

4. RUSTLE 3124

4.1 VLAN

Default VLAN

RUSTLE3124 VLAN , Port

VLAN

RUSTLE 3124 VLAN ID 1(Default VLAN)

Port가 VLAN ID 1

VLAN Default VLAN 가 RUSTLE 3124S

VLAN Port가 , VLAN

show vlan all

SWITCH(config)>> show vlan all

VLAN ID	Group	1... ..8	Main 9... ..16	17... ..24	Opt1 1... ..8	Opt2 1... ..8
1	0	00000000	00000000	00000000		
1010	0	-----				

VLAN ID 1010 IGMP

Port Based VLAN

Default VLAN 3 VLAN VLAN 1-8,
9-16, 17-24 Port

Step 1. VLAN 2, 3

vlan add <vlan_id>

```
SWITCH(config)>> vlan add 2
SWITCH(config)>> vlan add 3
```

Step 2. Step 1 VLAN Port .

vport add <vlan_id> <main|opt1|opt2> <port_num>

```
SWITCH(config)>> vport add 2 main 9,10,11,12,13,14,15,16
SWITCH(config)>> vport add 3 main 17-24
```

Port Comma(,) Hyphen(-)

Step 3. Step 2 VLAN Port Switch Port .

swport vlanid <main|opt1|opt2> <port_num> <vlan_id>

```
SWITCH(config)>> swport vlanid main 9-16 2
SWITCH(config)>> swport vlanid main 17-24 3
```

Step 4. Default VLAN(VLAN ID 1) Port .

vport del <vlan_id> <main|opt1|opt2> <port_num>

```
SWITCH(config)>> vport del 1 main 9-24
```

VLAN Port Port VLAN
, Switch Port .

Step 5. VLAN .

show vlan all

```
SWITCH(config)>> show vlan all
-----
VLAN ID  Group  1... ..8      Main  9... ..16  17... ..24  Opt1  1... ..8  Opt2  1.....8
-----
      1      0      00000000
      2      0              00000000
      3      0              00000000
    1010      0      -----
```

VLAN VLAN 1, 2, 3 Broadcast Domain
가 .

VLAN

RUSTLE 3124 VLAN Port가 VLAN
VLAN . VLAN VLAN
Port VLAN 3 Port(17~24 Port) VLAN 2 , VLAN
3

Step 1. VLAN 3 Port Port Based VLAN
Step 2~3 VLAN 2 가 .

```
SWITCH(config)>> vport add 2 main 17-24
SWITCH(config)>> swport vlanid main 17-24 2
```

Step 2. VLAN 3 Port .

vport del <vlan_id> <main|opt1|opt2> <port_num>

```
SWITCH(config)>> vport del 3 main 17-24
```

Step 3. VLAN 3 .

vlan del <vlan_id>

```
SWITCH(config)>> vlan del 3
```

Step 4. VLAN .

```
SWITCH(config)>> show vlan all
```

VLAN ID	Group	1... ..8	Main 9... ..16	17... ..24	Opt1 1... ..8	Opt2 1.....8
1	0	00000000				
2	0		00000000	00000000		
1010	0	-----				

VLAN

Default VLAN 4 VLAN , VLAN 1 1-8, 24, VLAN 2 9-16, 24, VLAN 3 17-24 Port 24 Port Port (VLAN 4), Port VLAN .

Step 1. Switching mode basic mode .

```
SWITCH(config)>> mode basic
Mode changed Basic ... Now reboot
```

VLAN , switching mode basic mode , tag mode .
reboot

Step 2. VLAN 2-4 .

```
SWITCH(config)>> vlan add 2
SWITCH(config)>> vlan add 3
SWITCH(config)>> vlan add 4
```

Step 3. VLAN Port .

```
SWITCH(config)>> vport add 2 main 9-16, 24
SWITCH(config)>> vport add 3 main 17-24
SWITCH(config)>> vport add 4 main 1-24
```

VLAN VLAN 4 VLAN Port .

Step 4. VLAN Port Switch Port .

```
SWITCH(config)>> swport vlanid main 9-16 2
SWITCH(config)>> swport vlanid main 17-23 3
SWITCH(config)>> swport vlanid main 24 4
```

Port 24 Port VLAN VLAN 4 ,
VLAN 4 Switch Port .

Step 5. VLAN 1 VLAN 2, 3 Port . (Port)

```
SWITCH(config)>> vport del 1 main 9-23
```

Step 6. Switching mode VLAN

```
SWITCH(config)>> show mode
Start switch mode is Basic
```

```
SWITCH(config)>> show vlan all
```

VLAN ID	Group	1... ..8	Main 9... ..16	17... ..24	Opt1 1... ..8	Opt2 1... ..8
1	0	00000000		0		
2	0		00000000	0		
3	0			00000000		
4	0	00000000	00000000	00000000		
1010	0					

VLAN Network IP 가 Broadcast Domain , VLAN 4