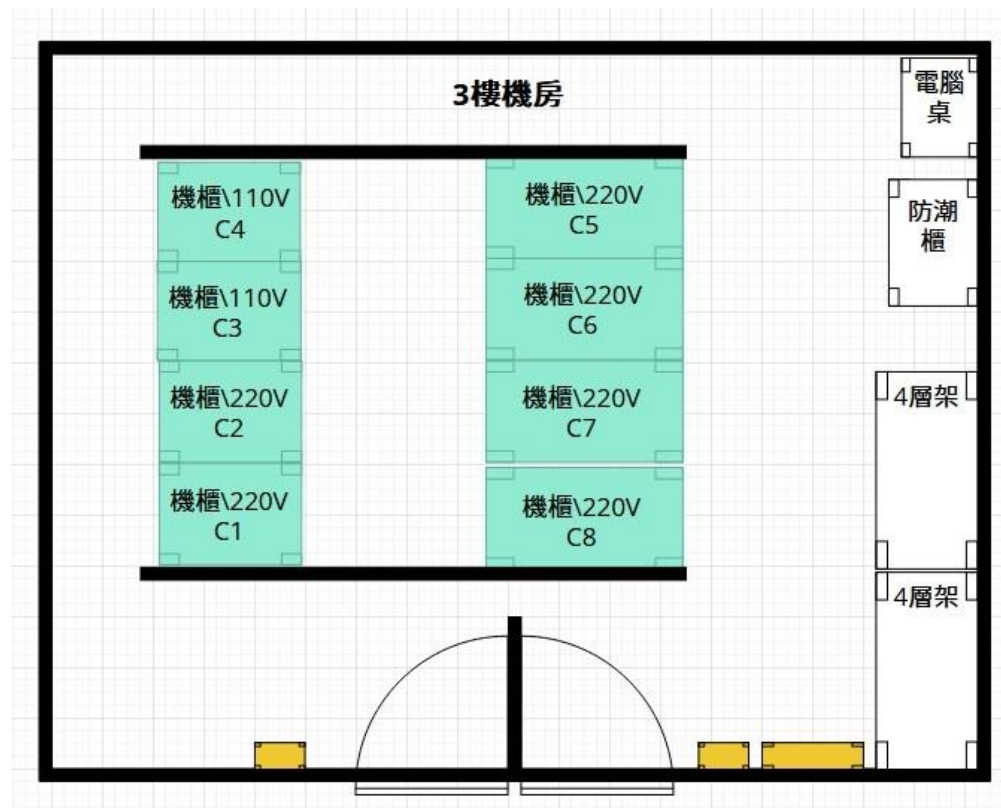


「光纖交換機」財物採購案
需求說明書附件 1：線路調整

- 以下資料供廠商投標參考用，實際接線以得標後，廠商現場依需求討論後施作為準。

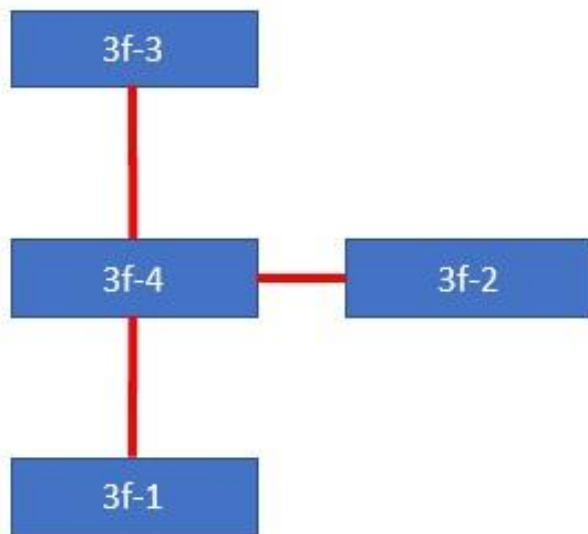
一、本中心機房平面圖

現有光纖交換機位置
C1\fiber3f-1
C5\fiber3f-2
C5\fiber3f-3
C2\fiber3f-4
新增光纖交換機位置
C6\fiber3f-5
C6\fiber3f-6

