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switchport trunk encapsulation dot1q

2-2 minutes

Command

Switchport Trunk Encapsulation dot1q

Use

Enables dot1q trunking encapsulation on the interface.

Syntax

Switch(config-if)#switchport trunk encapsulation dot1q

Example

First, here is the trunking information for SW3. Note fa0/19, which is set to ISL.

```
SW3(config-if)#do show int trunkPort Mode Encapsulation Status Native vlan
```

```
Fa0/19 auto isl trunking 1
```

```
Fa0/20 auto n-802.1q trunking 1
```

```
Fa0/21 auto n-802.1q trunking 1
```

```
Fa0/22 auto n-802.1q trunking 1
```

Port Vlans allowed on trunk

```
Fa0/19 1-4094
```

```
Fa0/20 1-4094
```

```
Fa0/21 1-4094
```

```
Fa0/22 1-4094
```

Port Vlans allowed and active in management domain

```
Fa0/19 1,10-20,55,99,555
```

```
Fa0/20 1,10-20,55,99,555
```

```
Fa0/21 1,10-20,55,99,555
```

```
Fa0/22 1,10-20,55,99,555
```

Port Vlans in spanning tree forwarding state and not pruned

```
Fa0/19 none
```

```
Fa0/20 none
```

```
Fa0/21 1,10-11
```

```
Fa0/22 none
```

```
SW3(config-if)#
```

Next, dot1q trunking is enabled on fa0/2 on SW3.

```
SW3(config)#int fa0/2
```

```
SW3(config-if)#switchport trunk encapsulation dot1q
```

Here is the trunking information after making the changes.

```
SW3(config-if)#do show int trunkPort Mode Encapsulation Status Native vlan
```

```
Fa0/19 auto 802.1q trunking 1
```

```
Fa0/20 auto n-802.1q trunking 1
```

```
Fa0/21 auto n-802.1q trunking 1
```

```
Fa0/22 auto n-802.1q trunking 1
```

Port Vlans allowed on trunk

Fa0/19 1-4094

Fa0/20 1-4094

Fa0/21 1-4094

Fa0/22 1-4094

Port Vlans allowed and active in management domain

Fa0/19 1,10-20,55,99,555

Fa0/20

03:12:24: %LINEPROTO-5-UPDOWN: Line1,10-20,55,99,555

Fa0/21 1,10-20,55,99,555

Fa0/22 1,10-20,55,99,555

Port Vlans in spanning tree forwarding state and not pruned

Fa0/19 none

Fa0/20 none

Fa0/21 1,10-11

protocol on Interface FastEthernet0/19, changed state to up

Port Vlans in spanning tree forwarding state and not pruned

Fa0/22 none