

Platform port assignments for Cisco 3232C or Cisco 9336C switches

ONTAP MetroCluster

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Platform port assignments for Cisco 3232C or Cisco 9336C switches

The port usage in a MetroCluster IP configuration depends on the switch model and platform type.

Review these considerations before using the tables:

- The following tables show the port usage for site A. The same cabling is used for site B.
- The switches cannot be configured with ports of different speeds (for example, a mix of 100 Gbps ports and 40 Gbps ports).
- If you are configuring a single MetroCluster with the switches, use the **MetroCluster 1** port group.
 - Keep track of the MetroCluster port group (MetroCluster 1, MetroCluster 2, or MetroCluster 3). You will need it when using the RcfFileGenerator tool as described later in this configuration procedure.
- The RcfFileGenerator for MetroCluster IP also provides a per-port cabling overview for each switch.

Use this cabling overview to verify your cabling.

Cabling two MetroCluster configurations to the switches

When cabling more than one MetroCluster configuration to a Cisco 3132Q-V switch, then cable each MetroCluster according to the appropriate table. For example, if cabling a FAS2750 and an A700 to the same Cisco 3132Q-V switch. Then you cable the FAS2750 as per 'MetroCluster 1' in Table 1, and the A700 as per 'MetroCluster 2' or 'MetroCluster 3' in Table 2. You cannot physically cable both the FAS2750 and A700 as 'MetroCluster 1'.

Cabling a FAS2750 or AFF A220 system to a Cisco 3232C or Cisco 9336C switch

	FAS2750, AFF A220		Switch
Port use	IP_switch_x_1	IP_switch_x_2	port
Unused		-	1-6
ISL, Local Cluster	121 1000	l Cluster	7
native speed / 100G	ISL, LOCA	ii Ciustei	8
	e0a	e0b	9/1
MetroCluster 1, Shared Cluster	disa	bled	9/2-4
and MetroCluster interface	e0a	e0b	10/1
	disa	bled	10/2-4
	e0a	e0b	11/1
MetroCluster 2, Shared Cluster	disa	bled	11/2-4
and MetroCluster interface	e0a	e0b	12/1
	disabled		12/2-4
	e0a	e0b	13/1
MetroCluster 3, Shared Cluster	disa	bled	13/2-4
and MetroCluster interface	e0a	e0b	14/1
	disabled		14/2-4
			15
ISL, MetroCluster			16
native speed	ISL, MetroCluster		17
40G / 100G			18
400 / 1000			19
			20
ISL, MetroCluster			21/1-4
breakout mode	ISL, MetroCluster		22/1-4
10G			23/1-4
100			24/1-4
Unused		-	25 - 32

Cabling a AFF A300 or FAS8200 to a Cisco 3232C or Cisco 9336C switch

Cabling a AFF A3	00 or FAS8200 to a Cisco	3232C or Cisco 9336C	switch
	FAS8200,	AFF A300	
Port use	IP_switch_x_1	IP_switch_x_2	Switch port
			1/1
MetroCluster 1			1/2 - 4
Local Cluster interface			2/1
			2/2 - 4
			3/1
MetroCluster 2	See Hardwa	re Universe	3/2 - 4
Local Cluster interface	for availa	ble ports	4/1
			4/2 - 4
	7		5/1
MetroCluster 3			5/2 - 4
Local Cluster interface			6/1
			6/2 - 4
ISL, Local Cluster	101.1	l al .	7
native speed / 100G	ISL, Loca	l Cluster	8
	e1a	e1b	9/1
MetroCluster 1	disa	bled	9/2-4
MetroCluster interface	e1a	e1b	10/1
	disa	disabled	
	e1a	e1b	10/2-4 11/1
MetroCluster 2		disabled	
MetroCluster interface	e1a		
		bled	12/1 12/2-4
	e1a	e1b	13/1
MetroCluster 3		bled	13/2-4
MetroCluster interface	e1a	e1b	14/1
		bled	14/2-4
ISL, MetroCluster	ISL, Metr	oCluster	15 - 20
			21/1-4
ISL, MetroCluster			22/1-4
breakout mode	ISL, Meti	roCluster	23/1-4
10G			24/1-4
	e1a	e1b	25/1
MetroCluster 4		bled	25/2-4
MetroCluster interface e1a e1b disabled			26/1
		26/2-4	
Unused		an 1 al al an 1 al an 1	
102-0	See Hardwa	re Universe	27 - 28 29/1
MetroCluster 4			29/2-4
Local Cluster interface			30/1
Liver craster miteriate		bled	30/2-4
Unused	4130		31 - 32

