#### 1. VLAN 설정

스위치에 VLAN 설정을 하기 위해서는 좌측 메뉴의 VLAN > VLAN > Create VLAN을 클릭 하세요

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C	VLAN >> VLAN >> Create VLAN VLAN >> VLAN >> Create VLAN VLAN VLAN >> VLAN Create VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN VLAN Table Showing Id 1 of 1 entries	© ⊗ ⊙ > ♡ ≡ 8 ♥ Save   Logout   Reboot   Debug
Discovery     DHCP     Multicast     Routing     Security     ACL     QoS     Diagnostics     Management	VLAN     Name     Type     VLAN Interface State       1     default     Enabled         Edit     Delete	First Previous 1 Next Last

추가하려는 VLAN을 Available VLAN에서 선택하고 하고 > 화살표 버튼을 누르세요

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SWITCH				
				Save   Logout   Reboot   Debu
, , , , , , , , , , , , , , , , , , ,	VLAN >> VLAN >> Create VLAN			
Status				
Network	[			1
Port	Available VLAN Create	ed VLAN		
VLAN	VLAN 2995 ^ VLAN	11 ^		
	VLAN 2996			
Create VLAN	VLAN VLAN 2998			
VLAN Configuration	VLAN 2999			
Membership	VLAN 3000			
Port Setting	VLAN 3002			
Voice VLAN				1
MAC VLAN	Apply			
Surveillance VLAN				
• GVRP	VLAN Table			
MAC Address Table				
Spanning Tree	Showing All ~ entries	Showing 1 to	1 of 1 entries	Q
Discovery	VI AN Name Type VI AN Int	orfaco Stato		
DHCP	1 default Default En	abled		
Multicast				Eiret Previoue 4 Next Les
Routing	Edit Delete			First Previous 1 Next Las
Security	Luit Delete			
NCL .				
QoS				
Diagnostics				
Management				

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SWITCH		Save   Logout   Reboot   Debug
Status     Network     Port     VLAN     VLAN     Create VLAN     VLAN Configuration     Membership     Port Setting     Voice VLAN     Protocol VLAN     Protocol VLAN     MAC VLAN     Surveillance VLAN	VLAN » VLAN » Create VLAN Available VLAN Created VLAN VLAN 2996 VLAN 2996 VLAN 2997 VLAN 2997 VLAN 3000 VLAN 3002 VLAN 3002	
GVRP     MAC Address Table     Spanning Tree	VLAN Table Showing All -> entries Showing 1 to 1 of 1 entries	0
Discovery     DHCP     Multicaet	VLAN         Name         Type         VLAN Interface State           1         default         Default         Enabled	۹
<ul> <li>Routing</li> <li>Security</li> </ul>	Edit Delete	First Previous 1 Next Last
ACL     QoS     Diagnostics     Management		

# Created VLAN에 추가하려는 VLAN을 확인하고 Add버튼을 누르세요

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< > C 소주의요함 192.168.2.111/hom		
SWITCH		Save   Logout   Reboot   Debug
V Status Network VLAN VLAN VLAN Create VLAN VLAN Configuration Membership Port Setting Voice VLAN Vloice VLAN Protocol VLAN Voice VLAN Surveillance VLAN SURVEIlance VLAN GVRP	VLAN » VLAN » Create VLAN VLAN 2 VLAN 3 VLAN 1 VLAN 3001 VLAN 4 VLAN 5 VLAN 3001 VLAN 8 VLAN 9 VLAN 5 VLAN 7 VLAN 8 VLAN 9 VLAN 9 VLAN 7 VLAN 8 VLAN 9 VLAN 7 VLAN 7 VLAN 8 VLAN 9 VLAN 7 VLAN 7 VLAN 8 VLAN 7 VLAN 7 VLAN 8 VLAN 7 VLAN 7 VLAN 8 VLAN 7 VL	۲
<ul> <li>MAC Address Table</li> <li>Spanning Tree</li> </ul>	Showing All ventries Showing 1 to 2 of 2 entries	0
Discovery     DHCP     Multicast	VLAN         Name         Type         VLAN Interface State           1         default         Default         Enabled	
<ul> <li>Routing</li> <li>Security</li> <li>ACL</li> </ul>	Edit Delete	First Previous 1 Next Last
<ul> <li>✓ QoS</li> <li>✓ Diagnostics</li> <li>✓ Management</li> </ul>		

위와 같이 VLAN들이 VLAN Table에 보여집니다.

