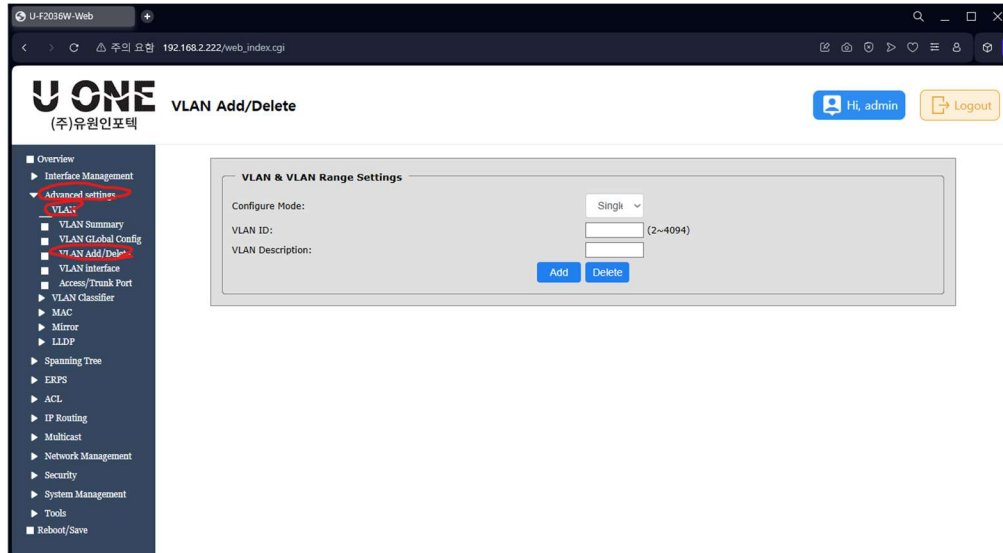
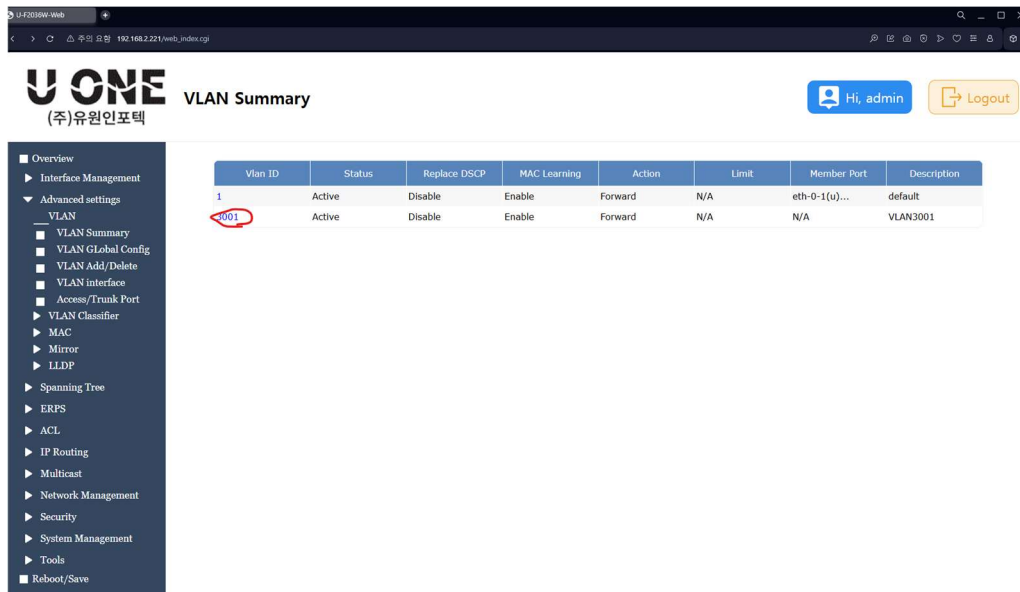