Cabling a AFF A250 or FAS500f to a Cisco 3232C or Cisco 9336C switch

Cabling an AFF A250 or FAS500f to a Cisco 3232C or Cisco 9336C switch				
	FASS00f, AFF A250			
Port use	IP_switch_x_1	IP_switch_x_2	Switch port	
Unused		-	1-6	
ISL, Local Cluster	ISI Loca	l Clustor	7	
native speed / 100G	ISL, Local Cluster		8	
MetroCluster 1, Shared	e0c	e0d	9/1	
Cluster and MetroCluster	disa	bled	9/2-4	
interface	e0c	e0d	10/1	
interrace	disa	bled	10/2-4	
MetroCluster 2, Shared	e0c	e0d	11/1	
	disabled		11/2-4	
interface	e0c	e0d	12/1	
interrace	disabled		12/2-4	
MetroCluster 3, Shared	e0c	e0d	13/1	
Cluster and MetroCluster	disabled		13/2-4	
interface	e0c	e0d	14/1	
interrace	disabled		14/2-4	
	ISL, MetroCluster		15	
ICI MatraClustor			16	
ISL, MetroCluster			17	
native speed 40G / 100G	ist, weti	ociustei	18	
400 / 1000				
			20	
ISL, MetroCluster			21/1-4	
breakout mode	ISL, MetroCluster		22/1-4	
10G			23/1-4	
100			24/1-4	
Unused		-		

Cabling a AFF A320 to a Cisco 3232C or Cisco 9336C switch

Cabling a AFF A320 to a Cisco 3232C or Cisco 9336C switch				
	AFF A320			
Port use	IP_switch_x_1	IP_switch_x_2	Switch port	
MetroCluster 1,			1	
Local Cluster interface			2	
MetroCluster 2,	See Hardwa	re Universe	3	
Local Cluster interface	for availa	ble ports	4	
MetroCluster 3,			5	
Local Cluster interface			6	
ISL, Local Cluster	ISI Loca	l Cluster	7	
native speed / 100G	131, 100	Cluster	8	
MetroCluster 1,	e0g	e0h	9	
MetroCluster interface	e0g	e0h	10	
MetroCluster 2,	e0g	e0h	11	
MetroCluster interface	e0g	e0h	12	
MetroCluster 3,	e0g	e0h	13	
MetroCluster interface	e0g	e0h	14	
			15	
ISL, MetroCluster			16	
native speed	ISI Metr	oCluster	17	
40G / 100G	ist, weti	ociustei	18	
4007 1000			19	
			20	
ISL, MetroCluster			21/1-4	
breakout mode	ISI Metr	oCluster	22/1-4	
10G	ISL, MetroCluster		23/1-4	
100			24/1-4	
			25	
			26	
			27	
Unused			28	
onuseu		-	29	
			30	
		31		
			32	

Cabling an AFF A400, FAS8300 or FAS8700 to a Cisco 3232C or Cisco 9336C switch

Cabling a AFF A400, FAS8300 or FAS8700 to a Cisco 3232C or Cisco 9336C switch				
	FAS8300, FAS8700, AFF A400			
Port use	IP_switch_x_1	IP_switch_x_2	Switch port	
MetroCluster 1,			1	
Local Cluster interface			2	
MetroCluster 2,	See Hardwa	re Universe	3	
Local Cluster interface	for availa	ble ports	4	
MetroCluster 3,			5	
Local Cluster interface			6	
ISL, Local Cluster	ISL, Loca	l Clustor	7	
native speed / 100G	131, 100	Cluster	8	
MetroCluster 1,	e1a	e1b	9	
MetroCluster interface	e1a	e1b	10	
MetroCluster 2,	e1a	e1b	11	
MetroCluster interface	e1a	e1b	12	
MetroCluster 3,	e1a	e1b	13	
MetroCluster interface	e1a	e1b	14	
			15	
ISL, MetroCluster	ISL, MetroCluster		16	
native speed			17	
40G / 100G			18	
4007 1000			19	
			20	
ISL, MetroCluster			21/1-4	
breakout mode	ISL, MetroCluster		22/1-4	
10G			23/1-4	
100			24/1-4	
			25	
			26	
			27	
Unused			28	
onuseu		-	29	
			30	
			31	
			32	

Cabling a AFF A700 or FAS9000 to a Cisco 3232C or Cisco 9336C switch

Cabling a AFF A700 or FAS9000 to a Cisco 3232C or Cisco 9336C switch				
	FAS9000, AFF A700		Switch	
Port use	IP_switch_x_1	IP_switch_x_2	port	
MetroCluster 1,			1	
Local Cluster interface			2	
MetroCluster 2,	See Hardwa	re Universe	3	
Local Cluster interface	for availa	ble ports	4	
MetroCluster 3,	7		5	
Local Cluster interface			6	
ISL, Local Cluster	101 1	I Cluster	7	
native speed / 100G	ISL, LOCA	l Cluster	8	
MetroCluster 1,	e5a	e5b	9	
MetroCluster interface	e5a	e5b	10	
MetroCluster 2,	e5a	e5b	11	
MetroCluster interface	e5a	e5b	12	
MetroCluster 3,	e5a	e5b	13	
MetroCluster interface	e5a	e5b	14	
			15	
ICL Material Charter			16	
ISL, MetroCluster	101 14-4-	Cluster	17	
native speed	ISL, Meti	roCluster	18	
40G / 100G			19	
			20	
ICI Matas Chartes			21/1-4	
ISL, MetroCluster	101 14-4-	Cluster	22/1-4	
breakout mode 10G	ISL, Meti	roCluster	23/1-4	
100			24/1-4	
			25	
			26	
			27	
Universal			28	
Unused		-	29	
			30	
			31	
			32	

