

DSA E-Series - Switching from LAN to fiber cables

en	Installaton manual

1 Short information

This manual describes how to switch over multiple NetApp E2800 Dual Controller units (using multi-pathing) from iSCSI copper NICs to optical fiber iSCSI without any data loss. The description is valid for the following products:

- E2800 12-bay

- DSA-N2E8X4-12AT
- DSX-N1D8X4-12AT
- DSA-N2C8X4-12AT
- DSA-N2E8X8-12AT
- DSX-N1D8X8-12AT
- DSA-N2C8X8-12AT
- DSA-N2E8XC-12AT
- DSX-N1D8XC-12AT
- DSA-N2C8XC-12AT
- DSA-N2E8XG-12AT
- DSX-N1D8XG-12AT
- DSA-N2C8XG-12AT
- E2800 60-bay
 - DSA-N6C8X4-60AT
 - DSA-N6C8X8-60AT
 - DSA-N6C8XC-60AT
 - DSX-N6D8X4-60AT
 - DSX-N6D8X8-60AT
 - DSX-N6D8XC-60AT
 - DSX-NRCK40-INT8

2

Switching from copper LAN cables to fiber cables

Notice!

The following description refers to a duplex controller configuration. For a single controller configuration, the procedure is analogous.

To switch from copper to fiber cables:

- 1. Connect all fiber cables to the E2800 system.
- 2. Make sure the channels are connected.

To do this, open the Configuration Manager program.

Click My Devices > Primary VRM > Pool x > Storage System > DSA E2800 system. Click the Network iSCSI tab.

All channels must have the status **Connected**.

Name	URL	Tumo								
■ 172.21.6.72		1354	CTN ~	General Basic Config	wration pad Balancing	Network Manageme	of Network ISCSI			
The MiCinteex2745	172.21.6.72 172.42.27.45	VIDECJET decoder 7000 MIC inteox 7100i	MC-	~ iSC SI Ports, Control	er A					_
 172.42.23.246 Primary VRM_4.0_Test_5 Pool 0 	172.42.5.245	VRM	MIC-	Channel 3		Channel 4		Channel 5	Channel 6	
Storage Systems	435 45 5 475	Des Case C. & Durature	- 11	P address 192 158 130 10	1	P address 192 168 131	101	P address 172.42.3.152	P address 172 42 3 153	
Target 0	172.42.3.162	ISCSI target DSA E2800 Full Duplex	1	Subret mask 255.255.255.0		Subnet mask 255.255.255)	Subret mask 255-255.0.0	Subret mask 255.255.0.0	
Devices	172 21 23 252	MIC IP fusion 9000i	MC-	Gateway 0.0.00		Gateway 0.0.0.0		172.42.1.251	172.42.1.251	
> E Streaming Gatew	172.42.5.242	Video StreamingGateway/1		Speed 10 Gbps		 ✓ Speed 10 Gbps 		✓ Speed 10 Gbps	V Speed 10 Chps	
HEI FLEXI outdoor	172.42.23.12 172.42.21.101	FLEXIDOME IP outdoor 4000 HD FLEXIDOME IP micro 5000 MP	NDN NUC	Status Connected		Status Connected		Status Connected	Status Connected	
HE FLEXIDOME L.	172.42.22.102 172.42.21.82 172.42.22.100	FLEXIDOME IP indoor 5000 IR TINYON IP 2000 HD FLEXIDOME IP outdoor 4000 HD	NII-5 NPC NDN	Role Master of Contr	oller B, Channel 3	Alternate of 0	controller B, Channel 4	Master of Controller B, Channel 5	Alternate of Controller B, Channel 6	
► 172.21.21.100	172.42.21.83	TINYON IP 2000 PIR FLEXIDOME IP micro 5000 MP	NPC NUC	✓ ISC SI Ports, Control	er B					
HE FLEXIDOME I	172.42.23.15	FLEXIDOME IP outdoor 5000 IR	NDI-	Channel 3		Channel 4		Channel 5	Channel 6	
HE FLEXIDOME 0	172,42,23,35	FLEXIDOME IP outdoor 5000 HD	NDN	P address 192,168,130,10	2	P address 192.168.131	102	P address 172.42.3.162	P address 172.42.3.163	
FIE FLEXIDOME	172.42.21.102	FLEXIDOME IP micro 5000 MP	NUC	Subret mask 255.255.255.0		Subnet mask 255 255 255	5	Subret mask 255.255.0.0	Subnet mask 255.255.0.0	
NED FLEXIDOME I	172.42.3.23	FLEXIDOME IP panoramic 5000 MP	NUC	Gateway 0.0.0.0		Gateway 172.42.1.251		172.42.1.251	172.42.1.251	
HEI PLEXIDOME	172 42 21 103	FLEXIDOME IP micro 2000 HD DINION IP 5000 MP	NUC	Speed 10 Gbps		V Speed 10 Gbps		V Speed 10 Gbps	Speed 10 Gbps	
HED FLEXI IP micr	172.42.21.110 172.42.4.43	FLEXIDOME IP micro 2000 DINION IP bullet 5000 HD	NUC NTH:	Status Connected		Status Connected		Status Connected	Status Connected	
FLEXI outdoor	172.42.23.19 172.42.3.25	FLEXIDOME IP outdoor 5000 HD FLEXIDOME IP panoramic 5000 MP V	NDN NUC	Role Alternate of Cor	ntroller A, Channel 3	Master of Co	ntroller A, Channel 4	Alternate of Controller A, Channel 5	Master of Controller A, Channel 6	
HED DINION IP 700	. 172.42.2.53 172.42.42.42	DINION IP 7000 HD DINION IP bullet5000 HD	NBN NTH:							
HEI BranVan Indoo	172.42.21.209	FLEXIDOME IP indoor 3000 DINION IP bullet 4000 HD	NDI- NTI							
IND DINION startig	172.42.2.55	DINION IP starlight 7000 HD DINION IP dynamic 7000 HD	NEN							
> 🕑 Pool 1										
* 10 1/2 42 / 127	172.42.7.127	DIVAR IP 7000 AIO	. *							

