## 1. IP 설정

기본 IP는 192.168.10.12입니다.

🚴 Web Management 🔹 +	Q _ 🗆 X
< > C & 주의 요참 192.168.10.12	© © ≥ ⊂ ≈ 8 Ø
U-I-F5012H Management	PA _ogin
User ID Password Login	Cancel

기본 사용자 ID는 admin이고 Password는 없습니다.

즉, 사용자 ID에 admin만 입력 후 Login 버튼을 누르시면 됩니다.

IP 설정을 위해서는 상위 메뉴의 System > Management를 선택하시고 좌측의 Network Interface > IPv4 Network Configuration을 클릭하세요

Switch Web Managment +			Q _ 🗆 X
< > C 🛆 주의 요함 192.168.10.	0.12/login.htm#		© © ≥ ♡ ≈ 8 😡
	U-I-F5012HPA		
Cyster Switching Routing	g QoS Security Monitoring	Maintenance Save O Logout	
Management Deviceview Services	DNS POE SNMP LLDP ISD	P Timer Schedule	
Management	4 Network Configuration - Inbound	Apply a Refresh	
System Information	lanagement VLAN ID	1	
Hardware Information			
= Device Information CI	urrent Network Configuration Protocol	None     O     Bootp     O     DHCP	
Switch Statistics	PAddress	192.168.10.12	
System CPU Status	ubnet Mask	255.255.255.0	
IPv4 Network Configuration	efault Gateway	0.0.0	
IPv6 Network Neighbor Bi	urned In MAC Address	C8:39:0D:03:B5:70	
Time + Lo	ocally Administered MAC Address	00:00:00:00:00:00	
SDM Template Preference M	IAC Address Type	Burned In     O Locally Administered	
D	HCP Vendor Class Identifier	Disable     Imable     Enable	
D	HCP Vendor Class Identifier String		
In	nterface Status	Up	

장비 IP를 수정하기 위해서는 IP Address와 Subnet Mask를 입력하세요. 게이트웨이 설정

이 필요할 경우 Default Gateway를 입력하세요.

Switch Web Managment +			Q _ 🗆 X
< > C 🛆 주의 요함 192.1	68.10.12/login.htm#		0 8 ≡ ♡ < 0 @ 9
	U-I-F5012HPA		
🏠 System Switching Ro	uting QoS Security Monitoring	Maintenance Save & Logout	
Management Deviceview Servie	ces DNS POE SNMP LLDP IS	DP Timer Schedule	
Management	IPv4 Network Configuration - Inbound	Apple Refresh	
<ul> <li>System Information</li> </ul>	Management VI AN ID	1	
Hardware Information	Wanagement VLAW ID		
Device Information	Current Network Configuration Protocol	None     O Bootp     O DHCP	
= Switch Statistics	IP Address	192.168.40.11	
System CPU Status	Subnet Mask	255 255 255 0	
Network Interface -			
IPv4 Network Configuration	Default Gateway	0.0.0.0	
IPv6 Network Configuration	Burned In MAC Address	C8:39:0D:03:B5:70	
IPv6 Network Neighbor			
Time >	Locally Administered MAC Address	00:00:00:00:00	
= SDM Template Preference	MAC Address Type	Burned In     O Locally Administered	
	DHCP Vendor Class Identifier	O Disable I Enable	
	DHCP Vendor Class Identifier String		
	Interface Status	Up	

위 예에서는 IP를 192.168.40.11로 설정하고 Subnet Mask를 255.255.255.0으로 설정하였 습니다.

IP 정보 등을 입력 후 Apply를 누르면 스위치의 IP가 변경됩니다

변경된 IP 주소를 웹 브라우저에서 다시 입력하세요

🐫 Web Management 🔶				۹	□ ×
< > C				⊳ ♡ ≡ 8	Ø 📘
	U-I-I Manag	F5012HPA ement Login			
	User ID Password	Login Cancel			