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SWITCH											Save	Log	jout	Rebo	ot   C	)ebug
Status     Network     Port     VI AN     Create VLAN     VLAN     Configuration	Port	>> VL Settin Entry	AN >>	Port e Mode Trunk	Settin PVID	Accept Frame Type	Ingress Filtering Enabled	Uplink Disabled	TPID 0x8100			C	2			
Voice VLAN Protocol VLAN		2 3 4	GE2 GE3 GE4 GE5	Trunk Trunk Trunk	1 1 1	All All All	Enabled Enabled Enabled Enabled	Disabled Disabled Disabled	0x8100 0x8100 0x8100 0x8100							
MAC VLAN     Surveillance VLAN     GVRP     MAC Address Table		6 7 8	GE6 GE7 GE8	Trunk Trunk Trunk	1 1 1	All All All	Enabled Enabled Enabled	Disabled Disabled Disabled	0x8100 0x8100 0x8100							
Spanning Tree     Discovery     DHCP     Multicast		9 10 11 12	GE9 GE10 GE11 GE12	Trunk Trunk Trunk Trunk	1 1 1 1	All All All All	Enabled Enabled Enabled Enabled	Disabled Disabled Disabled Disabled	0x8100 0x8100 0x8100 0x8100							
<ul> <li>Routing</li> <li>Security</li> <li>ACL</li> <li>QoS</li> </ul>		13 14 15	GE13 GE14 GE15 GE16	Trunk Trunk Trunk	1 1 1	All All All	Enabled Enabled Enabled Enabled	Disabled Disabled Disabled	0x8100 0x8100 0x8100 0x8100							
<ul> <li>Diagnostics</li> <li>Management</li> </ul>		17 18 19	GE10 GE17 GE18 GE19	Trunk Trunk Trunk	1 1 1	All All	Enabled Enabled Enabled	Disabled Disabled Disabled	0x8100 0x8100 0x8100 0x8100							
		20 21 22 23	GE20 GE21 GE22 GE23	Trunk Trunk Trunk Trunk	1 1 1	All All All	Enabled Enabled Enabled Enabled	Disabled Disabled Disabled Disabled	0x8100 0x8100 0x8100 0x8100							
		24 25 26	GE24 TE1 TE2	Trunk Trunk Trunk	1 1 1	All All All	Enabled Enabled Enabled	Disabled Disabled Disabled	0x8100 0x8100 0x8100							
		28 29 30	TE4 LAG1 LAG2	Trunk Trunk Trunk Trunk	1 1 1	All All All	Enabled Enabled Enabled Enabled	Disabled Disabled Disabled	0x8100 0x8100 0x8100 0x8100							
		31 32 33 34	LAG3 LAG4 LAG5	Trunk Trunk Trunk	1 1 1	All All All All	Enabled Enabled Enabled Enabled	Disabled Disabled Disabled	0x8100 0x8100 0x8100 0x8100							
		35 36 dit	LAG7 LAG8	Trunk Trunk	1	All	Enabled	Disabled Disabled	0x8100 0x8100							
	L.		J													— Į

특정 포트에 VLAN을 적용하려면 좌측 메뉴의 VLAN > VLAN > Port Setting을 클릭후 VLAN이 적용될 포트를 선택 후 Edit 버튼을 누르세요

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< > C △ 주의 요함 192.168.2.111/hc		
SWITCH		Save   Logout   Reboot   Debug
	VLAN >> VLAN >> Port Setting	
<ul> <li>✓ Status</li> <li>✓ Network</li> <li>✓ Port</li> <li>✓ Network</li> </ul>	Edit Port Setting	······
<ul> <li>VLAN</li> <li>Create VLAN</li> <li>VLAN Configuration</li> <li>Membership</li> <li>Port Setting</li> </ul>	Port GE1-GE2 Hybrid Mode Trunke	
Voice VLAN  Protocol VLAN MAC VLAN Surveillance VLAN GVRP	PVID         G001         (1 - 4094)           Accept Frame Type         Tag Only         Tag Only	
✓ MAC Address Table	Ingress Filtering	
Spanning Tree     Discovery     DHCP	Uplink Enable TPID 0x8100 *	
Vulticast Routing Security ACL QOS Diagnostics Management		

포트에 적용될 VLAN Mode를 Trunk 선택하고 PVID에 적용할 VLAN 번호를 입력하고 Apply 버튼을 클릭하세요.

