sysadmin-vm:0_RP0# show controller fabric plane all detail

Plane Admin Plane  Plane  up->dn  up->mcast Total   Down   PPU
Id      State State  Mode   counter counter Bundles Bundles State
-----
0       UP    UP      MC     0       1       24     2     NA
1       UP    UP      MC     0       1       24     1     NA
2       UP    UP      MC     0       1       24     0     NA
3       UP    UP      MC     0       1       24     1     NA

sysadmin-vm:0_RP0#
sysadmin-vm:0_RP0#
sysadmin-vm:0_RP0# show controller fabric bundle all detail
Wed May  2 23:37:48.248 UTC
Bundle      Oper  Plane Total Down  Bundle      Bundle
R/S/P       State Id   Links Links Port1       Port2
-----
F0/FC0/0    DN   0      12 12   F0/FC0/0    0/FC0/0
F0/FC0/1    DN   0      12 12   F0/FC0/1    0/FC0/1
F0/FC0/2    UP   0      12 0    F0/FC0/2    0/FC0/2
F0/FC0/3    UP   0      12 0    F0/FC0/3    0/FC0/3
F0/FC0/4    UP   0      12 0    F0/FC0/4    0/FC0/4
F0/FC0/5    UP   0      12 0    F0/FC0/5    0/FC0/5
F0/FC0/6    UP   0      12 0    F0/FC0/6    1/FC0/0
F0/FC0/7    UP   0      12 0    F0/FC0/7    1/FC0/1
F0/FC0/8    UP   0      12 0    F0/FC0/8    1/FC0/2
F0/FC0/9    UP   0      12 0    F0/FC0/9    1/FC0/3
F0/FC0/10   UP   0      12 0    F0/FC0/10   1/FC0/4
F0/FC0/11   UP   0      12 0    F0/FC0/11   1/FC0/5
F0/FC1/0    UP   1      12 0    F0/FC1/0    0/FC1/0
F0/FC1/1    UP   1      12 0    F0/FC1/1    0/FC1/1
```

F0/FC1/2	UP	1	12 0	F0/FC1/2	0/FC1/2
F0/FC1/3	UP	1	12 0	F0/FC1/3	0/FC1/3
F0/FC1/4	UP	1	12 0	F0/FC1/4	0/FC1/4
F0/FC1/5	UP	1	12 0	F0/FC1/5	0/FC1/5
F0/FC1/6	UP	1	12 0	F0/FC1/6	1/FC1/0
F0/FC1/7	UP	1	12 0	F0/FC1/7	1/FC1/1
F0/FC1/8	UP	1	12 0	F0/FC1/8	1/FC1/2
F0/FC1/9	UP	1	12 0	F0/FC1/9	1/FC1/3
F0/FC1/10	UP	1	12 0	F0/FC1/10	1/FC1/4
F0/FC1/11	UP	1	12 0	F0/FC1/11	1/FC1/5
F0/FC2/0	UP	2	12 0	F0/FC2/0	0/FC2/0
F0/FC2/1	UP	2	12 0	F0/FC2/1	0/FC2/1
F0/FC2/2	UP	2	12 0	F0/FC2/2	0/FC2/2