사용자 ID와 Password를 입력하여 로그인 하세요

Suitch Management				0 [
Switch web Managinetic +				× _ D
< > C 🛆 주의 요함 192.16	8.40.11/login.htm#			
	U-I-F5012HPA			
🏠 System Switching Ro	uting QoS Security Monitoring	Maintenance	Save & Logout	
Management Deviceview Service	es DNS POE SNMP LLDP IS	DP Timer Schedule		
Management	System Information - Switch Status	🖌 Apply 🖉 🦨 Rese	et Hostname 🔍 🔉 Refresh	
System Information	Product Name	U-I-F5012HPA		
Hardware Information	System Name		(Max:255 characters)	
= Device Information	System Location		(Max:255 characters)	
= Switch Statistics	System Contact		(Max-255 characters)	
System CPU Status	bjocin condet	Devites		
Network Interface	Hostname(system prompt)	Routing	(Max:64 characters)	
Time +		auto-generation Pretix switch-	(Max:60 characters)	
= SDM Template Preference	Login Timeout	5 (1 to 60 minutes)		
	Management VLAN ID	1		
	IPv4 Network Interface	192.168.40.11/255.255.255.0		
	IPv6 Network Interface	fe80::ca39:dff:fe03:b570		
	System Mac Address	C8:39:0D:03:B5:70		
	L2 MAC Address	C8:39:0D:03:B5:72		
	L3 MAC Address	C8:39:0D:03:B5:73		
	System SNMP OID	1.3.6.1.4.1.4413		
	System Date	01/07/2000 02:00:42 (UTC+0:00)		
	System Up Time	13 minutes, 54 seconds		

Save 버튼을 누르면 변경된 내용으로 스위치에 저장됩니다.

2. 기본 Password 변경

🌺 Switch Web Managm × 🕂						Q _ □ ×
< > C 🛆 주의 요함 192.16	8.40.11/login.htm#					E @ Ø > ♡ ≡ 8 Ø
	U-I-F501	2HPA				
🏠 System Switching Rou	iting QoS Se	curity Monitoring	Maintenance		🕜 Save එ Logout	
Mgmt Security Access Denial of	Service Port Aut	hentication Traffic Co	ntrol Control A	CL		
Mgmt_Security	User Management	- Manage Users			- Delete 🔉 🙃 Refresh	
	User Name	Access Mode	Lockout Status	Password Aging	Password Expiration Date	
Create New User User Password Configuration	admin	READ_WRITE	False			
= Enable Password						
= Line Password						
RADIUS +						
TACACS+						
Authentication List						
= Login Sessions						
비미버승르 벼겨청	나기 의체	서느 사의	메느이	Socurity	Mamt Socur	

비밀번호를 변경하기 위해서는 상위 메뉴의 Security > Mgmt Security를 누르고 좌측의 Local\_User > User Management를 클릭하세요

변경하고자 하는 계정(admin)을 클릭하세요

💄 Switch Web Managment 🛛 🕂						α_ 🗆 Χ
< > C	92.168.40.11/login.htm#				K @ @ >	♡ ≡ 8 0
· 비밀번호 관리자에 "192.168.4	40.11"의 비밀번호를 저장하시겠습니까					저장 안함 ×
	U-I-E5012HPA					
langle System Switching	Routing QoS Security	Monitoring Maintenance	🖉 Sav	e o'Logout		
Mgmt Security Access Der	nial of Service Port Authentication	n Traffic Control Control ACL				
Mgmt_Security						
Local_User	User Management - Enter Cur	ent User Old Password				
User Management	User Name	admin				
Create New User	Old Password					
Enable Password						
= Line Password		✓ Verify ★ Cancel				
RADIUS	•					
TACAC S+	э.					
Authentication List						
= Login Sessions						

Old Password에 기존 비밀번호(기본은 없기 때문에 Old Password를 클릭 후 모든 내용을 지우면 됩니다)를 입력하고 Verify 버튼을 누르세요.

Old Password에 입력한 내용과 다르게 \*(별표)들이 나타나는 것은 보안을 위한 표현 방법 이기 때문에 Verify 버튼으로 다음 페이지로 넘어가면 문제 없습니다.