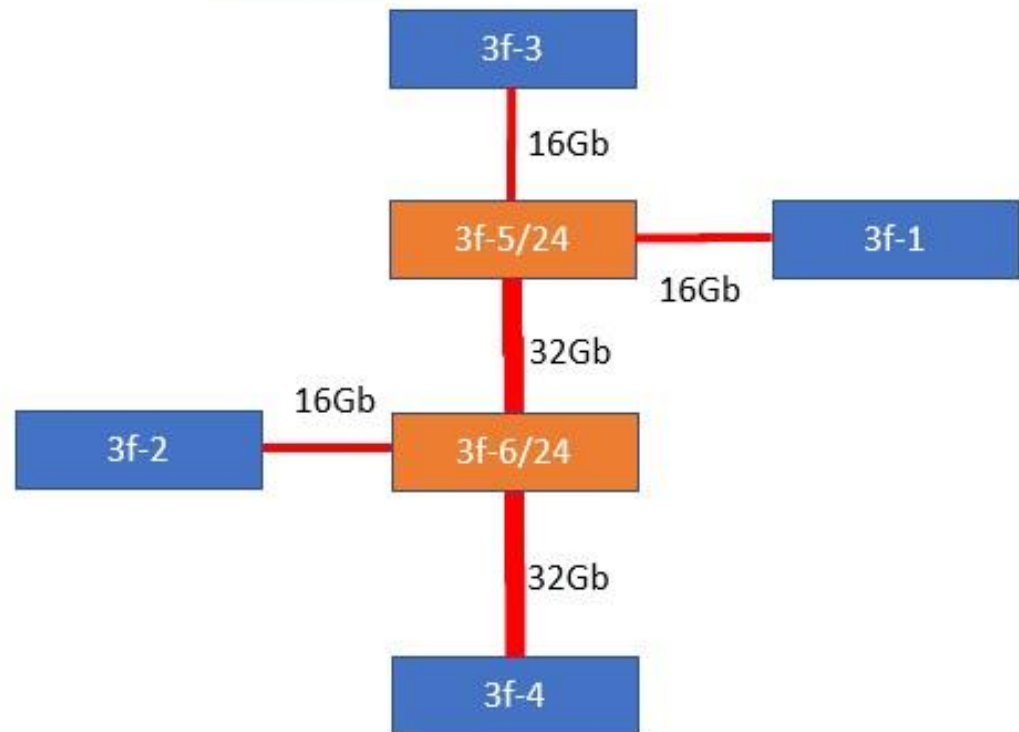


二、本案光纖交換機架構調整

現有架構



新的架構



三、線路調整

- 本中心舊有接線（下表 Port no 為統計同設備接線數用，非實際使用之 Port no）

Port	fiber-3f1	fiber-3f2	fiber-3f3	fiber-3f4
0	Stor-4	mdc-3F-1	fiber-3f4-c2	fiber-3f1-c1
1	Stor-4	mdc-3F-1	fiber-3f4-c2	fiber-3f1-c1
2	Stor-4	Stor_6	mis-ws703(Dell P7920)	fiber-3f2-c51
3	Stor-4	Stor_6	Stor_2040-C1	fiber-3f2-c51
4	Stor-5	stor-meta		fiber-3f3-c52
5	Stor-5	stor-meta		fiber-3f3-c52
6	Stor-5			Stor-1
7	Stor-5			Stor-1
8	ARRI工作站	fiber-3f4-c2	Stor-2	Stor-Areca
9	scanity工作站	fiber-3f4-c2	Stor-2	Stor-Areca
10		Tape i3	Stor-2	Stor-Areca
11	scantable工作站	Stor_2040-C1	Stor-2	Stor-Areca
12	NUCODA工作站	Stor-1	mdc-3F-2	Stor-Areca
13	mac mini 磁帶機	Stor-1	mdc-3F-2	Stor-Areca
14	Stor-1	Stor-1	Stor-meta	Stor-Areca
15	Stor-1	Stor-1	Stor-meta	Stor-Areca
16	收容箱5F-Fiber Switch	Stor-2	Stor-3	Stor-4
17	收容箱5F-Fiber Switch	Stor-2	Stor-3	Stor-4
18	收容箱5F-Fiber Switch	Stor-2	Stor-3	Stor-4
19	收容箱5F-Fiber Switch	Stor-2	Stor-3	Stor-4
20	fiber-3f4	Stor-3	Stor_6	Stor-5
21	fiber-3f4	Stor-3	Stor_6	Stor-5
22	Stor-msa2050	Stor-3		Stor-5
23	Stor-msa2050	Stor-3		Stor-5

