



Adding ISLs to a Cisco switch

ONTAP MetroCluster

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April 12, 2021

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Adding ISLs to a Cisco switch

You might need to add ISLs to a switch if you are adding or upgrading hardware such as additional or faster controllers or faster switches.

Steps that are completed on one switch must also be completed on the other to ensure ISL connectivity.

1. Disable the ISL ports of the ISLs to be added on both switches in the fabric:

```
FC_switch_A_1#config t
```

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

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

2. Insert SFPs into the ports you are adding as ISL ports, and cable them according to the *Installation and Configuration Guide*.

Ensure that these ports are listed in the *Installation and Configuration Guide* for the switch you are adding them to.

3. Configure the ISL ports in accordance with the *Installation and Configuration Guide*.
4. Enable all ISL ports (if not enabled) on both switches in the fabric:

```
FC_switch_A_1# config t
```

Enter the configuration commands, one per line. End with CTRL-Z.

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

5. Verify the ISLs are established between both switches:

```
show topology isl
```

6. Repeat the procedure on the second fabric:

		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											

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