Switch Web Managment +				Q _ □ X
< > C 🛆 주의 요함 192.1	68.40.11/login.htm#			ଝ๏๏⊳⊳⊂≡ Ⴧ �
이 비밀번호 관리자에 "192.168.40.11	"의 비밀번호를 저장하시겠습니까			저장 안함 ×
	U-I-F5012HPA			
🏠 System Switching Ro	outing QoS <mark>Security</mark>	Monitoring Maintenance	ව Save එ Logout	
Mgmt Security Access Denial of	of Service Port Authentication	Traffic Control Control ACL	$\bigcirc$	
Mgmt_Security	User Management - Change	User Password	+ Apply @ Refresh	
Local_User -	User Name	admin		
Create New User	Status	No configured		
User Password Configuration	Clear Password			
Enable Password	Access Mode	O READ_ONLY	E	
Line Password	Password	()	Not allowed characters "?	
RADIUS				
TACACS+	Commin Password			
Authentication List				
Login Sessions				

Password와 Confirm Password에 동일한 비밀번호를 입력 후 Apply 버튼을 누르세요

여기서도 Password와 Confirm Password를 동일하게 입력했을 경우 입력한 비밀번호와 다 르게 \*(별표)가 나타나는 것 역시 보안과정의 표현이므로 상관없습니다.

다만, Password와 Confirm Password가 다르면 다음과 같이 오류 메시지가 발생합니다.

또한 비밀번호는 기본 설정으로 최소 8자 이상을 입력해야 합니다.



사용자 비밀번호가 정상적으로 변경되었을 경우 자동 로그아웃되여 로그인 페이지로 돌아갑니다.



변경된 사용자 계정과 비밀번호를 입력 후 Login 버튼을 클릭하세요

Switch Web Managment +				Q _ []
< > C 🛆 주의 요함 192.	168.40.11/login.htm#			@ @ ≥ ♡ ≡ 8 @
	U-I-F5012HPA			
🏠 System Switching Re	outing QoS Security Monitoring	g Maintenance	Save & Logout	
Management Deviceview Serv	rices DNS POE SNMP LLDP I	SDP Timer Schedule		
Management	System Information - Switch Status	Apply	Reset Hostname	
System Information	Product Name			
Hardware Information	Sustam Nama		(Hour ORE abarratern)	
= Device Information	System Name		(Max.235 Characters)	
= Switch Statistics	System Location		(Max:255 characters)	
System CPU Status	System Contact		(Max:255 characters)	
Network Interface	Hostname/system prompt)	Routing	(Max:64 characters)	
Time	nostianie(system prompt)	auto-generation Prefix switch-	(Max:60 characters)	
= SDM Template Preference	Login Timeout	5 (1 to 6	0 minutes)	
- John remplate Preference	Management VLAN ID	1		
	IPv4 Network Interface	192, 168, 40, 11/255, 255, 255, 0		
	IDv6 Network Interface	fe90::ca30:dff.fe03:b570		
		00.00.00.00.00.00		
	System Mac Address	C8:39:0D:03:B5:70		
	L2 MAC Address	C8:39:0D:03:B5:72		
	L3 MAC Address	C8:39:0D:03:B5:73		
	System SNMP OID	1.3.6.1.4.1.4413		
	System Date	01/07/2000 02:00:42 (UTC+0:00)		
	System Up Time	13 minutes, 54 seconds		

Save 버튼을 누르면 변경된 내용으로 스위치에 저장됩니다.

3. VLAN 설정

스위치에 VLAN 설정을 하기 위해서는 상단의 Switching > VLANs를 클릭하고 좌측의 Basic > VLAN Configuration을 클릭하세요

Switch Web Managment +		Q _ □ X							
< > C △ 주의 요함 1	192.168.40.11/login.htm#	\$ \$ \$ \$ \$ \$ \$ \$							
	U-I-F5012HPA								
System Switching	Routing QoS Security Monitoring Maintenance @Save OLogout								
Ports Mgmt LAG VLANS	AddressTable STP Multicast MVR Auto-VoIP UDLD Loop Protect ERPS								
VLAN	VLAN Configuration - VLAN Reset								
Basic	Reset Configuration								
Advanced	VLAN Configuration - Internal VLAN Configuration 2								
Protocol VLANs	Internal VLAN Allocation Base 4093	Internal VLAN Allocation Base 4093							
802.1Q TUNNELING	Internal VLAN Allocation Policy     O Descending     O Ascending								
= Voice VLAN Configuration	VI AN Configuration VI AN Configuration								
	7 VLAN Cominguration - VENIC Cominguration 7 VLAN ID (likes: 2,5.10) VLAN Name/Max: 64 characters) VLAN Type Make Static								
	Image: Constraint of the second se								