- 3. Open the VRM Dashboard program. To do this, enter in your web browser: <IP address of the Primary VRM>/monitoringsite/index.html
- 4. Click **Peripherals**, then click **Cameras**.

	× VRM					G Logout 🗘 🗊	
> Dashboard	Peripherals > Cam	ieras					
	Total channels Offline channels		31 0				
Peripherals	Signal loss count		2				
Devices	✓ List						
Cameras	Filter All					Preset Multipathing	✓ Preset options
Signal loss	Number of displayed entries	100 🛩				Se	sarch
Transcoders	Camera				Recording target		
Storage	Camera name	Camera address	Recording block	Multipathing support	Multipathing support	Multipath state	Active IP
Overview	Hibiscus_Indoor_27.65	172.42.5.242\1\1	172.42.3.163/0/57/1024	\oslash	\bigcirc	Preferred	172.42.3.163
Targets	Hibiscus_Indoor_27.65	172.42.5.242\1\2	172.42.3.163/0/57/1023	\oslash	\odot	Preferred	172.42.3.163
LUNs	Camera 2	172.21.23.252\0\2	172.42.3.152/0/70/210	\odot	\odot	Preferred	172.42.3.152
Blocks Protected blocks	Camera 1	172.21.23.252\0\1	172.42.3.152/0/70/522	0	$\overline{\bigcirc}$	Preferred	172.42.3.152
System	Camera 1	172.42.23.12\0\1	172.42.3.163/0/37/3664	\odot	\odot	Preferred	172.42.3.163
Lozbook	Camera 1	172.42.21.101\0\1	172.42.3.152/0/70/1042	\odot	\odot	Preferred	172.42.3.152
Export logbook	Camera 1	172.42.22.102\0\1	172.42.3.152/0/70/1030	\odot	\odot	Preferred	172.42.3.152
Playbacks	Camera 1	172.42.21.82\0\1	172.42.3.163/0/37/2628	$\overline{\oslash}$	$\overline{\oslash}$	Preferred	172.42.3.163
Jobs	Camera 1	172.42.22.100\0\1	172.42.3.152/0/70/513	0	\odot	Preferred	172.42.3.152
	Camera 1	172.42.21.83\0\1	172.42.3.152/0/70/1040	\odot	0	Preferred	172.42.3.152
	Camera 1	172.42.21.100(0\1	172.42.3.163/0/37/2633	\bigotimes	\odot	Preferred	172.42.3.163
	Camera 1	172.42.23.15\0\1	172.42.3.152/0/70/1039	$\overline{\oslash}$	$\overline{\oslash}$	Preferred	172.42.3.152
	Camera 1	172.42.21.81\0\1	172.42.3.163/0/37/2636	\bigcirc	\odot	Preferred	172.42.3.163
	Camera 1	172.42.23.35\0\1	172.42.3.163/0/37/3662	\odot	\odot	Preferred	172.42.3.163
	Camera 1	172.42.22.11\0\1	172.42.3.152/0/70/1034	0	$\overline{\otimes}$	Preferred	172.42.3.152
	Camera 1	172.42.21.102\0\1	172.42.3.163/0/47/2	0	0	Preferred	172.42.3.163
	Camera 1	172.42.80.14\0\1	172.42.3.163/0/37/3665	0	0	Preferred	172,42,3,163

