

Verifying That Layer 3 Subinterfaces Are Working

Purpose After configuring Layer 3 subinterfaces, verify they are set up properly and transmitting data.

- Action**
1. Use the `show interfaces` command to determine if you successfully created the subinterfaces and the links are up:

```
user@switch> show interfaces ge-chassis/slot/port terse
```

Interface	Admin	Link	Proto	Local	Remote
ge-0/0/0	up	up			
ge-0/0/0.0	up	up	inet	1.1.1.1/24	
ge-0/0/0.1	up	up	inet	2.1.1.1/24	
ge-0/0/0.2	up	up	inet	3.1.1.1/24	
ge-0/0/0.3	up	up	inet	4.1.1.1/24	
ge-0/0/0.4	up	up	inet	5.1.1.1/24	
ge-0/0/0.32767	up	up			

2. Use the `ping` command from a device on one subnet to an address on another subnet to determine if packets were transmitted correctly on the subinterface VLANs:

```
user@switch> ping ip-address
```

```
PING 1.1.1.1 (1.1.1.1): 56 data bytes
64 bytes from 1.1.1.1: icmp_seq=0 ttl=64 time=0.157 ms
64 bytes from 1.1.1.1: icmp_seq=1 ttl=64 time=0.238 ms
64 bytes from 1.1.1.1: icmp_seq=2 ttl=64 time=0.255 ms
64 bytes from 1.1.1.1: icmp_seq=3 ttl=64 time=0.128 ms
--- 1.1.1.1 ping statistics ---
4 packets transmitted, 4 packets received, 0% packet loss
```

Meaning The output confirms that the subinterfaces are created and the links are up.

- Related Topics**
- Configuring a Layer 3 Subinterface (CLI Procedure)
 - Example: Configuring Layer 3 Subinterfaces for a Distribution Switch and an Access Switch

