

# 1. VLAN 생성/IP 설정/VLAN 적용방법

## ➤ STEP 1.

- VLAN 생성

```
Switch# conf t
Switch(config)# vlan database
Switch(config-vlan)# vlan 10
Switch(config-vlan)# vlan 20
Switch(config-vlan)# exit
```

## ➤ STEP 2.

- VLAN IP 설정

```
Switch(config)# interface vlan10
Switch(config-if-Vlan10)# ip address 10.1.1.100/24
Switch(config-if-Vlan10)# ip address 11.1.1.100/24 secondary (VLAN Secodary IP 추가)
```

## ➤ STEP 3.

- 포트 VLAN 적용

```
Switch(config)# interface range gi 0/1-0/23
Switch(config-if-range)# switchport access vlan 10 (VLAN UNTAG 방식)
Switch(config-if-range)# exit
Switch(config)# interface gi0/24
Switch(config-if-Giga0/24)# switchport mode trunk (VLAN TAG 방식)
Switch(config-if-Giga0/24)# switchport trunk allowed vlan add 10
Switch(config-if-Giga0/24)# switchport trunk allowed vlan add 20
```

## 2. VLAN 삭제 및 조회방법

### ➤ STEP 1.

- 포트 VLAN 적용내역 삭제

```
Switch(config)# interface range gi 0/1-0/23
Switch(config-if-range)# no switchport access vlan
Switch(config-if-range)# exit
Switch(config)# interface gi0/24
Switch(config-if-Giga0/24)# switchport trunk allowed vlan remove 10
Switch(config-if-Giga0/24)# switchport trunk allowed vlan remove 20
```

### ➤ STEP 2.

- VLAN 삭제

```
Switch(config)# vlan database
Switch(config-vlan)# no vlan 10
Switch(config-vlan)# no vlan 20
Switch(config-vlan)# exit
```

### ➤ STEP 3.

- 설정 저장 및 VLAN 조회

```
Switch# copy running-config startup-config
Overwrite 'flash: start.cfg'? [y/n] y
```

```
Switch# show vlan brief
```