

DES-3528/52 R2 code can support 16 IP interfaces, but it cannot support Local interface routing.

DES-3528's static route is done by HW ACL. The chipset itself does not have routing table. That's why it has some limitations:

1. Once you create multiple vlans/interfaces, clients on those subnets can not communicate with each other. This is different than other dlink switches.
2. The next hop address of a route entry can not be one of the IP interfaces of the switch.

The static route can work in below scenrio:

PC1(4.4.4.4/24)------(4.4.4.253/24)Router(1.1.1.253/24)------(1.1.1.254/24,v1)Switch (2.2.2.254/24, v2)------(2.2.2.253/24)Router(3.3.3.253/24)-----PC2(3.3.3.3/24)

On the switch:

```
create iproute 3.3.3.0/24 2.2.2.253/24 1
create iproute 4.4.4.0/24 1.1.1.253/24 1
```

Since it has some limitations, we shall carefully market it. By the way, R2 does not support static route ('create iproute' command).