Make sure that all devices have the status **Preferred** in the **Multipath state** column. 5.

Disconnect both alternate copper LAN cables. 6.

In the Configuration Manager program, the respective channels appear with the status Disconnected.

Filter			00						H	BOS
Name	URL	Туре	CTN ^	General Basic Configurati	ion Load Balancing	Network Management	Network (SCSI			
 172.21.6.72 MICInteox2745 172.42.23.246 Primary VRM_4.0_Test_5. 	172.21.6.72 172.42.27.45 172.42.23.246 172.42.5.242	VIDECJET decoder 7000 MIC intex 7100i MIC IP uttra 7100i VRM	MIC- MIC-	 iSCSI Ports, Controller A Channel 3 		Channel 4		Channel 5	Channel 6	
Pool 0 Storage Systems			- 11	Patrices		Pattern		Patrias	Patiens	
× m 172.42.3.152	172.42.3.152	DSA E2800 Full Duplex		192.168.130.101		192.168.131.10	1	172.42.3.152	172.42.3.153	
Target 0		ISCSI target	_	Subset mask		Subset mask		Subset mask	Subset mask	
> 000 172 42 3 163	172 42 3 163	DSA E2800 Entl Durclay		255.255.255.0		255 255 255.0		255.255.0.0	255 255.0.0	
~ Devices	116.76.7.790		- 11	Gateway		Gateway		170.40 1.061	170 40 1 051	
> 🐨 172.21.23.252	172.21.23.252	MIC IP fusion 9000i	MIC-	0.0.0.0		0.0.0.0		0.000		
> E Streaming Gatew.	172.42.5.242	Video Streaming Gateway/1	- 11	Speed		Speed		Speed	Speed	
Y D CPP4				10 Gbps		10 Gbps		10 Gbps		
FLEXI outdoor	172.42.23.12	FLEXIDOME IP outdoor 4000 HD	NDN	Status		Status		Status	Status	
FLEXI IP micr.	172.42.21.101	FLEXIDOME IP micro 5000 MP	NUC	Connected		Connected		Connected	Disconnected	
FLEXIDOME I.	172.42.22.102	FLEXIDOME IP indoor 5000 IR	NI-5	Role		International Con-	shalles D. Channel J.	Markey of Cardinalise D. Channel F.	discusts of Controller D. Channel C.	
IND TINYON IP 20.	172.42.21.82	TINYON IP 2000 HD	NPC	Master of Controller	B, Channel 3	Paternake of Our	Noter D, Claniner 4	instance of constant b, claimer b	Paternale of Constoner D, Channer D	
FLEXIDOM ou	172.42.22.100	FLEXIDOME IP outdoor 4000 HD	NDN	-						
1000_2	172.42.21.83	TINYON IP 2000 PIR	NPC	~ iSCSI Ports, Controller B						
HD 172.21.21.100	172.42.21.100	FLEXIDOME IP micro 5000 MP	NUC							
FLEXIDOME I	. 172.42.23.15	FLEXIDOME IP outdoor 5000 IR	NDI-	Chappel 3		Channel 4		Chappel 5	Changel 6	
IND TINYON IP 20.	172.42.21.81	TINYON IP 2000 PIR	NPC	Contraction of the second seco		1000000000		Second and	190902000	
FLEXIDOME o		FLEXIDOME IP outdoor 5000 HD	NDN	IP address		IP address		IP address	IP address	
FLEXIDOME o	172.42.22.11	FLEXIDOME IP outdoor 5000 IR	NDI-	192.168.130.102		192.168.131.10	2	172.42.3.162	172.42.3.163	
FLEXIDOME	172.42.21.102	FLEXIDOME IP micro 5000 MP	NUC	Subnet mask		Subnet mask		Subnet mask	Subnet mask	
HE 172.42.80.14	172.42.80.14	TINYON IP 2000 HD	NPC	255.255.255.0		255 255 255.0		255.255.0.0	255 255 0 0	
FLEXIDOME I	. 172.42.3.23	FLEXIDOME IP panoramic 5000 MP	NUC	Gateway		Gateway				
HE Bran Van Indoo	172.42.21.208	FLEXIDOME IP indoor 3000	NDI-	0.0.0		172.42.1.251		1/2.42.1.251	172.42.1.251	
FLEXIDOME.	172.42.21.103	FLEXIDOME IP micro 2000 HD	NUC	Speed		Speed		Speed	Speed	
Dinion IP 5000	172 42 21 22	DINION IP 5000 MP	NEN	10 Gbps		10 Gbps		Unknown		
FLEXI IP micr.	172 42 21 110	FLEXIDOME IP micro 2000	NUC	Status		Status		Status	Status	
Dinion bullet 4	172.42.4.43	DINION IP bullet5000 HD	NTH	Connected		Connected		Disconnected	Connected	
FLEXI outdoor.	172.42.23.19	FLEXIDOME IP outdoor 5000 HD	NDN	Role		Harden of Course		Annual of Contractor Connector	Manual Contractory Channel C	
Rola 3.25	172.42.3.25	FLEXIDOME IP panoramic 5000 MP V.	NUC	Alternate of Controlle	er A, Channel 3	master of Contr	over A, Unanfiel 4	Animate of Controller A, Channel 5	master or controller A, Channel 6	
DINION IP 700	172 42 2 53	DINION IP 7000 HD	NEN							
HE 172 42 42 42	172 42 42 42	DINION IP bullet 5000 HD	NTH							
Inter Constitute in day	170 40 01 000	ELEXIDOME IR index 2000	NDL							