● 得標廠商調整新接線 (下表 Port no 為統計同設備接線數用，非實際使用之 Port no)

Port	fiber-3f1/16Gb/C1	fiber-3f4/C2	fiber-3f2/16Gb/C3	fiber-3f3/16Gb/C5	fiber-3f5/C6	fiber-3f6/C6		
0	fiber-3f5	fiber-3f6/32Gb	32 fiber-3f6/16Gb	fiber-3f5	fiber-3f1-c1	16 fiber-3f2-c51	16	
1	fiber-3f5	fiber-3f6/32Gb	32 fiber-3f6/16Gb	fiber-3f5	fiber-3f1-c1	16 fiber-3f2-c51	16	
2	收容箱5F-Fiber Switch	Stor-4_A1	16 mdc-3F_A	stor-meta-b3f-c5_A	fiber-3f3/16Gb	16 fiber-3f4-c2(P0)	32	
3	收容箱5F-Fiber Switch	Stor-4_A2	16 mdc-3F_A	Stor-meta-b3f-c5	fiber-3f3/16Gb	16 fiber-3f4-c2(P1)	32	
4	收容箱5F-Fiber Switch	Stor-4_A3	16 mdc-3F_B	Stor-meta-b3f-c5-B	fiber-3f6/32Gb	16 fiber-3f5	32	
5	收容箱5F-Fiber Switch	Stor-4_A4	16 mdc-3F_B	Stor-meta-b3f-c5-B	fiber-3f6/32Gb	16 fiber-3f5	32	
6	Stor-Areca	Stor-4_B1	16 Stor_3_A1	Stor-2_A1	Stor_6_A1	32 Stor-1_A1	16	
7	Stor-Areca	Stor-4_B2	16 Stor_3_A2	Stor_2_A2	Stor_6_A2	32 Stor-1_A2	16	
8	Stor-Areca	Stor-4_B3	16 Stor_3_A3	Stor-2_A3	Stor_6_B1	16 Stor-1_A3	16	
9	Stor-Areca	Stor-4_B4	16 Stor_3_A4	Stor_2_A4	Stor_6_B2	16 Stor-1_A4	16	
10	Stor-Areca	Stor-5_A1	16 Stor_3_B1	Stor-2_B1	Stor_2040-C1-A1	16 Stor-1_B1	16	
11	Stor-Areca	Stor-5_A2	16 Stor_3_B2	Stor_2_B2	Stor_2040-C1-B1	16 Stor-1_B2	16	
12	Stor-Areca	Stor-5_A3	16 Stor_3_B3	Stor-2_B3		16 Stor-1_B3	16	
13	Stor-Areca	Stor-5_A4	16 Stor_3_B4	Stor_2_B4		16 Stor-1_B4	16	
14	Stor-msa2050/A1	Stor-5_B1	16	Tape i3		16	32	
15	Stor-msa2050/B1	Stor-5_B2	16	mis-ws703(Dell P7920)		16	32	
16	收容箱scantable	Stor-5_B3	16	mac mini 磁帶機		16	32	
17	收容箱B2F-NUCODA	Stor-5_B4	16			16	32	
18	ARRI工作站					32	32	
19	scanity工作站					32	32	
20						32	32	
21						32	32	
22						32	32	
23						32	32	