F0/FC2/3	UP	2	12 0	F0/FC2/3	0/FC2/3
F0/FC2/4	UP	2	12 0	F0/FC2/4	0/FC2/4
F0/FC2/5	UP	2	12 0	F0/FC2/5	0/FC2/5
F0/FC2/6	UP	2	12 0	F0/FC2/6	1/FC2/0
F0/FC2/7	UP	2	12 0	F0/FC2/7	1/FC2/1
F0/FC2/8	UP	2	12 0	F0/FC2/8	1/FC2/2
F0/FC2/9	UP	2	12 0	F0/FC2/9	1/FC2/3
F0/FC2/10	UP	2	12 0	F0/FC2/10	1/FC2/4
F0/FC2/11	UP	2	12 0	F0/FC2/11	1/FC2/5
F0/FC3/0	UP	3	12 0	F0/FC3/0	0/FC3/0
F0/FC3/1	UP	3	12 0	F0/FC3/1	0/FC3/1
F0/FC3/2	UP	3	12 0	F0/FC3/2	0/FC3/2
F0/FC3/3	UP	3	12 0	F0/FC3/3	0/FC3/3
F0/FC3/4	UP	3	12 0	F0/FC3/4	0/FC3/4
F0/FC3/5	UP	3	12 0	F0/FC3/5	0/FC3/5
F0/FC3/6	UP	3	12 0	F0/FC3/6	1/FC3/0
F0/FC3/7	UP	3	12 0	F0/FC3/7	1/FC3/1
F0/FC3/8	UP	3	12 0	F0/FC3/8	1/FC3/2
F0/FC3/9	UP	3	12 0	F0/FC3/9	1/FC3/3
F0/FC3/10	UP	3	12 0	F0/FC3/10	1/FC3/4
F0/FC3/11	UP	3	12 10	F0/FC3/11	1/FC3/5
F0/FC4/0	UP	0	12 0	F0/FC4/0	0/FC0/6
F0/FC4/1	UP	0	12 0	F0/FC4/1	0/FC0/7
F0/FC4/2	UP	0	12 0	F0/FC4/2	0/FC0/8
F0/FC4/3	UP	0	12 0	F0/FC4/3	0/FC0/9
F0/FC4/4	UP	0	12 0	F0/FC4/4	0/FC0/10
F0/FC4/5	UP	0	12 0	F0/FC4/5	0/FC0/11
F0/FC4/6	UP	0	12 0	F0/FC4/6	1/FC0/6
F0/FC4/7	UP	0	12 0	F0/FC4/7	1/FC0/7
F0/FC4/8	UP	0	12 0	F0/FC4/8	1/FC0/8
F0/FC4/9	UP	0	12 0	F0/FC4/9	1/FC0/9
F0/FC4/10	UP	0	12 0	F0/FC4/10	1/FC0/10
F0/FC4/11	UP	0	12 0	F0/FC4/11	1/FC0/11
F0/FC5/0	UP	1	12 0	F0/FC5/0	0/FC1/6
F0/FC5/1	UP	1	12 0	F0/FC5/1	0/FC1/7
F0/FC5/2	UP	1	12 0	F0/FC5/2	0/FC1/8
F0/FC5/3	UP	1	12 0	F0/FC5/3	0/FC1/9
F0/FC5/4	UP	1	12 0	F0/FC5/4	0/FC1/10
F0/FC5/5	UP	1	12 0	F0/FC5/5	0/FC1/11
F0/FC5/6	UP	1	12 0	F0/FC5/6	1/FC1/6
F0/FC5/7	UP	1	12 0	F0/FC5/7	1/FC1/7
F0/FC5/8	UP	1	12 0	F0/FC5/8	1/FC1/8
F0/FC5/9	UP	1	12 0	F0/FC5/9	1/FC1/9
F0/FC5/10	DN	1	12 12	F0/FC5/10	1/FC1/10
F0/FC5/11	UP	1	12 0	F0/FC5/11	1/FC1/11
F0/FC6/0	UP	2	12 0	F0/FC6/0	0/FC2/6
F0/FC6/1	UP	2	12 0	F0/FC6/1	0/FC2/7
F0/FC6/2	UP	2	12 0	F0/FC6/2	0/FC2/8
F0/FC6/3	UP	2	12 0	F0/FC6/3	0/FC2/9
F0/FC6/4	UP	2	12 0	F0/FC6/4	0/FC2/10
F0/FC6/5	UP	2	12 0	F0/FC6/5	0/FC2/11