1. VLAN 설정

스위치에 VLAN 설정을 하기 위해서는 좌측의 Advanced Settings > VLAN > VLAN Add/Delete를 클릭하세요

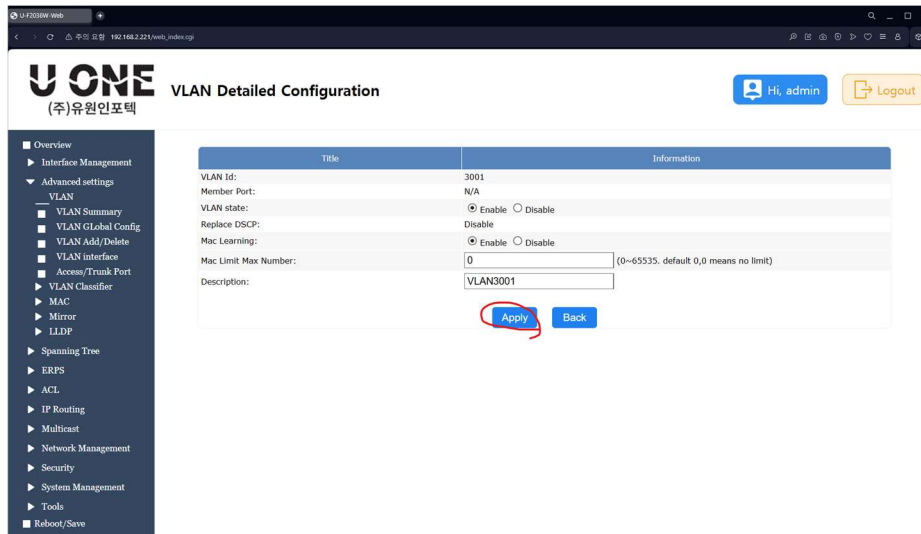


추가하려는 VLAN을 VLAN ID 항목에 입력하고 Add버튼을 누르세요

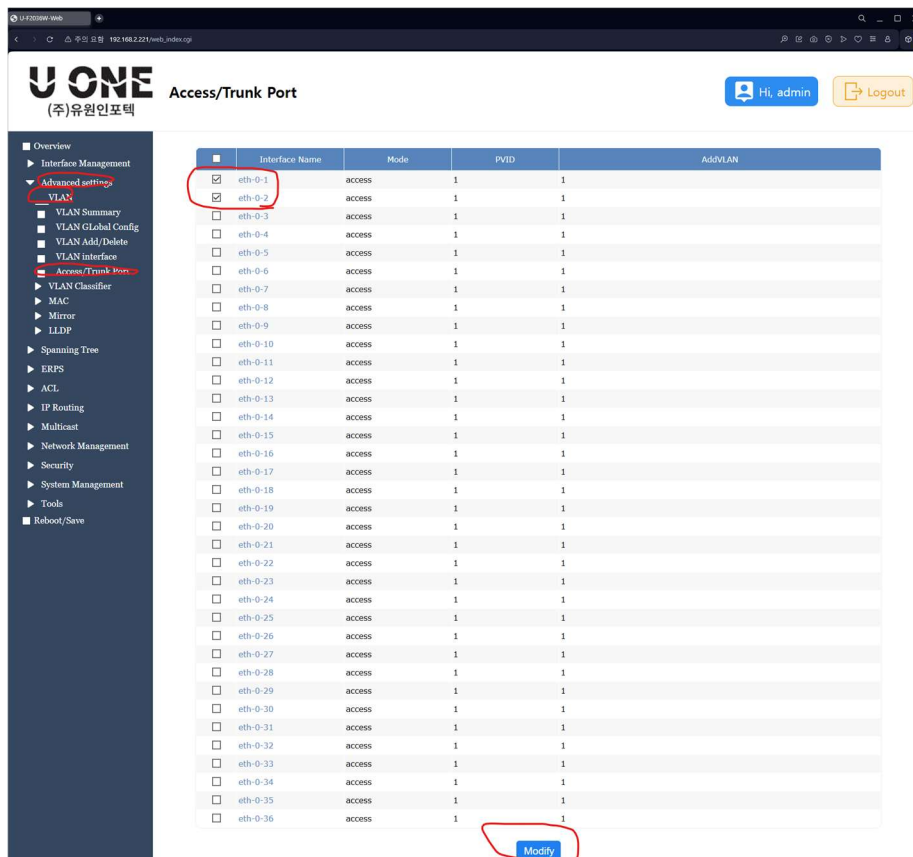


Vlan ID	Status	Replace DSCP	MAC Learning	Action	Limit	Member Port	Description
1	Active	Disable	Enable	Forward	N/A	eth-0-1(u)...	default
1001	Active	Disable	Enable	Forward	N/A	N/A	VLAN3001

생성된 VLAN 번호를 클릭하세요

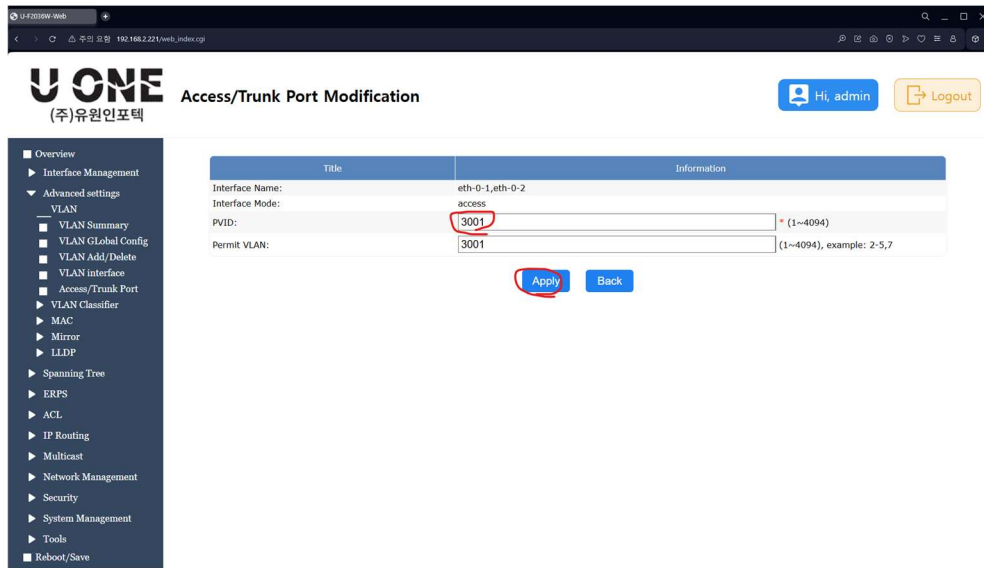


Apply 버튼을 눌러 적용하세요.