四、本中心現有四台光纖交換機架構轉換為六台光纖交換機的接線/hostname/IP/ID/型號（下表 Port no 為目前紀錄實際使用 Port no）

fiber3f-1：現有架構

fiber-3f1-c1 Brocade 6505-12-0R 24/24P		16G SFP 24P ISL Trunking		fiber-3f1-c1 10.0.7.31 id: 1			
0	Stor-4_A1	1	Stor-4_A3	2	Stor-4_B1	3	Stor-4_B3
4	Stor-5_A1	5	Stor-5_A3	6	Stor-5_B1	7	Stor-5_B3
8	ARRI工作站	9	scanity工作站	10		11	收容箱scantable
12	收容箱B2F-NUCODA	13	mac mini 磁帶機	14	Stor-1_A2	15	Stor-1_A4
16	收容箱5F-Fiber Switch	17	收容箱5F-Fiber Switch	18	收容箱5F-Fiber Switch	19	收容箱5F-Fiber Switch
20	fiber-3f4-c2(P0)	21	fiber-3f4-c2(P1)	22	HP msa2050/A1	23	HP msa2050/B1

fiber3f-1：得標廠商新調整架構

fiber-3f1-c1 新的接線 Brocade 6505-12-0R 24/24P		16G SFP 24P ISL Trunking		fiber-3f1-c1 10.0.7.31 id: 1		4/24	
0	fiber-3f5/16Gb	1	fiber-3f5/16Gb	2		3	
4	收容箱5F-Fiber Switch	5	收容箱5F-Fiber Switch	6	收容箱5F-Fiber Switch	7	收容箱5F-Fiber Switch
8	Stor-Areca	9	Stor-Areca	10	Stor-Areca	11	Stor-Areca
12	Stor-Areca	13	Stor-Areca	14	Stor-Areca	15	Stor-Areca
16	HP msa2050	17	HP msa2050	18	收容箱scantable	19	收容箱B2F-NUCODA
20	ARRI工作站	21	scanity工作站	22		23	

fiber3f-2：現有架構

fiber-3f2-c51 HD-6505-12-16G-0R 24/24P		16G SFP 24P ISL Trunking		FIBER-3F-21 10.0.2.168 id: 3			
0	mdc-3F_A	1	mdc-3F_A	2	Stor_6_A1	3	Stor_6_B1
4	Stor-meta-b3f-c5_A	5	Stor-meta-b3f-c5	6		7	
8	FIBER-3F-4(P2)	9	FIBER-3F-4(P3)	10	i3	11	Stor_2040-C1-A1
12	Stor-1_A1	13	Stor-1_A3	14	Stor-1_B1	15	Stor-1_B3
16	Stor-2_A1	17	Stor-2_A3	18	Stor-2_B1	19	Stor-2_B3
20	Stor_3_A1	21	Stor_3_A3	22	Stor_3_B1	23	Stor_3_B3

fiber3f-2：得標廠商新調整架構

fiber-3f2-c51 新的接線 HD-6505-12-16G-0R 24/24P		16G SFP 24P ISL Trunking		FIBER-3F-21 10.0.2.168 id: 3			
0	fiber-3f5/16Gb	1	fiber-3f5/16Gb	2		3	
4	mdc-3F	5	mdc-3F	6	mdc-3F	7	mdc-3F
8	Stor_3	9	Stor_3	10	Stor_3	11	Stor_3
12	Stor_3	13	Stor_3	14	Stor_3	15	Stor_3
16		17		18		19	
20		21		22		23	

fiber3f-3：現有架構

fiber-3f3-c52 HD-6505-12-16G-0R 24/24P		16G SFP 24P ISL Trunking		fiber-3f3-c5 10.0.7.33 id: 4			
0	fiber-3f4-c2(P4)	1	fiber-3f4-c2(P5)	2	mis-ws703(Dell P7920)	3	Stor_2040-C1-B1
4		5		6		7	
8	Stor_2_A2	9	Stor_2_A4	10	Stor_2_B2	11	Stor_2_B4
12	mdc-3F_B	13	mdc-3F_B	14	Stor-meta-b3f-c5-B	15	Stor-meta-b3f-c5-B
16	Stor_3_A2	17	Stor_3_A4	18	Stor_3_B2	19	Stor_3_B4
20	Stor_6_A2	21	Stor_6_B2	22		23	