SWITCH										
SWITCH										Save   Logout   Reboot
	VLA		VLAN )	) Port	Sett	ing				
itus										
twork	Por	t Set	ting Tab	le						
rt AN										0
		-								ч
Create VLAN		Entr	y Port	Mode	PVID	Accept Frame Type	Ingress Filtering	Uplink	TPID	
VLAN Configuration			1 GE1	Trunk	3001	All	Enabled	Disabled	0x8100	
Membership		3	2 GE2	Trunk	3001	All	Enabled	Disabled	0x8100	
Port Setting			3 GE3	Trunk	1	All	Enabled	Disabled	0x8100	
			4 GE4	Trunk	1	All	Enabled	Disabled	0x8100	
AC VLAN			5 GE5	Trunk	1	All	Enabled	Disabled	0x8100	
Surveillance VLAN		1	6 GE6	Trunk	1	All	Enabled	Disabled	0x8100	
SVRP			7 GE7	Trunk	1	All	Enabled	Disabled	0x8100	
C Address Table			B GE8	Trunk	1	All	Enabled	Disabled	0x8100	
anning Tree		1	9 GE9	Trunk	1	All	Enabled	Disabled	0x8100	
covery		1	0 GE10	Trunk	1	All	Enabled	Disabled	0x8100	
CP		1	1 GE11	Trunk	1	All	Enabled	Disabled	0x8100	
Iticast		1:	2 GE12	Trunk	1	All	Enabled	Disabled	0x8100	
uting		1	3 GE13	Trunk	1	All	Enabled	Disabled	0x8100	
curity		1.	4 GE14	Trunk	1	All	Enabled	Disabled	0x8100	
		1	5 GE15	Trunk	1	All	Enabled	Disabled	0x8100	
S		1	6 GE16	Trunk	1	All	Enabled	Disabled	0x8100	
ignosucs		1	7 GE17	Trunk	1	All	Enabled	Disabled	0x8100	
inagement		1	6 GE18	Trunk	1	All	Enabled	Disabled	0x8100	
		1	9 GE19	Trunk	1	All	Enabled	Disabled	0x8100	
		2	GE20	Trunk	1	All	Enabled	Disabled	0x8100	
		2	1 GE21	Trunk	1	All	Enabled	Disabled	0x8100	
		2	2 GE22	Trunk	1	All	Enabled	Disabled	0x8100	
		2	3 GE23	Trunk	1	All	Enabled	Disabled	0x8100	
		24	4 GE24	Trunk	1	All	Enabled	Disabled	0x8100	
		2	5 TE1	Trunk	1	All	Enabled	Disabled	0x8100	
		2	6 TE2	Trunk	1	All	Enabled	Disabled	0x8100	
		2	7 TE3	Trunk	1	All	Enabled	Disabled	0x8100	
		2	B TE4	Trunk	1	All	Enabled	Disabled	0x8100	
		2	9 LAG1	Trunk	1	All	Enabled	Disabled	0x8100	
		3	LAG2	Trunk	1	All	Enabled	Disabled	0x8100	
		3	1 LAG3	Trunk	1	All	Enabled	Disabled	0x8100	
		3	2 LAG4	Trunk	1	All	Enabled	Disabled	0x8100	
		3	3 LAG5	Trunk	1	All	Enabled	Disabled	0x8100	
		3	4 LAG6	Trunk	1	All	Enabled	Disabled	0x8100	
		3	5 1467	Trunk	1	All	Enabled	Disabled	0x8100	
		5.	-			2007				

위와 같이 특정 포트에 해당 VLAN Mode로 VLAN이 적용되어집니다.