 For Controller A and B, copy the alternate values in the IP address, Subnet mask and Gateway boxes to the fiber channels (from Channel 6 to Channel 4). Then enter free IP addresses for Channel 6.

Type VODUCT Secolar 7000 MID Deleval 7100 248 MID Deleval 7100 249 MID Deleval 7100 249 MID Deleval 7100 DSAE 2200 Full Deplex DSAE 2200 Full Deplex 227 DV/AR IP 7000 A/D	CTN MC-76 MC-75	General Basic Configuration Load Balancin V ISC NPorts, Committer A Channel 3 Publics 1922 Mar 13th 1911 Dated mark 2023 2023 20 Gilnewy	2 Network, Management Network, ISCS Channel 4 P actimus 172 423 1453 Distort mast 255 250 0.0	Channel 5 P Adones 1724 23 192 504 Franci 282 526 9 0	Channel 6 Pradoress 192-108-100-104 Scholm mask
Type VIDEOLET decoder 7100 45 MID: UNICA 7100 46 MID: UNICA 7100 248 MID: UNICA 7100 248 MID: UNICA 7100 249 MID: UNICA 7100 240 MID: UNICA 7100 241 MID: UNICA 7100 242 VRM 243 MID: UNICA 7100 244 MID: UNICA 7100 245 MID: UNICA 7100 246 MID: UNICA 7100 247 DIVAR IP 7000 AID	CTN MC-76	General Basic Configuration Load Batancin - IECSI Ports, Controller A - - Image: Controller A Image: Controller A - Image: Controller	Channel A Pastrins 172423.153 Sont rank 255.255.0.0	Channel 5 P adoress 172 423 152 Satoret maxi. 252 525 0.0	Chartel 5 Publices 192, 198, 130, 194 Solidi mak
VIDEOLET decoder 7000 MC (Inter-) 700 MC (Inter-) 7100 VIDE VID	MIC-76 MIC-75	 ISCSI Ports, Controller A Channel 3 Padoress 192,194,103 (101) Soluter transi 255,055 (5) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	Channel 4 P address 172.42.3.163 Subort mask 265.255.0.0	Channel 5 P schress 172.42.3.152 Schred max. 255.259.00	Channel 6 P aspress 192 168-130.104 Subort mask
43 MC (P uthe 3/100) 43 MC (P uthe 3/100) 42 MC (P uthe 3/100) 42 VRM 152 DSA E2800 Full Duplex 163 DSA E2800 Full Duplex 164 DNAR IP 7000 AD	MC-75	 ISC SI Ports, Controller A Channel 3 P Address 192 169, 130, 101 Subset mask 256, 255 256, 0 Gateway 	Channel 4 P address 172423-183 532423-03 255.255.00	Channel 5 P address 172.423.152 Subset mask 255.259.00	Channel 6 P address 192 168.130.104 Subrit mask
246 MCI IP vitra 7100i 242 VRM 152 DSA E2800 Full Duplex 150 DSA E2800 Full Duplex 152 DIVAR IP 7000 AID	MIC-75	Channel 3 P address 192,149,130,101 Suited mask 255,255,056,0 Gateway	Channel 4 P address 172.42.3.153 Submit mask 255.255.0.0	Channel 5 P adoress 172 42 3 152 Subset mask 285 258 0.0	Channel 6 P address 192-160.130.104 Schoet mask