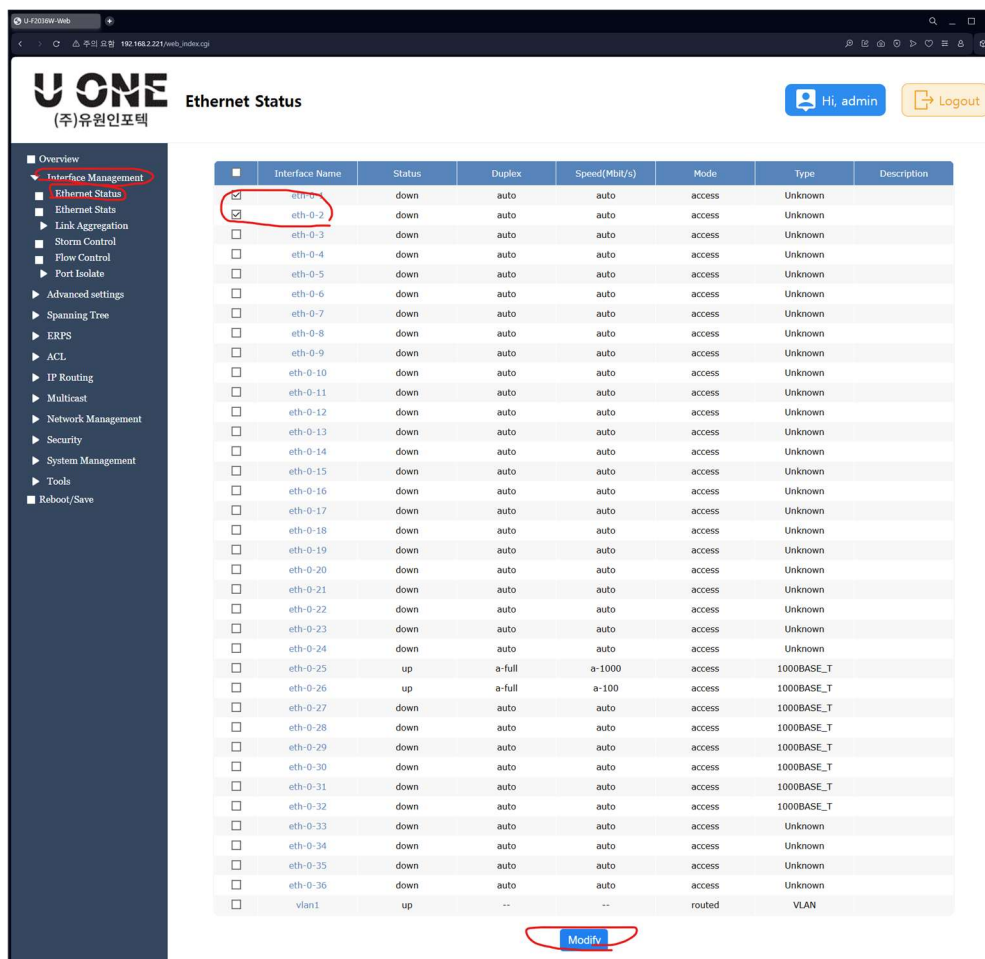
추가된 VLAN을 특정 포트에 적용하기 위해서는 좌측 메뉴의 Advanced settings > VLAN > Access/Trunk Port를 선택하세요

VLA을 적용하려는 포트 이름(예 : eth-0-1)을 직접 클릭하거나 체크박스를 선택하고 Modify를 클릭하세요

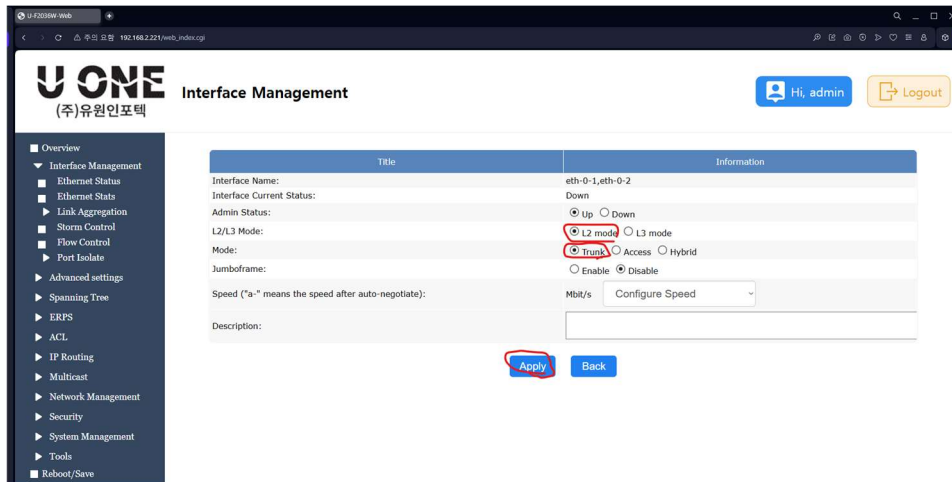


PVID에 적용하려는 VLAN 번호를 입력하고 Apply를 누르세요.

특정 포트에 대해 VLAN mode를 trunk로 설정하기 위해서는 Interface Management > Ethernet Status를 선택하세요



VLAN mode를 변경하려는 포트를 선택하고 Modify 버튼을 클릭하세요



L2/L3 mode를 반드시 L2 mode로 선택해야 합니다.

