

Configure Dual-Line Access for Switch



Overview

Support # Configure Ten-GigabitEthernet 1/0/23 that connects the core switch to the access switch as a trunk port, remove the port from FortiSwitchOS Large.

Key Takeaways

Dual-line access on a Cisco switch can be configured by setting multiple interfaces as access ports, assigning them to the same VLAN, and optionally using interface ranges to apply settings simultaneously. Step 1: Connect to the Switch

Use a console cable and a terminal program like PuTTY to connect to the switch. Select the Serial connection type, enter the COM port, set the speed (typically 115200 for 300/500 Series), 8 data bits, 1 stop bit, no parity, and no flow control, then open the session to access the CLI .

Step 2: Enter Configuration Mode

From the CLI, enter privileged EXEC mode:

enableconfigure terminal Step 3: Configure Access Ports

To configure multiple ports for dual-line access, assign them as access ports and place them in the desired VLAN. For example, to configure GigabitEthernet 1/0/3 and 1/0/4:

```
interface range GigabitEthernet1/0/3 - 4switchport mode accessswitchport access
vlan 10
```

This ensures both ports carry traffic for VLAN 10 . You can also separate non-contiguous ports with commas:

```
interface range GigabitEthernet1/0/3, GigabitEthernet1/0/5
switchport mode access
switchport access vlan 10
```

Step 4: Verify Configuration

Check the port status and VLAN assignment:

```
show running-config
show vlan brief
```

Ensure the interfaces are in access mode and assigned to the correct VLAN.

Step 5: Save Configuration

To make the configuration persistent across reboots:

```
write memory
```

or

```
copy running-config startup-config
```

Optional: Redundancy or Load Sharing

If dual-line access is intended for redundancy or load sharing, consider using EtherChannel to bundle multiple access ports into a single logical link. This provides higher throughput and failover capabilities.

Notes

- Access ports carry traffic for a single VLAN only; any tagged traffic from other VLANs will be dropped .
- Using the interface range command saves time when configuring multiple ports simultaneously .
- Avoid dynamic trunking modes for security and predictability; explicitly set ports to access mode for end devices . By following these steps, you can configure dual-line access on a Cisco switch efficiently, ensuring both ports are active, assigned to the correct VLAN, and ready for end devices or redundancy setups.

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