Cabling a AFF A800 to a Cisco 3232C or Cisco 9336C switch

Cabling an AFF A800 to a Cisco 3232C or Cisco 9336C switch				
	AFF A800			
Port use	IP_switch_x_1	IP_switch_x_2	Switch port	
MetroCluster 1,			1	
Local Cluster interface			2	
MetroCluster 2,	See Hardwa	re Universe	3	
Local Cluster interface	for availa	ble ports	4	
MetroCluster 3,			5	
Local Cluster interface			6	
ISL, Local Cluster	121 1000	l Cluster	7	
native speed / 100G	ISE, LUCA	rciustei	8	
MetroCluster 1,	e0b	e1b	9	
MetroCluster interface	e0b	e1b	10	
MetroCluster 2,	e0b	e1b	11	
MetroCluster interface	e0b	e1b	12	
MetroCluster 3,	e0b	e1b	13	
MetroCluster interface	e0b	e1b	14	
			15	
ISL, MetroCluster	ISL, MetroCluster		16	
native speed			17	
40G / 100G	ist, weti	ociustei	18	
400 / 1000			19	
			20	
ISL, MetroCluster			21/1-4	
breakout mode	ISL, MetroCluster		22/1-4	
10G			23/1-4	
100			24/1-4	
			25	
			26	
			27	
Unused			28	
oliuseu		-	29	
			30	
			31	
			32	

Cabling an AFF A320, AFF A400, AFF A700 or AFF A800 to a Cisco 9336C-FX2 shared switch

Cabling an AFF A	320, A400, A700, and A800 t	to a Cisco 9336C-FX2 shared	switch
MetroCluster 1,			1
Local Cluster Interface	See Hardware Universe		2
MetroCluster 2,	for availa	able ports	3
Local Cluster Interface			4
Storage shelf 1 (9)	NSM-A, e0a	NSM-A, e0b	5
Storage shell 1 (5)	NSM-B, e0a	NSM-B, e0b	6
ISL, Local Cluster	121 1.000	al Cluster	7
native speed / 100G	151, 100	il Cluster	8
MetroCluster 1,	Port 'A'	Port 'B'	9
MetroCluster interface	Port 'A'	Port 'B'	10
MetroCluster 2,	Port 'A'	Port 'B'	11
MetroCluster interface	Port 'A'	Port 'B'	12
ICI MatraCluster			13
ISL, MetroCluster,	ICL MatraCluster	ICL MatraCluster	14
native speed 40G / 100G breakout mode 10G	ISL, MetroCluster	ISL, MetroCluster	15
breakout mode 10G			16
MetroCluster 1,			17
Storage Interface	See Hardware Universe for available ports		18
MetroCluster 2,			19
Storage Interface			20
Storage shalf 2 (8)	NSM-A, e0a	NSM-A, e0b	21
Storage shelf 2 (8)	NSM-B, e0a	NSM-B, e0b	22
Stores shalf 2 (7)	NSM-A, e0a	NSM-A, e0b	23
Storage shelf 3 (7)	NSM-B, e0a	NSM-B, e0b	24
Storage shalf 4 (6)	NSM-A, e0a	NSM-A, e0b	25
Storage shelf 4 (6)	NSM-B, e0a	NSM-B, e0b	26
Ctorres shalf E (E)	NSM-A, e0a	NSM-A, e0b	27
Storage shelf 5 (5)	NSM-B, e0a	NSM-B, e0b	28
Storage shalf 5 (4)	NSM-A, e0a	NSM-A, e0b	29
Storage shelf 6 (4)	NSM-B, e0a	NSM-B, e0b	30
Storage shalf 7 (2)	NSM-A, e0a	NSM-A, e0b	31
Storage shelf 7 (3)	NSM-B, e0a	NSM-B, e0b	32
Characa ah -15 0 (0)	NSM-A, e0a	NSM-A, e0b	33
Storage shelf 8 (2)	NSM-B, e0a	NSM-B, e0b	34
Ct	NSM-A, e0a	NSM-A, e0b	35
Storage shelf 9 (1)	NSM-B, e0a	NSM-B, e0b	36

MetroCluster interfaces per platform			
Platform Port 'A' Port 'B'			
AFF A320	e0g	e0h	
AFF A400	e1a	e1b	
AFF A700	e5a	e5b	
AFF A800	e0b	e1b	

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