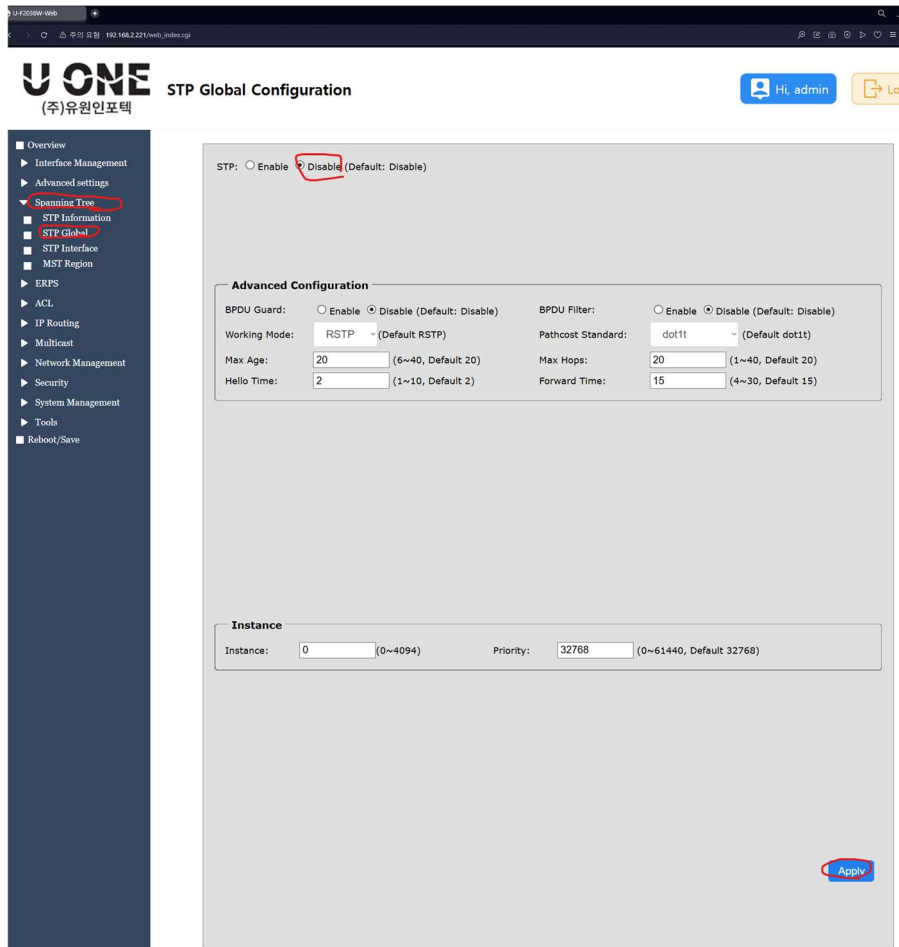
Mode를 Trunk로 설정하면 VLAN mode가 Trunk로 동작합니다. 선택 가능한 모드는 Trunk, Access, Hybrid입니다

Apply 버튼을 클릭하세요

2. STP 설정

ERPS에서 STP의 기능과 함께 사용할 수 없습니다.

2-1. 좌측 메뉴의 Spanning Tree > STP Global을 클릭하세요



STP 모드를 Disable로 설정하면 이 스위치에서 모든 STP 기능이 중지됩니다.

ERPS와 STP가 서로 다른 포트로 함께 동작해야 한다면 STP 기능을 Enable로 합니다

2-2. STP 모드를 Enable로 했을 경우 ERPS로 사용할 포트에 STP를 끄기 위해서는 좌측 메뉴의 Spanning Tree > STP Interface를 클릭합니다.

UONE (주)유원인포텍 STP Interface Management

Hi, admin Logout

- Overview
 - Interface Management
 - Advanced settings
 - Spanning Tree
 - STP Information
 - STP Global
 - STP Interface**
 - MST Region
 - ERPS
 - ACL
 - IP Routing
 - Multicast
 - Network Management
 - Security
 - System Management
 - Tools
 - Reboot/Save

Interface Name	Edgeport	Bpdu Guard	Bpdu Filter	Root Guard	Loop Guard	STP
eth-0-1	disable	disable	disable	disable	disable	enable
eth-0-2	disable	disable	disable	disable	disable	enable
eth-0-3	disable	disable	disable	disable	disable	enable
eth-0-4	disable	disable	disable	disable	disable	enable
eth-0-5	disable	disable	disable	disable	disable	enable
eth-0-6	disable	disable	disable	disable	disable	enable
eth-0-7	disable	disable	disable	disable	disable	enable
eth-0-8	disable	disable	disable	disable	disable	enable
eth-0-9	disable	disable	disable	disable	disable	enable
eth-0-10	disable	disable	disable	disable	disable	enable
eth-0-11	disable	disable	disable	disable	disable	enable
eth-0-12	disable	disable	disable	disable	disable	enable
eth-0-13	disable	disable	disable	disable	disable	enable
eth-0-14	disable	disable	disable	disable	disable	enable
eth-0-15	disable	disable	disable	disable	disable	enable
eth-0-16	disable	disable	disable	disable	disable	enable
eth-0-17	disable	disable	disable	disable	disable	enable
eth-0-18	disable	disable	disable	disable	disable	enable
eth-0-19	disable	disable	disable	disable	disable	enable
eth-0-20	disable	disable	disable	disable	disable	enable
eth-0-21	disable	disable	disable	disable	disable	enable
eth-0-22	disable	disable	disable	disable	disable	enable
eth-0-23	disable	disable	disable	disable	disable	enable
eth-0-24	disable	disable	disable	disable	disable	enable
eth-0-25	disable	disable	disable	disable	disable	enable
eth-0-26	disable	disable	disable	disable	disable	enable
eth-0-27	disable	disable	disable	disable	disable	enable
eth-0-28	disable	disable	disable	disable	disable	enable
eth-0-29	disable	disable	disable	disable	disable	enable
eth-0-30	disable	disable	disable	disable	disable	enable
eth-0-31	disable	disable	disable	disable	disable	enable
eth-0-32	disable	disable	disable	disable	disable	enable
eth-0-33	disable	disable	disable	disable	disable	enable
eth-0-34	disable	disable	disable	disable	disable	enable
eth-0-35	disable	disable	disable	disable	disable	enable
eth-0-36	disable	disable	disable	disable	disable	enable

ERPS로 사용하고자 하는 포트를 클릭합니다.