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SWITCH				Save   Logout   Reboot   Debug
	Status >> System In	formation		
- Status				<u>^</u>
System Information Logging Message Port Link Aggregation MAC Address Table		1 3 5 7 9 11 13 15 17 19 21 23 2 4 6 8 10 12 14 16 18 20 22 24	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
<ul> <li>Network</li> </ul>				
✓ Port			]	
<ul> <li>MAC Address Table</li> </ul>	System Information	Edit	100%	CPU
<ul> <li>Spanning Tree</li> </ul>	Model	U-F2028H	80%	
<ul> <li>Discovery</li> </ul>	System Name	Switch	70%	
✓ DHCP	System Location	default	60%	
✓ Multicast	System Contact	default	50%	
<ul> <li>Routing</li> <li>Security</li> </ul>	Serial Number	219662409230013	40%	
<ul> <li>✓ ACL</li> </ul>	MAC Address	84-69-02-00-95-63	20%	
✓ QoS	IDvd Address	102 169 2 111	10%	
<ul> <li>Diagnostics</li> </ul>	IPv4 Address	192.100.2.111 fo00-9669-o9ff-fo00-9662/64	0%	
<ul> <li>Management</li> </ul>	Sustem OID	1 2 6 1 4 1 27202 1 2	Time	0
	System Untime	0. doy: 0. br: 0. min. and 11. cos		
	System Optime			
	Current time	2023-01-01 08:08:57 01 C+8	100%	MEM
	Loader Version	1.0.0.2	90%	
	Loader Date	May 16 2023 - 00:49:35	70%	
	Firmware Version	1.1.1.20	60%	
	Firmware Date	May 16 2023 - 00:51:26	50%	
			40%	
	Telnet	Disabled	30%	

상단 메뉴의 Save 클릭 후 Save 버튼을 누르면 변경된 내용으로 스위치에 저장됩니다.

2. RSTP 설정

특정 포트에 대하여 ERPS와 RSTP는 함께 사용할 수 없습니다.

RSTP 설정을 위해서는 좌측 메뉴의 Spanning Tree > Property을 선택하세요

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SWITCH			Save   Logout   Reboot   Debug
<ul> <li>Status</li> <li>Network</li> <li>Port</li> <li>VLAN</li> <li>VLAN</li> <li>Poperty</li> <li>Port Setting</li> <li>Statistics</li> <li>Discovery</li> <li>DHCP</li> <li>Millicast</li> <li>Routing</li> <li>Security</li> <li>ACL</li> <li>OoS</li> <li>Diagnostics</li> <li>Management</li> </ul>	Spanning Tree >> Proper State Operation Mode Path Cost BPDU Handling Priority Helio Time Max Age Forward Delay Tx Hold Count Region Name Revision Max Hop Operational Status Bridge identifiter Designated Root Bridge Root Port Root Port Copology Change Count Last Topology Change	rty	Save       Logout       Reboot       Debug

이 스위치는 RSTP 동작이 기본으로 활성화되어 있지 않습니다.

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SWITCH			
			Save   Logout   Reboot   Debu
	Spanning Tree >> Prope	erty	
✓ Network	State	Enable	
✤ Port	Juic	STP	
✓ VLAN	Operation Mode	RSTP	
<ul> <li>MAC Address Table</li> </ul>		O MSTP	
✓ Spanning Tree	Path Cost	Long	
Property		) Short	
Port Setting MST Instance	BPDU Handling	C Filtering	
MST Port Setting	L	• Flooding	
Statistics	Priority	32768 (0 - 61440, default 32768)	
<ul> <li>Discovery</li> </ul>	Filolity	(0 = 0 1440, delault 02/00)	
✓ DHCP	Hello Time	2 Sec (1 - 10, default 2)	
✓ Multicast	Max Age	20 Sec (6 - 40, default 20)	
<ul> <li>✓ Routing</li> </ul>	Espuerd Delau	4E Con (d. 20. dofault d5)	
<ul> <li>✓ Security</li> </ul>	Forward Delay	15 Sec (4 - 30, deladit 15)	
✓ ACL	Tx Hold Count	6 (1 - 10, default 6)	
Diagnostics     Monogement	Region Name	84:68:C8:00:8E:63	
• Management	Revision	0 (0 - 65535, default 0)	
	Мах Нор	20 (1 - 40, default 20)	
	Operational Statue		
	Pridee Identifiter	22760 24.60.00.00.00.00	
	Bridge identiliter	32706-04.00.00.00.00	
	Designated Root Bridge	0-00:00:00:00:00	
	Root Port	N/A	
	Root Path Cost	0	
	Topology Change Count	0	
	Last Topology Change	0D/0H/0M/0S	

ERPS 사용시 RSTP를 함께 사용하지 않을 경우 RSTP의 State의 Enable을 체크하지 마십 시오.

