

Configurazione e reset dispositivi

- **Reset Switch**

```
// Spegnerre lo switch
// Accendere lo switch tenendo premuto il tasto MODE per 5 secondi

switch: flash_init
switch: del flash:config.text
Are you sure you want to delete "flash:config.text" (y/n)? y
switch: del flash:vlan.dat
Are you sure you want to delete "flash:vlan.dat" (y/n)? y
switch: boot

Would you like to enter the initial configuration dialog? [yes/no]: no
```

- **Reset Router**

```
// Spegnerre il router
// Accendere il router e premere Alt+B
rommon 1 > confreg 0x2142
rommon 2 > reset

// Il router si riavvia

Router> enable
Router# write erase
Router# configure terminal
Router(config)# config-register 0x2102
Router(config)# end
```

- **Impostare password dispositivo**

```
Switch> enable
Switch# configure terminal
Switch(config)# line console 0
Switch(config-line)# password [password]
Switch(config-line)# login
```

- **Impostare password privileged EXEC mode**

```
Switch> enable
Switch# configure terminal
Switch(config)# enable secret [password]
```

- **Crittografare password**

```
Switch> enable
Switch# configure terminal
Switch(config)# service password-encryption
```

- **Salvare running-config**

```
Switch> enable
Switch# copy running-config startup-config
```

- **Copia configurazione in TFTP**

```
Switch> enable
Switch# copy running-config tftp:
Address or name of remote host []? [ip]
Destination filename []? [filename]
```

- **Scarica configurazione da TFTP**

```
Switch> enable
Switch# copy tftp: running-config
Address or name of remote host []? [ip]
Source filename []? [filename]
Destination filename [running-config]? [INVI0]

// SALVARE nella startup-config e poi reload
```

- **Copia vlan.dat in TFTP**

```
Switch> enable
Switch# copy flash: tftp:
Source filename []? vlan.dat
```

```
Address or name of remote host []? [ip]  
Destination filename [vlan.dat]? [filename]
```

- [Scarica vlan.dat da TFTP](#)

```
Switch> enable  
Switch# copy tftp: flash:  
Address or name of remote host []? [ip]  
Source filename []? [filename]  
Destination filename []? vlan.dat  
  
// RELOAD
```

VLAN

Switch

- [Creazione VLAN](#)

```
Switch> enable  
Switch# configure terminal  
Switch(config)# vlan [numero]  
Switch(config-vlan)# name [nome]
```

- [Impostare interfaccia in mode access](#)

```
Switch> enable  
Switch# configure terminal  
Switch(config)# interface [interfaccia]  
Switch(config-if)# switchport access vlan [numero]  
Switch(config-if)# no shutdown
```

- [Impostare interfaccia in mode trunk](#)

```
Switch> enable  
Switch# configure terminal  
Switch(config)# interface [interfaccia]  
Switch(config-if)# switchport trunk encapsulation dot1Q // Non è detto  
serva
```

```
Switch(config-if)# switchport mode trunk
Switch(config-if)# no shutdown
```

- **Impostare VLAN permesse in trunk**

```
Switch> enable
Switch# configure terminal
Switch(config)# interface [interfaccia]
Switch(config-if)# switchport trunk allowed vlan [numero_1],
[numero_2], ...
```

Router

- **Creazione sub-interface**

```
Router> enable
Router# configure terminal

// Accendere l'interfaccia principale
Router(config)# interface [interfaccia]
Router(config-if) no shutdown

Router(config)# interface [interfaccia].[numero]
Router(config-subif)# encapsulation dot1Q [numero]
Router(config-subif)# ip address 192.168.[numero].254 255.255.255.0
```

- **Creazione DHCP pool**

```
Router> enable
Router# configure terminal
Router(config)# ip dhcp pool [nome]
Router(dhcp-config)# network 192.168.[numero].0 255.255.255.0
Router(dhcp-config)# default-router 192.168.[numero].254
```

- **Esclusione IP da DHCP pool**

```
Router> enable
Router# configure terminal
Router(config)# ip dhcp excluded-address 192.168.[numero].254
```

Comandi utili

```
Switch> enable  
Switch# show running-config
```

```
Switch> enable  
Switch# show vlan brief
```