VRM SA E2800 Full Duplex DSA E2800 Full Duplex DSA E2800 Full Duplex DIVAR IP 7000 AD DIVAR IP 7000 AD		Channel 3 P address 192,168,130,101 Subret mask 285,285,0 Gateway	Channel 4 P. address 172.42.3.153 Subnet mask 265.285.0.0	Channel 5 P address 172.42.3.152 Subort mask 255.255.0.0	Channel 6 P address 192.168.130.104 Subnet mask
S2 DSA E2800 Full Duplex DSA E2800 Full Duplex 127 DIVAR IP 7000 A00		P addreas 192.168.130.101 Subret mask 255.255.255.0 Gateway	P odress 172.42.3.153 Subset mask 285.255.0.0	P address 172.42.3.152 Subnet mask 255.255.0.0	P address 192.168.130.104 Subnet mask
S2 DSA E2800 Full Duplex DSA E2800 Full Duplex DSA E2800 Full Duplex S2 DIVAR IP 7000 AIO		P address 192,188,130,101 Subnet mask 285,255,256,0 Gateway	P address 172.42.3.153 Subset reask 255.255.0.0	P address 172.42.3.152 Subnet mask 255.255.0.0	P address 192.168.130.104 Subret mask
152 DSA E2800 Full Duplex 163 DSA E2800 Full Duplex 157 DIVAR IP 7000 AIO		Subnet mask 255,255,255,0 Gateway	Subnet mask 255.255.0.0	Subret mask 255.255.0.0	Subnet mask
IST DISA E2800 Full Duplex		Subret mask 255.255.255.0 Gateway	Subset mask 255.255.0.0	Subret mask 255.255.0.0	Subnet mask
127 DIVAR IP 7000 AIO		Gateway	200.200.00	600.600.00	255 255 255 0
127 DIVAR IP 7000 AIO		Gateway			200,200,200,0
127 DIVAR IP 7000 AIO			Gateway	172.42.1.251	0.0.0.0
		0000	1/2.42.1.251		
		Spred	Speed	✓ Speed	Speed
		10 GDps	10 Gops		
		Status	Status	Status	Status
50 AUTODOME IP starlight 5100i	NDP-55	Connected	Connected	Connected	Disconnected
I8 FLEXIDOME IP starlight 80001		Role	Alternate of Controller B, Channel 4	Master of Controller B, Channel 5	Alternate of Controller B, Channel 6
2 AUTODOME IP starlight 7000i	NDP-75	Master of Controller B, Channel 3			
25 AUTODOME IP 50001 IR	NDP-65				
50 FLEXIDOME IP starlight 80001		V ISC SI Ports, Controller B			
246 MIC IP ultra 7100i	MIC-75				
		Channel 3	Channel 4	Channel 5	Channel 6
		Paddress	IP address	P address	P address
		172.42.3.162	192.168.131.102	192.168.131.103	172.42.3.163
		Subret mask	Subnet mask	Subnet mask	Subnet mask
		200.200.0.0	255,255,255,0	200.200.200.0	255.255.0.0
		Goteway	Gateway	0000	172 42 1 251
		172.42.1.251	172.42.1.251		
		Speed	Speed	Speed	Speed
		10 Gbps	10 Gops	Unknown	
		Status	Status	Status	Status
		Connected	Connected	Disconnected	Connected
		Role Alternate of Controller A, Channel 3	Master of Controller A, Channel 4	Alternate of Controller A, Channel 5	Master of Controller A, Channel 6
	s ALTOORE # 500 M PLCDCORE # Hungel 8000	S AUTOOKE POOL PARA	s AUTODOR Prove 7100 NEXADOR Prove 7100 NEXT Control Prove 7100 NEXT	S AUTODOR P MOR N S8 MO2 P Wat 7100 S8 MO2 P WAT	A JUCDO DE Ploto R NOP-10 368 MC P Units 7100 MC15 369 MC17 Units 7100 MC15