UONE (주)유원인포텍 STP Interface Management

Hi, admin Logout

- Overview
 - Interface Management
 - Advanced settings
 - Spanning Tree
 - STP Information
 - STP Global
 - STP Interface
 - MST Region
 - ERPS
 - ACL
 - IP Routing
 - Multicast
 - Network Management
 - Security
 - System Management
 - Tools
 - Reboot/Save

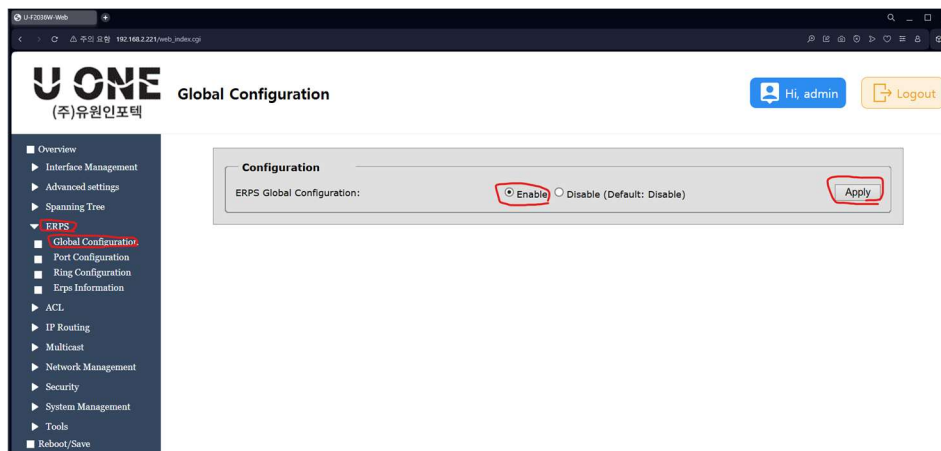
Title	Configure
Interface:	eth-0-1
STP:	☐ Enable ☒ Disable
Edge port:	☐ Enable ☒ Disable
Bpdu Guard:	☐ Enable ☒ Disable
Bpdu Filter:	☐ Enable ☒ Disable
Root Guard:	☐ Enable ☒ Disable
Loop Guard:	☐ Enable ☒ Disable

Title	Configure
Interface:	eth-0-1
Instance:	0 (0~4094)
Priority:	128 (0~240, Default 128)
Path Cost:	20000 (1~200000000)

ERPS 포트의 STP모드를 Disable로 끄고 Apply를 누릅니다

3. ERPS 설정

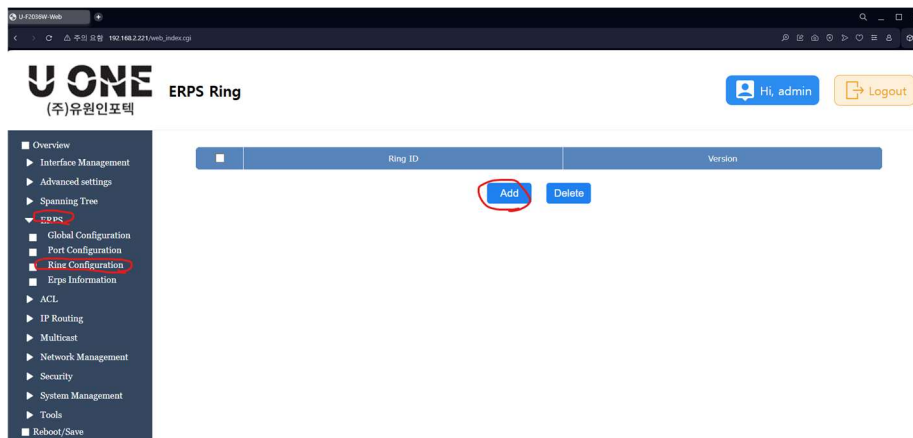
3-1. ERPS 모드 설정



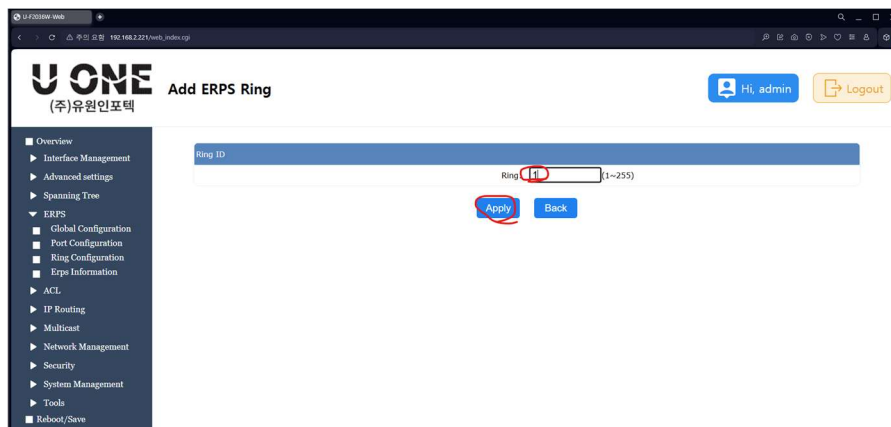
좌측 메뉴의 ERPS > Global Configuration을 클릭합니다.

