**CTRL-SHIT+F6 Befehlsabbruch bei CISO Geräten**

switch#sh ip int brief

switch#sh vlan

**Router mit vier physikalischen Ports / mit einem physikalischen Port und vier Subinterfaces und dezidiertem DHCP Server an Switch, an Router**

Router> en

Router# config t

Router(config)no ip domain-lookup

Router(config)ip routing

Router(config)#int f0/0

Router(config-if)ip address 192.168.10.1 255.255.255.0

Router(config-if)# no shutdown

Router(config)#int f0/1

Router(config-if)ip address 192.168.20.1 255.255.255.0

Router(config-if)# no shutdown

Router(config)#int f1/0

Router(config-if)ip address 192.168.30.1 255.255.255.0

Router(config-if)# no shutdown

**Router mit einem physikalischen Port und vier virtuellen Subinterfaces**

Router> en

Router# config t

Router(config)no ip domain-lookup

Router(config)ip routing

Router(config)#int f0/0.10

Router(config-if)encapsulation dot1Q 10

Router(config-if)ip address 192.168.10.1 255.255.255.0

Router(config)int f0/0

Router(config-if)no shutdown

Router(config)# ip dhcp excluded-address 192.168.10.1 192.168.10.9

Router(config)# ip dhcp excluded-address 192.168.20.1 192.168.20.9

Router(config)# ip dhcp excluded-address 192.168.30.1 192.168.30.9

Router(config)#ip dhcp pool VLAN10

Router(dhcp-config)#network 192.168.10.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.10.1

Router(dhcp-config)#exit

Router(config)#ip dhcp pool VLAN20

Router(dhcp-config)#network 192.168.20.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.20.1

Router(dhcp-config)#exit

Router(config)#ip dhcp pool VLAN30

Router(dhcp-config)#network 192.168.30.0 255.255.255.0

Router(dhcp-config)#default-router 192.168.30.1

Router(dhcp-config)#exit

**Layer 3 switch**

Switch> en

Switch#conf t

Switch(config)#no ip domain-lookup

Switch(config)ip routing

Switch(config)int vlan 10

Switch(config-if)ip address 192.168.10.1 255.255.255.0

Switch(config-if)no shutdown

Switch(config-if)exit

Switch(config)int vlan 99

Switch(config-if)ip address 192.168.99.1 255.255.255.0

Switch(config-if)no shutdown

Switch(config-if)exit

Switch(config)# ip dhcp excluded-address 192.168.10.1 192.168.10.9

Switch(config)# ip dhcp excluded-address 192.168.20.1 192.168.20.9

Switch(config)# ip dhcp excluded-address 192.168.30.1 192.168.30.9

Switch(config)#ip dhcp pool VLAN10

Switch(dhcp-config)#network 192.168.10.0 255.255.255.0

Switch(dhcp-config)#default-router 192.168.10.1

Switch(dhcp-config)#exit

Switch(config)#ip dhcp pool VLAN20

Switch(dhcp-config)#network 192.168.20.0 255.255.255.0

Switch(dhcp-config)#default-router 192.168.20.1

Switch(dhcp-config)#exit

Switch(config)#ip dhcp pool VLAN30

Switch(dhcp-config)#network 192.168.30.0 255.255.255.0

Switch(dhcp-config)#default-router 192.168.30.1

Switch(dhcp-config)#exit

Switch(config)#exit

Switch#copy run start