추가하려는 VLAN을 VLAN ID 항목에 ,(콤마)로 분리하여 입력하고 Add버튼을 누르세요

Switch Web Managment +					<u>с                                    </u>
< > C 🛆 주의 요함	2.168.40.11/login.htm#				© @ © > ♡ ≡ 8 Ø
	U-I-F5012HPA				
A System Switching	Routing QoS Security Monitoring I	Maintenance	۲	Save & Logout	
Ports Mgmt LAG VLANs	AddressTable STP Multicast MVR Auto	-VoIP UDLD Loop Protect ERPS			
VLAN	VLAN Configuration - VLAN Reset	+ Add _ Dek	🖌 Apply	⇔ Refresh	
Basic	Reset Configuration	]			
Advanced	VLAN Configuration - Internal VLAN Configuration	ation		?	
Protocol VLANs	Internal VLAN Allocation Base	093			
802.1Q TUNNELING	Internal VLAN Allocation Policy	Descending O Ascending			
Voice VLAN Configuration					
	VLAN Configuration - VLAN Configuration			?	
	VLAN ID (likes: 2, 5-10) VLA	N Name(Max: 64 characters)	VLAN Type	Make Static	
	10,20,30			~	
	1 defau	lt	Default	Disable	

좌측 메뉴의 VLAN > Advanced Port PVID Configuration을 클릭후 VLAN이 적용될 포트의 모드와 VLAN 값을 선택하고 Apply 버튼을 누르세요

· · · · · · · · · · · · · · · · · · ·	169 40	11 dogio htm#			• = m < g & n
	2.100.40.	n/iogin.nun#			
		U-I-F5012	2HPA		
System Switching I	Routing	QoS Se	curity Monitoring Maint	enance 🖉 Save 🕁 Logout	
Ports Mgmt LAG VLANs	Address	Table STP	Multicast MVR Auto-VolP	UDLD Loop Protect ERPS	
/LAN	Por	PVID Configur	ration Access Mode	Apply a Refresh	
Basic		r vib conigu	adoli - Access mode	?	
dvanced		Interface	Switchport Mode	Access Mode VLAN	
VLAN Configuration		0/5	General 🛩	1	
TROIT PVID Configuration		0/1		1	
VLAN Trunking Configuration		0/2	Access	1	
Port VLAN Configuration		0/3	General	1	
VLAN Membership		0/4	Trunk	1	
Port Default Priority		0/5	General	1	
VLAN Status		0/6	General	1	
Port VLAN Status		0/7	General	1	
GARP Switch Configuration		0/8	General	1	
GARP Port Configuration		0/9	General	1	
Protocol VLANs		0/10	General	1	
802.10 TUNNELING		0/11	General	1	
Value MAN Configuration		0/12	General	1	
voice vLAN Configuration		LAG 1	General	1	
		LAG 2	General	1	
		LAG 3	General	1	

Switch Web Managment +							(	۹ _	>
< > C & 주의 요함 192	2.168.40	0.11/login.htm#				0	⊳ c		
		U-I-F501	2HPA						
🏠 System Switching F	Routin	g QoS Se	curity Monitoring Maintena	nce 😪	Save එLogout				
Ports Mgmt LAG VLANs	Addres	sTable STP	Multicast MVR Auto-VoIP U	DLD Loop Protect ERPS					
VLAN	Po	rt PVID Configu	ration - Access Mode	Appin 🔉 🖓 Refresh					
Basic		- Coningu	Tation - Access mode	?					
Advanced		Interface	Switchport Mode	Access Mode VLAN					
VLAN Configuration		0/5	Access ~						
Port PVID Configuration		] 0/1	General	1					
VLAN Trunking Configuration		0/2	General	1					
Port VLAN Configuration	C	] 0/3	General	1					
VLAN Membership	C	] 0/4	General	1					
Port Default Priority		0/5	Access	1					
VLAN Status		0/6	General	1					
Port VLAN Status		] 0/7	General	1					
GARP Switch Configuration		] 0/8	General	1					
GARP Port Configuration		] 0/9	General	1					
Protocol VI ANS		0/10	General	1					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0/11	General	1					
802.1Q TUNNELING		0/12	General	1					
Voice VLAN Configuration		LAG 1	General	1					
		LAG 2	General	1					
		LAG 3	General	1					
	1	fotal 20 items. Sho	wing 1 to 15. Entries per page 15	<< < 1 2 > >>					

설정 가능한 모드는 General, Access, Trunk입니다.