```

F0/FC6/6    UP    2      12 0    F0/FC6/6    1/FC2/6
F0/FC6/7    UP    2      12 0    F0/FC6/7    1/FC2/7
F0/FC6/8    UP    2      12 0    F0/FC6/8    1/FC2/8
F0/FC6/9    UP    2      12 0    F0/FC6/9    1/FC2/9
F0/FC6/10   UP    2      12 0    F0/FC6/10   1/FC2/10
F0/FC6/11   UP    2      12 0    F0/FC6/11   1/FC2/11
F0/FC7/0    UP    3      12 0    F0/FC7/0    0/FC3/6
F0/FC7/1    UP    3      12 0    F0/FC7/1    0/FC3/7
F0/FC7/2    UP    3      12 0    F0/FC7/2    0/FC3/8
F0/FC7/3    UP    3      12 0    F0/FC7/3    0/FC3/9
F0/FC7/4    UP    3      12 0    F0/FC7/4    0/FC3/10
F0/FC7/5    UP    3      12 0    F0/FC7/5    0/FC3/11
F0/FC7/6    UP    3      12 0    F0/FC7/6    1/FC3/6
F0/FC7/7    UP    3      12 0    F0/FC7/7    1/FC3/7
F0/FC7/8    UP    3      12 0    F0/FC7/8    1/FC3/8
F0/FC7/9    UP    3      12 0    F0/FC7/9    1/FC3/9
F0/FC7/10   UP    3      12 0    F0/FC7/10   1/FC3/10
F0/FC7/11   UP    3      12 0    F0/FC7/11   1/FC3/11
    
```

```
sysadmin-vm:0_RP1# sh controller fabric bundle all detail | ex "12 0"
```

Bundle R/S/P	Oper State	Plane Id	Total Links	Down Links	Bundle Port1	Bundle Port2
F0/FC4/6	UP	0	12	1	F0/FC4/6	3/FC0/2
F1/FC1/6	DN	1	12	12	F1/FC1/6	3/FC1/8
F1/FC5/6	UP	1	12	1	F1/FC5/6	3/FC1/10
F1/FC6/0	UP	2	12	7	F1/FC6/0	0/FC2/2
F1/FC6/1	UP	2	12	7	F1/FC6/1	0/FC2/3
F1/FC6/2	UP	2	12	7	F1/FC6/2	1/FC2/2
F1/FC6/3	UP	2	12	7	F1/FC6/3	1/FC2/3
F1/FC6/4	UP	2	12	7	F1/FC6/4	2/FC2/2
F1/FC6/5	UP	2	12	7	F1/FC6/5	2/FC2/3
F1/FC6/6	UP	2	12	7	F1/FC6/6	3/FC2/2
F1/FC6/7	UP	2	12	7	F1/FC6/7	3/FC2/3
F2/FC5/0	UP	3	12	7	F2/FC5/0	0/FC3/2
F2/FC5/1	UP	3	12	7	F2/FC5/1	0/FC3/3
F2/FC5/2	UP	3	12	7	F2/FC5/2	1/FC3/2
F2/FC5/3	UP	3	12	7	F2/FC5/3	1/FC3/3
F2/FC5/4	UP	3	12	7	F2/FC5/4	2/FC3/2
F2/FC5/5	UP	3	12	7	F2/FC5/5	2/FC3/3
F2/FC5/6	UP	3	12	7	F2/FC5/6	3/FC3/2
F2/FC5/7	UP	3	12	7	F2/FC5/7	3/FC3/3
F2/FC6/7	UP	3	12	1	F2/FC6/7	3/FC3/7

```
sysadmin-vm:0_RP1#
```

```
sysadmin-vm:0_RP0# show controller fabric cxp summary rack F0
```

```

=====
Fabric side CXP Port Initialization Status Summary
=====
Active functional role of the Rack [R/S] : F0/SC1
. - CXP is not present
p - CXP is not powered
I - CXP is not Initialized
U - CXP is not Supported
T - One or more Tx channel is disabled on the CXP
R - One or more Rx channel is disabled on the CXP
G - CXP is Initialized properly