fiber3f-3：得標廠商新調整架構

fiber-3f3-c52 新的接線 HD-6505-12-16G-0R 24/24P		16G SFP 24P ISL Trunking		fiber-3f3-c52 10.0.7.33 id: 4			
0	fiber-3f5	1	fiber-3f5	2		3	
4	stor-meta	5	stor-meta	6	stor-meta	7	stor-meta
8	Stor_2	9	Stor_2	10	Stor_2	11	Stor_2
12	Stor_2	13	Stor_2	14	Stor_2	15	Stor_2
16	Tape_i3	17	mis-ws703(Dell P7920)	18	mac mini 磁帶機	19	
20		21		22		23	

fiber3f-4：現有架構

fiber-3f4-c2 Dell CTX-DS-6610B 24/24P		16G SFP 24/24P ISL Trunking		fiber-3f4-c2 10.0.7.34 id: 7			
0	fiber-3f1-c1	1	fiber-3f1-c1	2	fiber-3f2-c51	3	fiber-3f2-c51
4	fiber-3f3-c52	5	fiber-3f3-c52	6	Stor-1_B2	7	Stor-1_B4
8	Stor-Areca	9	Stor-Areca	10	Stor-Areca	11	Stor-Areca
12	Stor-Areca	13	Stor-Areca	14	Stor-Areca	15	Stor-Areca
16	Stor-4_A2	17	Stor-4_A4	18	Stor-4_B2	19	Stor-4_B4
20	Stor-5_A2	21	Stor-5_A4	22	Stor-5_B2	23	Stor-5_B4

fiber3f-4：得標廠商新調整架構（其中原 2 埠 16Gb 模組與本案新購 fiber3f-6 上之 2 埠 32Gb 模組對調）

fiber-3f4-c2 新的接線 Dell CTX-DS-6610B 24/24P		16G SFP 24/24P ISL Trunking		fiber-3f4-c2 10.0.7.34 id: 7			
0	fiber-3f6/32Gb	1	fiber-3f6/32Gb	2		3	
4	Stor-4	5	Stor-4	6	Stor-4	7	Stor-4
8	Stor-4	9	Stor-4	10	Stor-4	11	Stor-4
12	Stor-5	13	Stor-5	14	Stor-5	15	Stor-5
16	Stor-5	17	Stor-5	18	Stor-5	19	Stor-5
20		21		22		23	

fiber3f-5：本案新採購之新架構規劃

fiber-3f5-c61 新的光纖交換機 Dell CTX-DS-6610B 24/24P		16G SFP 24/24P ISL Trunking		fiber-3f5-c61 10.0.7.35 id: 5			
0	fiber-3f1-c1	1	fiber-3f1-c1	2	fiber-3f2-c51	3	fiber-3f2-c51
4	fiber-3f3-c52	5	fiber-3f3-c52	6	fiber-3f6/32Gb	7	fiber-3f6/32Gb
8	Stor_6	9	Stor_6	10	Stor_6	11	Stor_6
12	Stor_2040	13	Stor_2040	14		15	
16		17		18	32Gb	19	32Gb
20	32Gb	21	32Gb	22	32Gb	23	32Gb

fiber3f-6：本案新採購之新架構規劃

fiber-3f6-c62 新的光纖交換機 XXX 24/24P		16G SFP 24/24P ISL Trunking		fiber-3f6-c62 10.0.7.36 id: 6			
0	fiber-3f2-c51	1	fiber-3f2-c51	2	fiber-3f4-c2 /32Gb	3	fiber-3f4-c2 /32Gb
4	fiber-3f5 /32Gb	5	fiber-3f5 /32Gb	6	32Gb	7	32Gb
8	Stor-1	9	Stor-1	10	Stor-1	11	Stor-1
12	Stor-1	13	Stor-1	14	Stor-1	15	Stor-1
16	32Gb	17	32Gb	18	32Gb	19	32Gb
20	32Gb	21	32Gb	22	32Gb	23	32Gb