VLAN이 설정되지 않은 하위 장비에 대해 특정 VLAN으로 그룹핑하기 위해서는 Access를 적용하시고 여러 VLAN을 처리하는 상위 업링크 포트에는 Trunk를 적용하세요

VLAN 1은 기본값이며 VLAN을 설정하지 않은 것과 동일합니다.

Trunk로 설정한 포트에 특정 VLAN들을 지정하려면 좌측 메뉴의 Advanced의 VLA Trunking Configuration을 클릭하시고 Trunk로 설정하려는 포트에 대해 VLAN값을 설정하 세요

Switch Web Managment +							۹ <u> </u>
< > C 🛆 주의 요함 192	168.40.	11/login.hti	m#				⊠ @ ® > ♡ ≡ 8
		U-I-F5	012HPA				
System Switching R	outing	QoS	Security M	Monitoring Ma	intenance	ග Save එ Logout	
Ports Mgmt LAG VLANs	Address	Table S	TP Multicast	MVR Auto-V	DIP UDLD Loop Protect ERPS	$\bigcap$	
VLAN	VLA	N Trunkin	g Configuratior	n - Trunk Mode		Apply 🖓 Refree	sh ?
Advanced -		Interface	Switchport Mode	Native VLAN ID	Trunk Allowed VLANs	Trunk Except VLANs	
VLAN Configuration		0/4	Irunk	1	10,20,30		
Port PVID Configuration		0/1	General	1	All		
VLAN Trunking Configuration		0/2	General	1	All		
Port VLAN Configuration		0/3	General	1	All		
VLAN Membership		0/4	Trunk	1	All		
Port Default Priority		0/5	Access	1	All		
VLAN Status		0/6	General	1	All		
Port VLAN Status		0/7	General	1	All		
GARP Switch Configuration		0/8	General	1			
GARP Port Configuration		0/9	General	1			
Protocol VLANs		0/10	General	1			
202 1O TUNNELING		0/11	General	1	All		
ouz.ing formeeined		0/12	General	1	All		
Voice VLAN Configuration		LAG 1	General	1	All		
		LAG 2	General	1	All		
		LAG 3	General	1	All		
		LAU 3	General				

보다 자세한 설정을 하고자 할 경우 좌측의 Advanced > Port VLAN Configuration 혹은

VLAN Membership 메뉴를 선택하여 VLAN을 설정할 수 있습니다.

Switch Web Managment +					٩ _ ٦	ו
< > C 🛆 주의 요함 192.10	68.40.11/login.htm#				© @ © > ♡ ≡ 8	Ŷ
	U-I-F5012HPA					_
🏠 System Switching Ro	uting QoS Security Monitoring	Maintenance		ි Save එ Logout		
Management Deviceview Servie	ces DNS PoE SNMP LLDP ISI	OP Timer Schedule				
Management	System Information - Switch Status		Apply Reset Hos	stname 🔉 🖓 Refresh		
<ul> <li>System Information</li> </ul>	Product Name	U-I-F5012HPA				
Hardware Information	System Name			(Max:255 characters)		
= Device Information	System Location			(Max:255 characters)		
Switch Statistics	System Contact			(Max-255 characters)		
System CPU Status	System Contact			(Max.200 Characters)		
Network Interface	Hostname(system prompt)	Routing	(Ma)			
Time +		auto-generation Pre	fix switch-	(Max:60 characters)		
SDM Template Preference	Login Timeout	5	(1 to 60 minutes)			
	Management VLAN ID	1				
	IPv4 Network Interface	192.168.40.11/255.255.255.0				
	IPv6 Network Interface	fe80::ca39:dff:fe03:b570				
	System Mac Address	C8:39:0D:03:B5:70				
	L2 MAC Address	C8:39:0D:03:B5:72				
	L3 MAC Address	C8:39:0D:03:B5:73				
	System SNMP OID	1.3.6.1.4.1.4413				
	System Date	01/07/2000 02:00:42 (UTC+0	:00)			
	System Up Time	13 minutes, 54 seconds				

Save 버튼을 누르면 변경된 내용으로 스위치에 저장됩니다.