만일 ERPS와 다른 포트에서 RSTP를 사용하기 위해서는 State가 반드시 Enable로 체크되어 있어야 합니다.

또한 RSTP로 동작시키기 위해서는 Operation Mode가 RSTP로 선택되어 있어야 하며, STP 또는 MSTP로 동작시키도록 설정을 할수 있습니다.

이 스위치의 RSTP 우선순위를 조정하기 위해서는 Priority값을 변경합니다. 기본값은 32768입니다.

Apply 버튼을 눌러 RSTP 기본 동작을 활성화시킵니다

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SWITCH											Save	Logout	Reboot	Debua
Chathan	Spanni	ng T	ree >>	Port S	Setting									
<ul> <li>Status</li> <li>Network</li> <li>Port</li> <li>VLAN</li> <li>Autores to be</li> </ul>	Port S	Settin	g Tabl	e							1	1	1	
Spanning Target		Entry	Port	State	Path Cost	Priority	BPDU Filter	BPDU Guard	Operational Edge	Operational Point-to-Point	Port Role	Port State	Designated	d Bridg
Pronothe		1	GE1	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
Port Setting		2	GE2	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
MST Instance		3	GE3	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
MST Port Setting		4	GE4	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
Statistics		5	GE5	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
• DHCP		6	GE6	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00:00
<ul> <li>Multicast</li> </ul>		/	GE/	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00:00
✓ Routing		8	GE8	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00:00
✓ Security		10	GE9	Enabled	20000	120	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0.00.00.00.00	.00.00
✓ ACL		10	GEIU	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0.00:00:00:00	.00.00
✓ QoS		12	GE12	Enabled	20000	120	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0.00.00.00.00	00.00
<ul> <li>Diagnostics</li> </ul>		12	OE 12	Enabled	20000	120	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0.00:00:00:00	.00.00
<ul> <li>Management</li> </ul>		14	GE14	Enabled	20000	120	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0.00:00:00:00	00.00
		15	GE15	Enabled	20000	120	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00:00
		16	GE16	Enabled	20000	120	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00:00
		17	GE17	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00:00
		18	GE18	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00.00
		19	GE19	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00:00
		20	GE20	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00.00
		21	GE21	Enabled	20000	128	Disabled	Disabled	Disabled	Enabled	Alternate	Discarding	8192-84:68:C	8:00:72
		22	GE22	Enabled	20000	128	Disabled	Disabled	Disabled	Enabled	Root	Forwarding	4096-00:E0:C	0:35:01
		23	GE23	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		24	GE24	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		25	TE1	Enabled	2000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		26	TE2	Enabled	2000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	00:00
		27	TE3	Enabled	2000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		28	TE4	Enabled	2000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		29	LAG1	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		30	LAG2	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		31	LAG3	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		32	LAG4	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		33	LAG5	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		34	LAG6	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		35	LAG7	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
		36	LAG8	Enabled	20000	128	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	0-00:00:00:00	:00:00
	E	dit	Pro	tocol Migra	tion Check									
	<	_									-			,

특정 포트에 RSTP가 적용되게 하기 위해서는 좌측 메뉴의 Spanning Tree > Port Setting을 선택하고 RSTP가 적용될 포트에 대해 선택하고 Edit 버튼을 클릭하세요

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SWITCH		Save   Logout   Reboot   Debug
Spanning Tree >> Port Se	tting	
Status     Network     Port Edit Port Setting		^
VLAN	7	
MAC Address Table     Port	GE1-GE2	
Property State	Enable	
Port Setting		
MST Instance Path Cost	0 (0 - 20000000) (0 = Auto)	
Statistics Priority	128 ~	
<ul> <li>→ Discovery</li> <li>→ DHCP</li> </ul>	<ul> <li>Auto</li> <li>Enable</li> <li>Ø Disable</li> </ul>	
Multicast BPDU Filter	Enable	
Routing     BPDU Guard	Enable	
Security     ACL     Point-to-Point     QoS	Auto     Enable     Disable	
Diagnostics  Management  Port State	Disabled	
Management     Designated Bridge	0.00.00.00.00.00	
Designated Bridge	128-1	
Designated Cost	20000	
Operational Edge	False	
Operational Point-to-Point	False	
Close		