Maximum CXP port number [0-23] per slot
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Slot  | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |10 |11 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
    
```

<<

```

| F0/FC0 | G | G | G | G | G | G | G | G | G | G | G | G |
Ones in Bold (port 0 and 1) are initialized properly
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC1 | G | G | G | G | G | G | G | G | G | G | G | G |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC2 | G | G | G | G | G | G | G | G | G | G | G | G |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC3 | G | G | G | G | G | G | G | G | G | G | G | T |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC4 | G | G | G | G | G | G | G | G | G | G | G | G |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC5 | G | G | G | G | G | G | G | G | G | G | T | G |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC6 | G | G | G | G | G | G | G | G | G | G | G | G |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC7 | G | G | G | G | G | G | G | G | G | G | G | G |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Slot   |12 |13 |14 |15 |16 |17 |18 |19 |20 |21 |22 |23 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC0 | . | . | . | . | . | . | . | . | . | . | . | . |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC1 | . | . | . | . | . | . | . | . | . | . | . | . |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC2 | . | . | . | . | . | . | . | . | . | . | . | . |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC3 | . | . | . | . | . | . | . | . | . | . | . | . |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC4 | . | . | . | . | . | . | . | . | . | . | . | . |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC5 | . | . | . | . | . | . | . | . | . | . | . | . |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC6 | . | . | . | . | . | . | . | . | . | . | . | . |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| F0/FC7 | . | . | . | . | . | . | . | . | . | . | . | . |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+

```

sysadmin-vm:0_RP0# show controller fabric cxp dom location F0/FC0 port 0