4. RSTP 설정

RSTP 설정을 위해서는 상위 메뉴의 Switching > STP를 선택하시고 좌측의 Basic > STP Configuration을 선택하세요

Switch Web Managment +								Q	-	
< > C 🛆 주의 요함 192.16				⊳ ©		Ø 📘				
	U-I-F5012HPA									
🏠 System witching Rou	uting QoS Security Monitoring	Mainten	ance	ල Save එLog	gout					
Ports Mgmt LAG VLANs Add	dressTable ST Multicast MVR A	uto-VoIP	UDLD Loop Protect	RPS						
STP	STP Configuration - Configuration			Apply & Refre	sh ?					
	Spanning Tree Admin Mode O Disable Enable									
Advanced	Force Protocol Version O IEEE 802.10 IEEE 802.10 IEEE 802.10 O IEEE 802.10 O Rapid-PVST									
	BPDU Guard									
	BPDU Filter O Enable									
	Configuration Name	C8-39-0D-	03-B5-70 (Max:32							
	Configuration Revision Level	0	(0-6553							
	Configuration Digest Key	0xac36177f50283cd4b83821d8ab26de62								
	STP Configuration - CIST Status				?					
	MST ID		VID FID							
	0		1	1						

Spanning Tree Admin Mode가 반드시 Enable이 되어 있어야 합니다.

RSTP를 설정하기 위해서는 IEEE 802.1w를 선택하시고 STP로 동작하도록 하려면 IEEE

802.1d를 선택하시고 MSTP로 동작하게 하려면 IEEE 802.1s를 선택하세요.

🐁 Switch Web Managment +														
< > C 🛆 주의 요함 19	< > C △ 주의요함 192.168.40.11/login.htm# C △ 주의요함 192.168.40.11/login.htm# C △ 주의요함 192.168.40.11/login.htm#													
U-I-F5012HPA														
🏠 System Switching I	Routin	ng QoS	Security	Monitoring Ma	aintenance			e	Save OLog	out				
Ports Mgmt LAG VLANs	Addres	ssTable ST	Multicas	t MVR Auto-V	oIP UDLD	Loop Protect	ERPS							
STP	C 9	ST Port Conf	iguration Co	onfiguration										
Basic	,	STTOREON	iguration - oc	iniguration	External F	Port Path Cost			Internal P	ort Path Cost				
Advanced STP Configuration		Interface	Port Mode	Port Priority (0- 240, in steps of 16)	Auto Calculated	Designated(0- 200000000, 0:Auto)	Admin Edge Port	Hello Timer	Auto Calculated	Designated	BPDU Filter	BPDU Flood	BPDU Guard Effect	Auto Ed
CST Configuration		0/8	Enable	128	Enable ~	20000	Disable ~	2	Enable ~	0	Disable ~	Disable ~	Disabled	Disable
CST Port Configuration		0/1	Enable	128	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
CST Port Status		0/2	Enable	128	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
MST Configuration		] 0/3	Enable	128	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
MST VLAN Configuration		0/4	Enable	120	Enable	0	Dicable	2	Enable	0	Disable	Disable	Disabled	Disable
MST Port Configuration		 	Enable	120	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
MST Port Status		] 0/5	Enable	120	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
PVST Configuration		0/6	Enable	128	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
PVST VLAN Config	6	0//	Enable	128	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
PVST Port Config	Ľ	D/8	Enable	128	Enable	20000	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
STP Satistics	L	0/9	Enable	128	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
		0/10	Enable	128	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
		0/11	Enable	128	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
		0/12	Enable	128	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
1		LAG 1	Enable	96	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
		LAG 2	Enable	96	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable
		LAG 3	Enable	96	Enable	0	Disable	2	Enable	0	Disable	Disable	Disabled	Disable

특정 포트에 RSTP가 적용되게 하기 위해서는 좌측 메뉴의 Advanced > CST Configuration 을 선택하고 RSTP가 적용될 포트에 대해 Port Mode를 반드시 Enable로 설정해야 합니다

이 스위치의 RSTP 우선순위를 변경하기 위해서는 좌측 메뉴의 Advanced > CST Configration을 선택하고 Bridge Priority값을 변경합니다.