해당 포트가 RSTP로 동작하게 하려면 State를 Enable을 체크하여 선택하고 Apply 버튼을 클릭하세요

S U-F2028H				Q _ □ X
< > C & 주의 5	요함 192.168.2.111/home.html			@ @ ⊘ ⊂ ≡ 8 @
SWITCH				Save   Logout   Reboot   Debug
<ul> <li>Status</li> <li>System Information</li> <li>Logging Message</li> <li>Port</li> <li>Link Aggregation</li> <li>MAC Address Table</li> </ul>	Status >> System Ir	1         3         5         7         9         11         13         15         17         19         21         23           2         4         6         8         10         12         14         16         18         20         22         24	8 8 8 8 8 25 26 27 28	î
Vetwork Port VLAN Spanning Tree Discovery DICP Multicast Routing Value	System Information Model System Name System Location System Contact	Edit U-F2028H Switch default default 210662400230013	100% 90% 80% 70% 60% 50% 40%	
<ul> <li>Security</li> <li>ACL</li> <li>QoS</li> <li>Diagnostics</li> <li>Management</li> </ul>	MAC Address IPv4 Address IPv6 Address System OID System Uptime Current Time	84:68:C8:00:8E:63 192:168:2.111 fe80:8668:c8ffe00:8e63/64 1.3.6.1.4.1.27282.1.3 0 day, 0 hr, 9 min and 11 sec 2023-01-01 08:06:57 UTC+8	30% 20% 10% 0% 0% 05:00 08:06:00 08:07:00 08:08:00 Time	
	Loader Version Loader Date Firmware Version Firmware Date Teinet	1.0.0.2 May 16 2023 - 00:49:35 1.1.1.2.0 May 16 2023 - 00:51:26 Disabled	90% MEM 80% 60% 60% 60% 40% 30%	v

상단 메뉴의 Save 클릭 후 Save 버튼을 누르면 변경된 내용으로 스위치에 저장됩니다.

#### 3. ERPS 설정



ERPS 설정을 위해서는 좌측 메뉴의 ERPS > Property를 클릭하세요

Erps Status를 Enable로 선택하고 Apply를 클릭합니다.

좌측 메뉴의 ERPS > ERPS Instance를 선택합니다.