```

=====
                        CXP Digital Optical Monitor Information
=====
Location: F0/FC0,          CXP port number: 0
-----
Connector description      : CXP Optical Transceiver with Optical Connector
Vendor Name                : CISCO-AVAGO
Cisco Part Number         : 10-3250-01
Cisco Serial Number       : AGF2132K00N
Cisco VID                 : V00
Cisco PID                 : ONS-CXP2-SR25
Cisco CLEI Code           : WOTRD92BAA
Vendor Part Number        : SFBR-86PDAZ-CS1
Vendor Serial Number      : AGF2132K00N
Vendor Date Code          : 20170813
Vendor Lot Code           :
Vendor OUI IEEE COMPANY ID : 0x176A
Eeprom Revision           : 0xAC17
Firmware Revision         : 0x7A
Vendor Revision Number    : 2
-----
Tx Temperature Reading    :45.00 Celsius   Tx Temperature Alarm :Not Set
Tx Voltage Reading        :3230.90mV      Tx Voltage Alarm    :Not Set
-----
| Channel | Channel | FAULT | Signal | Optical Power |

```

Number.	Status	Status	Strength	Alarm
Tx Ch 0:	Enabled	no fault	Signal Detected	off
Tx Ch 1:	Enabled	no fault	Signal Detected	off
Tx Ch 2:	Enabled	no fault	Signal Detected	off
Tx Ch 3:	Enabled	no fault	Signal Detected	off
Tx Ch 4:	Enabled	no fault	Signal Detected	off
Tx Ch 5:	Enabled	no fault	Signal Detected	off
Tx Ch 6:	Enabled	no fault	Signal Detected	off
Tx Ch 7:	Enabled	no fault	Signal Detected	off
Tx Ch 8:	Enabled	no fault	Signal Detected	off
Tx Ch 9:	Enabled	no fault	Signal Detected	off
Tx Ch 10:	Enabled	no fault	Signal Detected	off
Tx Ch 11:	Enabled	no fault	Signal Detected	off

Channel Number.	Optical Light Output	Bias Current	Optical Bias Alarm
Tx Ch 0:	1.11mW 0.4336dBm	7.000 mA	off
Tx Ch 1:	1.15mW 0.6070dBm	7.000 mA	off
Tx Ch 2:	1.12mW 0.4805dBm	7.000 mA	off
Tx Ch 3:	1.29mW 1.0924dBm	7.000 mA	off
Tx Ch 4:	1.23mW 0.8849dBm	7.000 mA	off
Tx Ch 5:	1.35mW 1.3033dBm	7.000 mA	off
Tx Ch 6:	1.34mW 1.2743dBm	7.000 mA	off
Tx Ch 7:	1.32mW 1.2090dBm	7.000 mA	off
Tx Ch 8:	1.10mW 0.4179dBm	7.000 mA	off
Tx Ch 9:	1.21mW 0.8135dBm	7.000 mA	off
Tx Ch 10:	1.27mW 1.0483dBm	7.000 mA	off
Tx Ch 11:	1.10mW 0.3981dBm	7.000 mA	off

Rx Temperature Reading :45.00 Celsius Rx Temperature Alarm :Not Set
 Rx Voltage Reading :3246.90 mV Rx Voltage Alarm :Not Set

Channel Number.	Channel Status	Signal Strength	Optical Power Alarm	Optical Light Input
Rx Ch 0:	Enabled	Signal Detected	off	1.03mW 0.1494dBm
Rx Ch 1:	Enabled	Signal Detected	off	1.15mW 0.6145dBm
Rx Ch 2:	Enabled	Signal Detected	off	1.20mW 0.7882dBm
Rx Ch 3:	Enabled	Signal Detected	off	1.09mW 0.3743dBm
Rx Ch 4:	Enabled	Signal Detected	off	1.37mW 1.3799dBm
Rx Ch 5:	Enabled	Signal Detected	off	1.25mW 0.9795dBm
Rx Ch 6:	Enabled	Signal Detected	off	1.31mW 1.1826dBm
Rx Ch 7:	Enabled	Signal Detected	off	1.33mW 1.2320dBm
Rx Ch 8:	Enabled	Signal Detected	off	1.23mW 0.8955dBm
Rx Ch 9:	Enabled	Signal Detected	off	1.47mW 1.6702dBm
Rx Ch 10:	Enabled	Signal Detected	off	1.11mW 0.4454dBm
Rx Ch 11:	Enabled	Signal Detected	off	1.34mW 1.2743dBm

sysadmin-vm:0_RP0# show controller fabric sfe s2 F0/FC0/0

Sfe R/S/A	Admin State	Oper State
F0/FC0/0	UP	UP

sysadmin-vm:0_RP0# show controller fabric sfe s2 F0/FC0/1

Sfe	Admin	Oper

