



Changing speed of ISL ports on a Cisco FC switch

ONTAP MetroCluster

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You might need to change the speed of ISL ports on a switch to improve the quality of the ISL. ISLs traveling greater distances might need their speed lowered to improve quality.

You must complete all the steps on both switches to ensure ISL connectivity.

1. Disable the ISL ports of the ISLs that you want to change the speed of on both switches in the fabric:

FC_switch_A_1# config t

Enter configuration commands, one per line. End with CTRL-Z after you have entered all of the configuration commands.

```
FC_switch_A_1(config)# interface fc1/36
FC_switch_A_1(config-if)# shut
FC_switch_A_1(config)# end
```

2. Change the speed of the ISL ports on both switches in the fabric:

FC_switch_A_1# config t

Enter configuration commands, one per line. End with CTRL-Z after you have entered all of the configuration commands.

```
FC_switch_A_1(config)# interface fc1/36
FC_switch_A_1(config-if)# switchport speed 16000
```



Speeds for ports are 16 = 16,000 Gbps, 8 = 8,000 Gbps, 4 = 4,000 Gbps.

Ensure that these ISL ports for your switch are listed in the *Fabric-attached MetroCluster Installation and Configuration Guide*.

3. Enable all ISL ports (if not enabled) on both switches in the fabric:

FC_switch_A_1# config t

Enter configuration commands, one per line. End with CTRL-Z after you have entered all of the configuration commands.

```
FC_switch_A_1(config)# interface fc1/36
FC_switch_A_1(config-if)# no shut
FC_switch_A_1(config)# end
```

4. Verify the ISLs are established between both switches:

show topology isl

		Local			Remote			VSAN	Cost	I/F	PC	
I/F	Band	PC	Domain	SwName	Port	Port	SwName	Domain	PC		Stat	Stat
Speed	width											

16g	1	0x11	cisco9	fc1/36	fc1/36	cisco9	0xbc	1	1	15	up	up
	64g											
16g	1	0x11	cisco9	fc1/40	fc1/40	cisco9	0xbc	1	1	15	up	up
	64g											
16g	1	0x11	cisco9	fc1/44	fc1/44	cisco9	0xbc	1	1	15	up	up
	64g											
16g	1	0x11	cisco9	fc1/48	fc1/48	cisco9	0xbc	1	1	15	up	up
	64g											

5. Repeat the procedure for the second switch fabric.

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