ERPS Global Configuration의 모드를 Enable로 선택하고 Apply 버튼을 클릭합니다

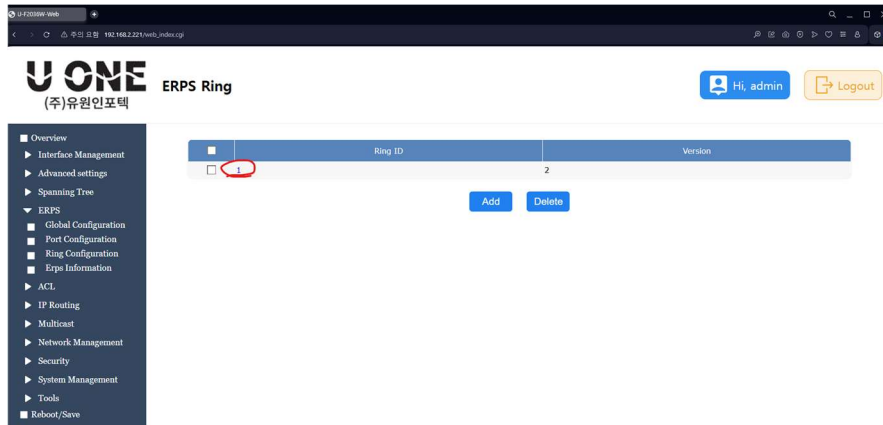
3-2. ERPS 링 설정



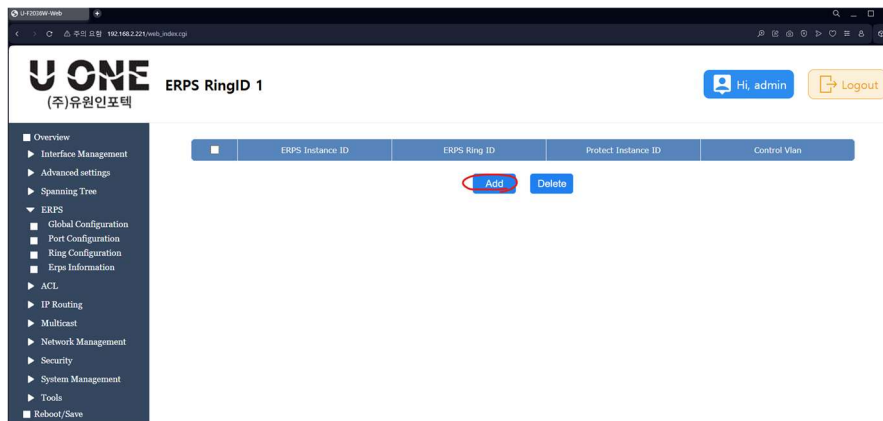
좌측 메뉴의 ERPS > Ring Configuration을 클릭하고 Add버튼을 클릭합니다.



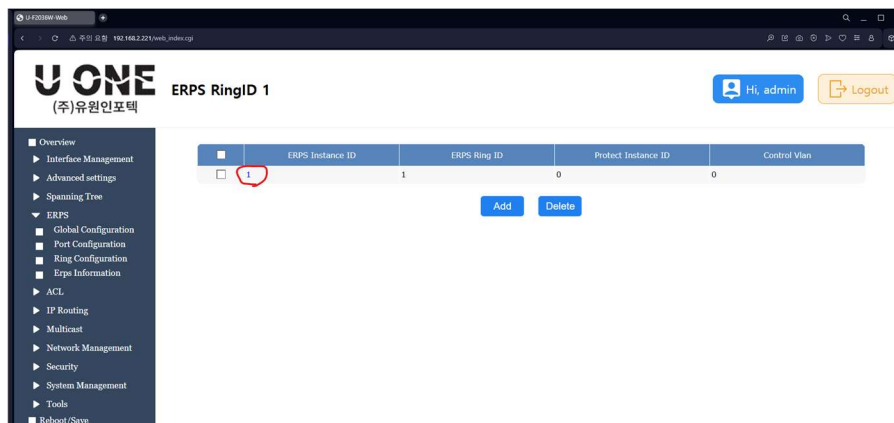
Ring 번호를 1로 설정하고 Apply를 클릭합니다.



설정이 필요한 ERPS ring의 번호를 클릭합니다.