```

R/S/A      State      State
-----
F0/FC0/1   UP         UP
    
```

sysadmin-vm:0_RP0# Show controller fabric bundle all detail | i DN

```

F0/FC0/0   DN      0      12 12   F0/FC0/0   0/FC0/0
F0/FC0/1   DN      0      12 12   F0/FC0/1   0/FC0/1
    
```

sysadmin-vm:0_RP0# show controller fabric link port s2 rx all | i "DN|SFE|R/S/A/P|state" | i "F0/FC0|SFE|R/S/A/P|state"

SFE port R/S/A/P	Admin /Oper state	Near-end CDR LO-Sx-Px-LI	Near -end CXP/Ch	Far -end CXP/Ch	Far-end CDR LO-Sx-Px-LI	Other End R/S/A/P
F0/FC0/0/13	UP/DN		01/03	01/03		0/FC0/0/81
F0/FC0/0/15	UP/DN		01/01	01/01		0/FC0/0/83
F0/FC0/0/16	UP/DN		01/00	01/00		0/FC0/0/72
F0/FC0/0/18	UP/DN		01/02	01/02		0/FC0/0/82
F0/FC0/0/20	UP/DN		01/04	01/04		0/FC0/0/80
F0/FC0/0/22	UP/DN		01/05	01/05		0/FC0/0/79
F0/FC0/0/24	UP/DN		00/04	00/04		0/FC0/0/128
F0/FC0/0/26	UP/DN		00/05	00/05		0/FC0/0/127
F0/FC0/0/29	UP/DN		00/02	00/02		0/FC0/0/131
F0/FC0/0/31	UP/DN		00/00	00/00		0/FC0/0/120
F0/FC0/0/32	UP/DN		00/01	00/01		0/FC0/0/130
F0/FC0/0/34	UP/DN		00/03	00/03		0/FC0/0/129
F0/FC0/1/126	UP/DN	05-S0-P5-05	01/06	01/06		0/FC0/0/78
F0/FC0/1/127	UP/DN	03-S0-P5-03	01/09	01/09		0/FC0/0/75
F0/FC0/1/128	UP/DN	06-S0-P5-06	01/08	01/08		0/FC0/0/76
F0/FC0/1/129	UP/DN	04-S0-P5-04	01/07	01/07		0/FC0/0/77
F0/FC0/1/130	UP/DN	12-S0-P5-12	01/10	01/10		0/FC0/0/74
F0/FC0/1/131	UP/DN	11-S0-P5-11	01/11	01/11		0/FC0/0/73
F0/FC0/1/138	UP/DN	06-S0-P4-06	00/08	00/08		0/FC0/0/124
F0/FC0/1/139	UP/DN	12-S0-P4-12	00/10	00/10		0/FC0/0/122
F0/FC0/1/140	UP/DN	04-S0-P4-04	00/07	00/07		0/FC0/0/125
F0/FC0/1/141	UP/DN	03-S0-P4-03	00/09	00/09		0/FC0/0/123
F0/FC0/1/142	UP/DN	11-S0-P4-11	00/11	00/11		0/FC0/0/121
F0/FC0/1/143	UP/DN	05-S0-P4-05	00/06	00/06		0/FC0/0/126

sysadmin-vm:0_RP0# show controller sfe link-info rx 0 143 topo instance 0 location F0/FC0 | i T

R - No Reach Cells	S - Size error	T - Invalid Topo	U - Perm Shut
F0/FC0/0/13	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/81 0/FC0/0/129
F0/FC0/0/15	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/83 0/FC0/0/130
F0/FC0/0/16	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/72 0/FC0/0/120
F0/FC0/0/18	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/82 0/FC0/0/131
F0/FC0/0/20	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/80 0/FC0/0/128
F0/FC0/0/22	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/79 0/FC0/0/127
F0/FC0/0/24	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/128 0/FC0/0/80
F0/FC0/0/26	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/127 0/FC0/0/79
F0/FC0/0/29	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/131 0/FC0/0/82
F0/FC0/0/31	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/120 0/FC0/0/72
F0/FC0/0/32	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/130 0/FC0/0/83
F0/FC0/0/34	23.00 S2 0/0 UP/DN	.....T.....	0/FC0/0/129 0/FC0/0/81

sysadmin-vm:0_RP0# show controller sfe link-info rx 0 143 topo instance 1 location F0/FC0 | i T

R - No Reach Cells S - Size error T - Invalid Topo U - Perm Shut

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F0/FC0/1/126 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/78 0/FC0/0/126
F0/FC0/1/127 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/75 0/FC0/0/123
F0/FC0/1/128 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/76 0/FC0/0/124
F0/FC0/1/129 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/77 0/FC0/0/125
F0/FC0/1/130 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/74 0/FC0/0/122
F0/FC0/1/131 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/73 0/FC0/0/121
F0/FC0/1/138 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/124 0/FC0/0/76
F0/FC0/1/139 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/122 0/FC0/0/74
F0/FC0/1/140 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/125 0/FC0/0/77
F0/FC0/1/141 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/123 0/FC0/0/75
F0/FC0/1/142 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/121 0/FC0/0/73
F0/FC0/1/143 23.00 S2 0/0 UP/DN .....T..... 0/FC0/0/126 0/FC0/0/78
    
```