

# Configurazione di Rete

## Configurazione switch

```
enable
#configure terminal
#hostname SW1
#vlan 10
#name studenti
exit
```

```
show vlan
```

## Assegnamento VLAN alle porte switch

```
#configure terminal
#interface F0/1
#switchport access vlan 10
exit
```

## Porte Trunk o up-link

```
#configure terminal
#interface F0/3
#switchport mode trunk
exit
```

## Configurazione Router

```
enable
#configure terminal
#interface FastEthernet0/0.1
#encapsulation dot1q 10
#ipaddress 192.168.0.1 255.255.255.0
//per le altre interfacce:
#interface FastEthernet0/0.2
#encapsulation dot1q 20
#ipaddress 192.168.1.1 255.255.255.0
...
#interface FastEthernet 0/0
#no shutdown
exit
```

```
show controllers S0/0
// se é un cavo dalla parte DCE
#interface S0/0
#clock rate 64000
exit
```

## DHCP

```
#ip dhcp pool studenti
#network 192.168.0.0 255.255.255.0
#default-router 192.168.0.1
#lease 7
exit
```

```
ipconfig/all
```

## RIP

```
#configure terminal
#router rip
#network 10.0.0.0
#network 10.0.1.0
#network 192.168.0.0
#network 192.168.1.0
exit
```

## NAT

```
//interfaccia F0/0 rivolta all'interno
//interfaccia F0/1 é pubblica
#configure terminal
#interface F0/0
#ipaddress 192.168.6.1 255.255.255.0
#ip nat inside
#no shutdown
exit
```

```
#configure terminal
#interface F0/1
#ip address 10.10.10.1 255.255.255.0
#ip nat outside
#no shutdown
exit
//per farlo dinamico:
#ip nat pool servizi 10.10.10.1
    10.10.10.1 prefix-length 24
#access-list 1
    permit 192.168.6.0 0.0.0.255
#ip nat inside source 1
    pool servizi overload
```