Add 버튼을 클릭합니다



ERPS ring 번호를 클릭합니다

3-2-1. Owner설정

U-ONE ERPS RingID 1 Instance ID 1

(주)유원인포텍

Hi, admin Logout

- Overview
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 - Advanced settings
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 - Erps Information
 - ACL
 - IP Routing
 - Multicast
 - Network Management
 - Security
 - System Management
 - Tools
 - Reboot/Save

Title	Configure
Protect Instance:	0 (0~63, 0 is disable)
Control Vlan :	3001 (0~4094, 0 is disable)
Guard-timer :	50 (1~200, time unit: 10ms, default 500ms)
Holdoff-timer :	0 (0~10, time unit: 1s, default 0s)
Wtr-timer :	5 (1~12, time unit: 1m, default: 5m)
Port1 Type:	☒ common ☒ owner ☐ neighbour ☐ noexist
Port2 Type:	☒ common ☐ owner ☐ neighbour ☐ noexist

Apply Back

Control Vlan을 3001로 설정하고 Port 1 type을 Owner로 선택한 후 Apply 버튼을 클릭합니다

3-2-2. Normal 설정

U-ONE ERPS RingID 1 Instance ID 1

(주)유원인포텍

Hi, admin Logout

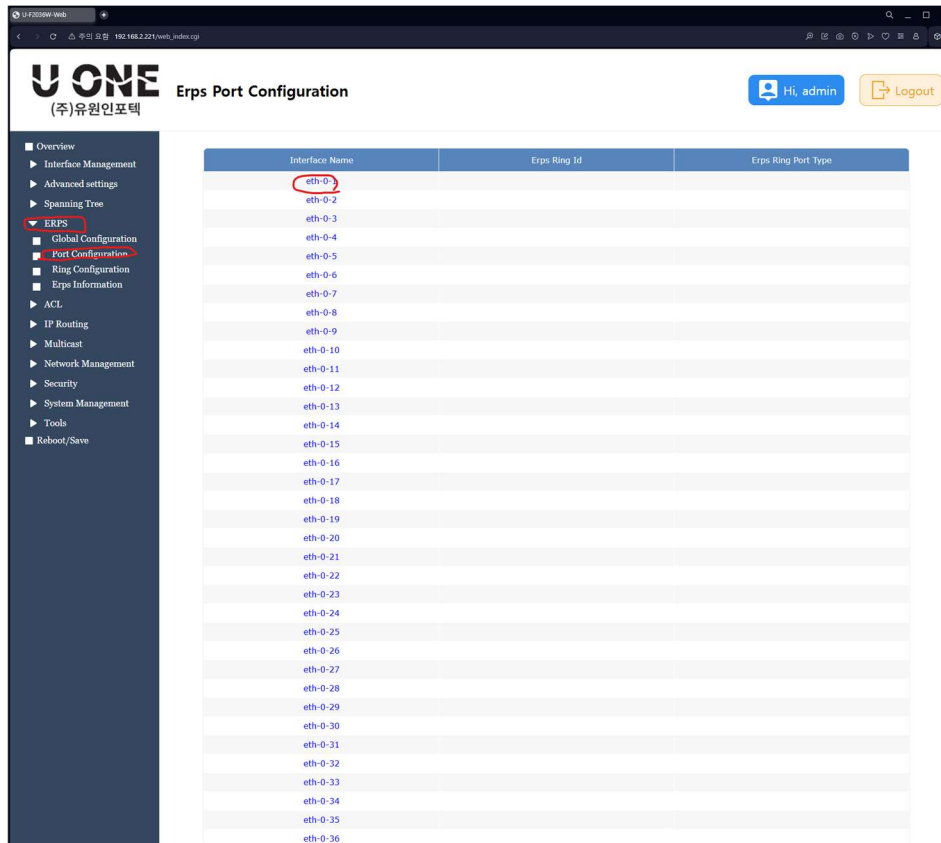
- Overview
 - Interface Management
 - Advanced settings
 - Spanning Tree
 - ERPS
 - Global Configuration
 - Port Configuration
 - Ring Configuration
 - Erps Information
 - ACL
 - IP Routing
 - Multicast
 - Network Management
 - Security
 - System Management
 - Tools
 - Reboot/Save

Title	Configure
Protect Instance:	0 (0~63, 0 is disable)
Control Vlan :	3001 (0~4094, 0 is disable)
Guard-timer :	50 (1~200, time unit: 10ms, default 500ms)
Holdoff-timer :	0 (0~10, time unit: 1s, default 0s)
Wtr-timer :	5 (1~12, time unit: 1m, default: 5m)
Port1 Type:	☒ common ☐ owner ☐ neighbour ☐ noexist
Port2 Type:	☒ common ☐ owner ☐ neighbour ☐ noexist

Apply Back

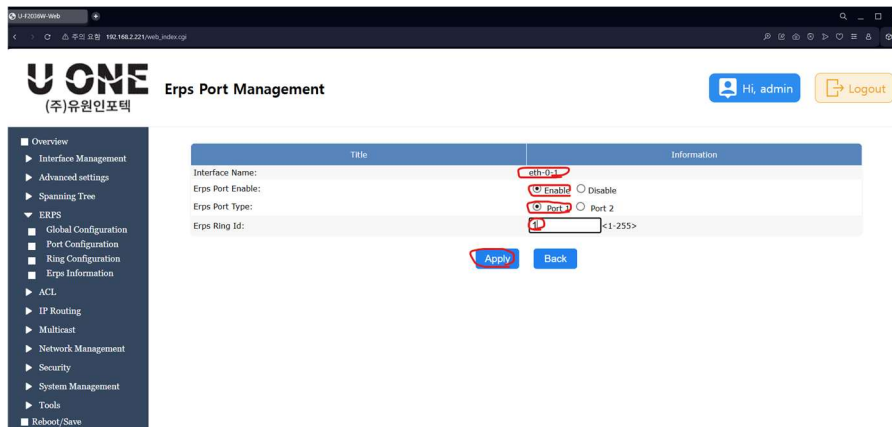
Control Vlan을 3001로 설정하고 Port 1 type과 Port 2 type을 common으로 선택한 후 Apply 버튼을 클릭합니다

3-3. ERPS 포트 설정



좌측 메뉴의 ERPS > Port Configuration을 클릭합니다.