28HPH +				
C 쇼 후의 표명 192.168.100.126/home			<i>م</i>	
SWITCH			Save   Logout	Reboot   Del
	ERPS >>> ERPS	nstance		
Status				
letwork	Erps Instance	0	(0 - 15)	
Port	· · ·			
POE Setting	Apply			
/LAN				
AC Address Table	ERPS Instance	e Setting		
Property				
ERPS Instance	Instance F	Ring Status M	I Control Vlan WTR Time Guard Time Work Mode Ring ID Ring Type	Protected Instance
oopback	Ins0			
Discovery	Ins1			
HCP	Ins2			
fulticast	Ins3			
Routing	Ins4			
ecurity	Ins5			
10S				
lanagement	Ins9			
	Ins10			
	Ins15			
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2847H 준 스 주의 도원 192.168.100 126/home	Edit	Delete	Ø	© ⊚ ⊙ ⊳ ⊖ ≡ 4
ঞল। ৫ এ কথ এরা 192168100126/home SWITCH	Edit	Delete	ی Save   Logout	⊂ ≅ ه 0 ⊳ ए ≡ ، Reboot   De
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8년년 (* 2월 192168.100.120/home SWITCH tatus letwork ort	ERPS >> ERPS I Erps Instance	Delete	۵ Save   Logout   (0 - 15)	৭ ৫এ০>♡≡৶ Reboot   De
arear ● c △ ↑ 21 221 192 168 100 120/home SWITCH tatus letwork ort OE Setting	ERPS >> ERPS I Erps Instance	Delete	.∞ Save   Logout   (0 - 15)	৭ ৫ এ 0 > ৩ ≌ ३ Reboot   Del
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and the second	ERPS >> ERPS I Erps Instance (Apply) ERPS Instance (Ins0 Ins1 Ins2 Ins3 Ins3 Ins3 Ins5 Ins6 Ins7 Ins8 Ins9 Ins10	Delete	Save         Logout           (0-15)	Q @ @ 0 ▷ ♡ = 2 Reboot   De
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BRPU       Image: Control of the second	ERPS >> ERPS I Erps Instance Apply ERPS Instance Ins0 Ins1 Ins2 Ins3 Ins4 Ins6 Ins7 Ins8 Ins9 Ins10 Ins11 Ins11 Ins12	Delete Delete	Save         Logout           (0 - 15)	Reboot       I       Del
RPS       Property         Property       RPS         Property       RPS         Property       RPS         Property       CCPS         COULD       Status         Status       Status         Status       Status         Could ress       Table         panning Tree       RPS         Property       CCPS         Status       Status         Status       Status <t< td=""><td>ERPS &gt;&gt; ERPS I Erps Instance Apply ERPS Instance Ins0 Ins1 Ins2 Ins3 Ins4 Ins5 Ins5 Ins5 Ins5 Ins5 Ins5 Ins7 Ins8 Ins9 Ins10 Ins11 Ins12 Ins13</td><td>Delete</td><td>Control Vian         WTR Time         Guard Time         Work Mode         Ring ID         Ring Type           (0 - 15)        </td><td>Q @</td></t<>	ERPS >> ERPS I Erps Instance Apply ERPS Instance Ins0 Ins1 Ins2 Ins3 Ins4 Ins5 Ins5 Ins5 Ins5 Ins5 Ins5 Ins7 Ins8 Ins9 Ins10 Ins11 Ins12 Ins13	Delete	Control Vian         WTR Time         Guard Time         Work Mode         Ring ID         Ring Type           (0 - 15)	Q @
RPS       POP R 20       192 188 100 126/hores         SWITCH       SWITCH         Atatus       Status         Banning Tree       Status         Banning Tree       Status         Banace	ERPS >> ERPS I Erps Instance (Apply) ERPS Instance (Apply) ERPS Instance (Ins0 Ins1 Ins2 Ins3 Ins4 Ins5 Ins5 Ins5 Ins5 Ins5 Ins1 Ins1 Ins5 Ins1	Delete	Save         Logout           (0 - 15)           I         Control Vian         WTR Time         Guard Time         Work Mode         Ring ID         Ring Type	Q @

## ERPS Instance를 0으로 설정하고 Apply를 클릭합니다.

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SWITCH									Save	Logout	Reboot	Debug
	ERPS	>> ERPS	Instance									
<ul> <li>Status</li> <li>Network</li> <li>Port</li> <li>POE Setting</li> <li>VLAN</li> <li>MAC Address Table</li> <li>Spanning Tree</li> <li>ERPS</li> </ul>	Er Z	ps Instance Apply PS Instan	1		(0 - 1	5)						
Property		Instance	Ring Status	Mel	Control Vian	WTR Time	Guard Time	Work Mode	Ring ID	Ring Type	Protected In	stance Po
		lns0	Disabled	0	0	5	500	revertive	1	0		N/
<ul> <li>✓ Discovery</li> </ul>		Ins1										
✓ DHCP		Ins2										
✓ Multicast		Ins3										
✓ Routing		Ins4										
✓ Security		Ins5										
✓ ACL		Ins6										
✓ QoS		Ins7										
<ul> <li>Diagnostics</li> </ul>		Ins8										
✓ Management		Ins9										
		Ins10										
		Ins11										
		Ins12										
		Ins13										
		Ins14										
		Ins15	<del></del>									
		Edit	Delete									

## 설정했던 Instance ID 0에 대해 체크 박스를 선택하고 Edit 버튼을 클릭합니다

### 3-1 Owner 설정

<ul> <li>C A C A C A C A C A C A C A C A C A C A</li></ul>
SWITCH Save Logout Reboot Debut Status • Status • Status • POE Secting • POE Secting • VMC Address Table • Sepred Kersens • Lopokatik • Descentry • Lopokatik • Second Value • Met George Instance • Reventive • Nor Reventive • Reventive <
Status     POE Setting     VLAN     MMC Address Table     Spanning Tree     Sperify     ERPS     Instance     Valid range is 0.7)     Protected Instance     Valid range is 0.7)     Protected Instance     Valid range is 0.15)     Societ     Societ     Valid range is 0.15)     Valid range is 1.4004)     Valid range is 1.200     Valid
Port Role Port Role

Ring Status를 Enable로 선택합니다.