🛔 Switch Web Managment 🛛 +					Q _ D
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-	U-I-F5012HPA				
🏠 System Switching Ro	outing QoS Security Monitorin	ng Maintenance		🐼 Save 🖞 Logout	
Ports Mgmt LAG VLANs A	ddressTable STP Multicast MVR	Auto-VoIP UDLD	Loop Protect ERPS	_	
STP	CST Configuration - Configuration	$\frown$	(v)	Refresh	
Basic	Bridge Priority	32768	(0 to 61440)		
Autoneto *	Bridge Max Age (secs)	40	(6 to 40)		
STP Configuration	Bridge Hello Time (secs)	2	(1 to 10)		
CST Port Configuration	Bridge Forward Delay(secs)	21	(4 to 30)		
CST Port Status	Spanning Tree Maximum Hops	40	(6 to 40)		
MST Configuration	Spanning Tree Tx Hold Count	6	(1 to 10)		
MST VLAN Configuration			1. 12. 14		
MST Port Configuration	CST Configuration - Status			?	
MST Port Status	Bridge Identifier	80:00:C8:39:0D:03:B	5:70		
PVST Configuration	Time Since Topology Change	0 day 0 br 58 min 24	sac		
PVST VLAN Config	This since topology change	0 duy 0 m 30 mm 24	300		
PVST Port Config	Topology Change Count	0			
STP Satistics	Topology Change	False			
	Designated Root	80:00:C8:39:0D:03:B	5:70		
	Root Path Cost	0			
	Root Port Identifier	80:00			
	Max Age (secs)	40			
	Forward Delay (secs)	21			

이 스위치는 기본 초기 상태로 RSTP가 동작되며 모든 포트에 RSTP가 활성화되어 있고, Bridge Priority는 32768을 가지고 있습니다.

따라서, ERPS와 같이 STP와 함께 사용할 수 없는 프로토콜을 사용하고자 할 경우 반드시

STP 전체 모드를 Disable로 하거나 특정 포트에 대해 STP 모드를 Disable로 변경해야 합니다.

Switch Web Managment +			Q _ 🗆
< > C 🛆 주의 요함 194	2.168.40.11/login.htm#		⊻ © © > ♡ ≡ 8 �
	U-I-F5012HPA		
🏠 System Switching I	Routing QoS Security Monitoring	g Maintenance 🕑 Save O Logout	
Management Deviceview Se	rvices DNS PoE SNMP LLDP IS	SDP Timer Schedule	
Management	System Information - Switch Status	Apply Reset Hostname & Refresh	
System Information	Product Name	U-I-F5012HPA	
Hardware Information	System Name	(Max 255 characters)	
Device Information	System Location	(Max 255 characters)	
= Switch Statistics	System Contact	(Max-200 charactere)	
System CPU Status	system contact		
Network Interface	Hostname(system prompt)	Routing (Max:64 characters)	
Time	•	auto-generation Prefix switch- (Max:60 characters)	
SDM Template Preference	Login Timeout	5 (1 to 60 minutes)	
	Management VLAN ID	1	
	IPv4 Network Interface	<u>192.168.40.11/255.255.255.0</u>	
	IPv6 Network Interface	fe80::ca39:dff.fe03:b570	
	System Mac Address	C8:39:0D:03:B5:70	
	L2 MAC Address	C8:39:0D:03:B5:72	
	L3 MAC Address	C8:39:0D:03:B5:73	
	System SNMP OID	1.3.6.1.4.1.4413	
	System Date	01/07/2000 02:00:42 (UTC+0:00)	
	System Up Time	13 minutes, 54 seconds	

Save 버튼을 누르면 변경된 내용으로 스위치에 저장됩니다.