ERPS로 설정하고자 하는 포트를 클릭합니다



ERPS의 첫번째 포트에 대해 Erps Port Enable을 Enable로 설정하고 Erps Port Type을 Port 1로 선택한 후 Erps Ring Id를 1을 입력 후 Apply를 누릅니다.

두번째 포트를 선택합니다.

U ONE (주)유원인포텍 Erps Port Management

Hi, admin Logout

- Overview
 - Interface Management
 - Advanced settings
 - Spanning Tree
 - ERPS
 - Global Configuration
 - Port Configuration
 - Ring Configuration
 - Erps Information
 - ACL
 - IP Routing
 - Multicast
 - Network Management
 - Security
 - System Management
 - Tools
 - Reboot/Save

Title	Information
Interface Name:	eth-0-2
Erps Port Enable:	☒ Enable ☐ Disable
Erps Port Type:	☐ Port 1 ☒ Port 2
Erps Ring Id:	1 <1-255>

Apply Back

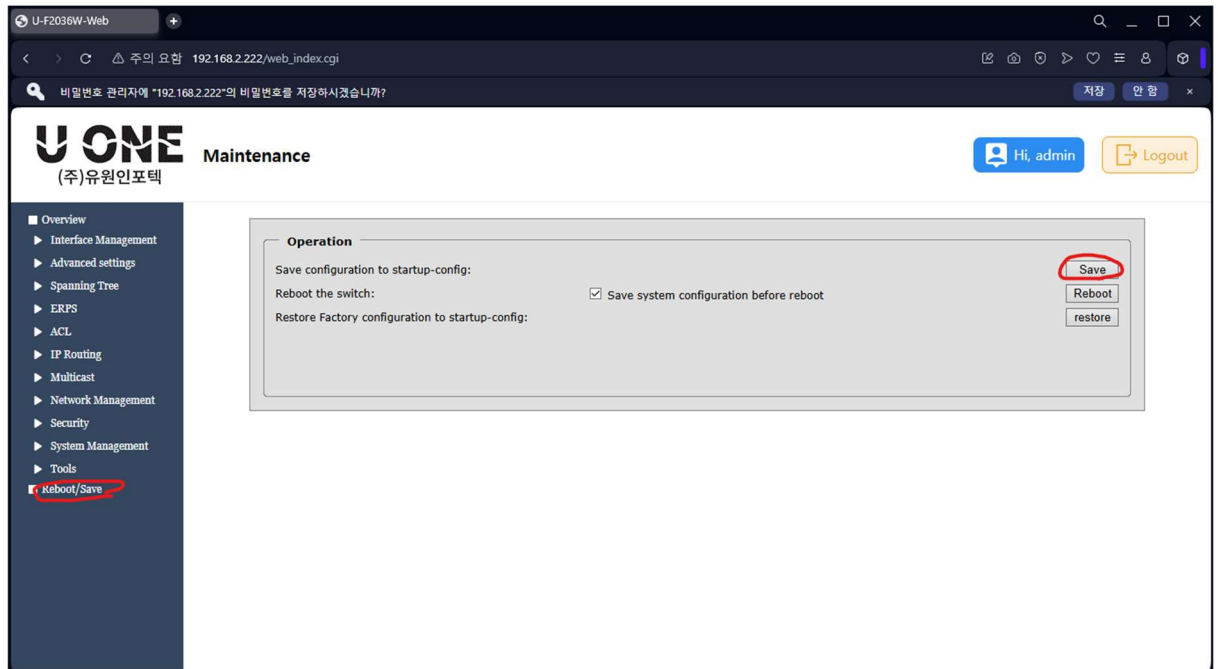
ERPS의 두번째 포트에 대해 Erps Port Enable을 Enable로 설정하고 Erps Port Type을 Port 2로 선택한 후 Erps Ring Id를 1을 입력한 후 Apply를 누릅니다

U ONE (주)유원인포텍 Erps Port Configuration

Hi, admin Logout

- Overview
 - Interface Management
 - Advanced settings
 - Spanning Tree
 - ERPS
 - Global Configuration
 - Port Configuration
 - Ring Configuration
 - Erps Information
 - ACL
 - IP Routing
 - Multicast
 - Network Management
 - Security
 - System Management
 - Tools
 - Reboot/Save

Interface Name	Erps Ring Id	Erps Port Type
eth-0-1	1	port1
eth-0-2	1	port2
eth-0-3		
eth-0-4		
eth-0-5		
eth-0-6		
eth-0-7		
eth-0-8		
eth-0-9		
eth-0-10		
eth-0-11		
eth-0-12		
eth-0-13		
eth-0-14		
eth-0-15		
eth-0-16		
eth-0-17		
eth-0-18		
eth-0-19		
eth-0-20		
eth-0-21		
eth-0-22		
eth-0-23		
eth-0-24		
eth-0-25		
eth-0-26		
eth-0-27		
eth-0-28		
eth-0-29		
eth-0-30		
eth-0-31		
eth-0-32		
eth-0-33		
eth-0-34		
eth-0-35		
eth-0-36		



좌측 메뉴의 Reboot/Save 클릭 후 Save 버튼을 누르면 변경된 내용으로 스위치에 저장됩니다.