- 8. Use the Ping command to make sure there is a connection to both alternate IP addresses.
- In the VRM Dashboard program, make sure the Multipath configuration column is set to OK for both alternate IP addresses.

To do this:

In the VRM Dashboard program, click **Storage**, then click **Targets**.

In the **Target address** column, select the respective row, then click **Check** to update the **Multipath configuration** column.

	VRM				G Logout 🗘 🛱 🕐	BOSCH
	Storage > Targets					
Dashboard						
₩ Peripherals ^	Target count LUN count Offline targets Offline LUN count	2 Capacity 86 Total 0 Usable 0 Available Empty Protected				314.273 TB 314.273 TB 310.505 TB 313.060 TB 0 bytes
Signal loss	✓ List					
Legacy recordings	Filter All				Preset Multipathing V	Preset options
Transcoders	Number of displayed entries 10 ¥				Search	
■ Storage ^	Target address © Pool ID Connection time	Multipathing support	Multipath state Active IF	Alternative multipath IP	Multipath configuration	
Overview Targets	172.42.3.163/0 0 1	lm 04s 🕢	Preferred 172.42.3	.163 172.42.3.153	OK	Check
LUNs Blocks	172.42.3.152/0 0 1	im 18s 🥥	Preferred 172.42.3	.152 172.42.3.162	OK	Check
Protected blocks	Displayed entries: 1 to 2 Total entries: 2					H < 1 > H
Logbook Export logbook Rimback						
Jobs	✓ Details					
Pools	Target > 172.42.3.163\0					
	Filter Information				Overview	Capacity
	Number of displayed entries 10 V			Search	Connection time	15m 04s
	Type © Address Date	Description			Current bit rate	18 Mbps
	(1) 172.42.3.163\0 2021-07-16 13:13:31	Multipath status changed from redundar	ncy unavailable to preferred. Connected vi	a 172.42.3.163.	ISCSI session count Manufacturer	15 DSA E2800 Full Duplex
	(i) 172.42.3.163\0 2021-07-16 13:00:03	Target is available again.			Go to "LUNs" for t	is target
	Displayed entries: 1 to 2 Total entries: 2			н с 🛐 э	H	

10. Disconnect both master copper LAN cables.

 For Controller A and B, copy the master IP addresses in the IP address, Subnet mask and Gateway boxes to the fiber channels (from Channel 5 to Channel 3).
 Enter free IP addresses for Channel 5.