Control VLAN을 3001로 설정합니다.

Ring ID를 1로 설정하고 Ring Type을 0으로 설정합니다.

Port0과 Port1을 각각 ERPS로 설정하고자 하는 포트 번호로 선택합니다.

Port0 Role을 Onwer로 설정하고 Port1 Role을 Normal로 설정합니다

Apply 버튼을 클릭합니다.

3-2. Normal 설정

O U-F9028HPH +					
< > C 쇼주의요함 192.10	68.100.126/home.html				9 2 3 3 0 9 9 9
SWITCH					
	ERPS >> ERPS Instan	ce			Save   Logout   Reboot   Debug
Status     Network     Port     DOC 0.15-0	Ring Instane Config				
<ul> <li>VLAN</li> <li>MAC Address Table</li> </ul>	Ins	0 O Disable			
<ul> <li>Spanning Tree</li> <li>ERPS</li> <li>Property</li> </ul>	Ring Status Mel		(Valid range is 0-7)		
ERPS Instance • Loopback • Discovery	Protected Instance Control Vlan	0	(Valid range is 0-15) (Valid range is 1-4094)		
<ul> <li>DHCP</li> <li>Multicast</li> <li>Paution</li> </ul>	WTR Time Guard Time	5	(Valid range is 1-12 Min Default is 5 Min)		
<ul> <li>Roduing</li> <li>Security</li> <li>ACL</li> </ul>	Work Mode	Revertive     Non_revertive			
<ul> <li>QoS</li> <li>Diagnostics</li> <li>Management</li> </ul>	Ring ID Ring Type		(Valid range is 1-239) (0-master ring, 1-sub ring)	-	
* monogemen	Porto	GE1			
	Port0 Role	<ul> <li>owner</li> <li>neighbour</li> <li>next-neighbour</li> </ul>			
	Port1	GE2	2		
	Port1 Role	<ul> <li>owner</li> <li>neighbour</li> <li>next-neighbour</li> </ul>			
	(Apply) Close			_	

Ring Status를 Enable로 선택합니다.

Control VLAN을 3001로 설정합니다.

Ring ID를 1로 설정하고 Ring Type을 0으로 설정합니다.

Port0과 Port1을 각각 ERPS로 설정하고자 하는 포트 번호로 선택합니다.

Port0 Role과 Port1 Role을 모두 Normal로 설정합니다

Apply 버튼을 클릭합니다.

O U-F2028H +				Q _ □ X
< > C 🛆 주의 요함 19	2.168.2.111/home.html			
SWITCH		( and in the second		Save   Logout   Reboot   Debug
Status     System Information     Logging Message     Port     Link Aggregation     MAC Address Table     Network	Status // System Ir	1 3 5 7 9 11 13 15 17 19 21 23 2 4 6 8 10 12 14 16 18 20 22 24	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Î
<ul> <li>✓ Port</li> <li>✓ VLAN</li> <li>✓ MAC Address Table</li> </ul>	System Information	Edit	100%	
<ul> <li>Spanning Tree</li> <li>Discovery</li> <li>DHCP</li> </ul>	Model System Name System Location	U-F2028H Switch default	80% 70%	
<ul> <li>✓ Multicast</li> <li>✓ Routing</li> <li>✓ Security</li> </ul>	System Contact Serial Number	default 219662409230013	50% 40%	
<ul> <li>✓ ACL</li> <li>✓ QoS</li> <li>■ Diagnostics</li> </ul>	MAC Address IPv4 Address	84:68:C8:00:8E:63 192.168.2.111	20%	
<ul> <li>Management</li> </ul>	IPv6 Address System OID	fe80::8668:c8ff.fe00:8e63/64 1.3.6.1.4.1.27282.1.3	0% 08:05:00 08:06:00 08:07:00 08:08:00 Time	-
	System Uptime Current Time	0 day, 0 hr, 9 min and 11 sec 2023-01-01 08:08:57 UTC+8	100%	1
	Loader Version Loader Date	1.0.0.2 May 16 2023 - 00:49:35	80%	
	Firmware Version	May 16 2023 - 00:51:26	50% 40%	
	Telnet	Disabled	30%	v

상단 메뉴의 Save 클릭 후 Save 버튼을 누르면 변경된 내용으로 스위치에 저장됩니다.