			0				(H) BO
ne	URL	Туре	CTN	General Ratio Configuration Land Rataco	na Network Management Network (202)		
HD 172.21.6.72	172 21.6.72	VIDEOJET decoder 7000		Official Basic Configuration Cost Basico			
MiCintecx2745	172.42.27.45	MIC inteox 7100	MIC-76	~ ISCSI Ports, Controller A			
172.42.23.246	172.42.23.246	MIC IP ultra 7100i	MIC-75				
Primary VRM_4.0_Test_5	172.42.5.242	VRM		Channel 2	Channeld	Channel	Channel®
Pool 0				Channel 5	Crannel 4	Channel 5	Channel 6
v 🖿 Storage Systems				P address	P address	P address	P address
> 000 172.42.3.152	172.42.3.152	DSA E2800 Full Duplex		172.42.3.152	172.42.3.153	192.168.130.103	192.168.130.104
> 000 172.42.3.163	172.42.3.163	DSAE2800 Full Duplex		Subnet mask	Subnet mask	Subnet mask	Subnet mask
> Devices				255.255.0.0	255.255.0.0	255.255.255.0	255.255.255.0
Pool 1				Gateway	Gateway		
172.42.7.127	172.42.7.127	DIVAR IP 7000 AIO		172.42.1.251	172.42.1.251	00.00	0.0.00
Pool 0				Speed	Speed	Speed	Speed
				10 Gbps	10 Gbps	Y Unknown	
				Status	Status	Status	Status.
				Connected	Connected	Disconnected	Disconnected
				Role	Hereite of October 10 Observed a	Martin d Octoberry D. Observed C.	through at October 10 Observation
				Master of Controller B, Channel 3			
				~ ISC SI Ports, Controller B	Channel 4	Chapped E	Chassed 6
				Commerce		Contractor of	Citatine
				P address	IP address	Poddress	P address
				P address 172.42.3.162	IP address 172.42.3.163	P address 192.158,131.103	P address 192,168,131,104
				P address 172,42,3,162 Subret mask	IP address 172.42.3.163 Subset mask	IP address 192.168.131.103 Subret mask	P address 192 168-131 104 Subnet mask
				P sódress 172.42.3.162 Subret maik 255.255.0.0	P adress 172.42.3.163 Subart mak 255.255.0.0	P address 192,168,131,103 Subolt mast 255,255,255,0	P address 192-168-131.104 Subset mask 255-255-255-0
				P address 172.42.3.162 Subret mark 255.255.0.0 Gateway	P address 172.42.3163 Subset mask 265.055.00 Calterray	P address 192 168, 131 103 Subret mask 255 255 255 0	P address 192.168.131.104 Subset mask 255.255.255.0
				P address 172-42-3 162 Subnet mask 255-255-00 Gateway 172-42-1 251	P 2423163 172423163 Subst mask 255255.0.0 Galerary 172421255	P addresa 192,164,131,103 Subret mast 256,256,256,0 0,0,0,0	9 adress 192.168.131.104 Subrat matk 255.255.255.0 0.0.0.0
				P address 172.42.3.162 Subriel mask 252.525.0 Galeruny 172.42.1251 Speed	Padates 172.42.3.163 Subset mask 255.259.00 Galamay 172.42.1251 Speed	P 400res 192,168,131,103 5/44,131,103 255,255,6 0,0,0,0 5/44,0 5/44,0 5/44,0	P address 192 198 131 104 Subort mask 2555255 0 0.0.0.0 Speed
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- 12. Use the Ping command to make sure there is a connection to both alternate IP addresses.
- In the VRM Dashboard program, make sure the Multipath configuration column is set to OK for both master IP addresses.

To do this:

In the VRM Dashboard program, click **Storage**, then click **Targets**.

In the **Target address** column, select the respective row, then click **Check** to update the **Multipath configuration** column.

×	VRM				G Logout 🗘 🛱 🕐	BOSCH
	Storage > Targets					
Dashboard Peripherals Onevices Cameras	Target count LUN count Offline turgets Offline LUN count	2 Capacity 86 Total 0 Usable 4 valiable Emoty Protected				314.273 TB 314.273 TB 310.505 TB 313.060 TB 0 bytes
Signal loss Legacy recordings Transcoders	V List Filter All V Number of displayed entries 10 V				Preset Multipathing V	Preset options
🛢 Storage 🔨 ^	Target address	time Multipathing support	Multipath state Active	IP Alternative multipath IP	Multipath configuration	
Overview Targets	172.42.3.163/0 0	15m 04s 🥥	Preferred 172.42	.3.163 172.42.3.153	ОК	Check
LUNs Blocks Protected blocks	172.42.3.152/0 0	18m 18s ⊘	Preferred 172.42	.3.152 172.42.3.162	OK	Check
🛡 System 🔨	Displayed entries: 1 to 2 Total entries: 2					к < <mark>1</mark> > н
Logbook Esport logbook Playtacka Joba Poola	✓ Details Target ≥ 172.42.3.163\0 twint tog Graph					
	Filter Information V				Overview	Capacity
	Number of displayed entries 10 V Type © Address Date	Description		Search	Connection time Corrent bit rate	15m 04s 18 Mbps
	(i) 172.42.3.163\0 2021-07-16 13:13:31	Multipath status changed from redund	incy unavailable to preferred. Connected	via 172.42.3.163.	Manufacturer	15 DSA E2800 Full Duplex
	(i) 172.42.3.163\0 2021-07-16 13:00:03	Target is available again.			Go to 'LUNs' for th	is target
	Displayed entries: 1 to 2 Total entries: 2			14 c 🚺 5	H	

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