

# Commandes de base

## Passer en mode privilégié

Par défaut, on entre en privilège 1 qui donne accès à des commandes très basiques.

```
switch>show privilege
Current privilege level is 1
switch>
```

Passer en privilège maximum 15 :

```
switch>
switch>enable
switch#sh pri
Current privilege level is 15
switch#
```

## Passer en mode de configuration et le quitter

```
switch#
switch#configure terminal
switch(config)#
switch(config)#exit
switch#
```

## Sauvegarder la configuration

```
switch#copy running-config startup-config
```

La startup-config se trouve dans la nvram alors que la running-config se trouve dans la ram. En copiant la configuration de la running-config dans la startup-config, on écrit la conf dans la mémoire non volatile.

ou

```
switch#write memory
```

## Afficher la configuration

```
switch#show running-config
```

## Redémarrer le switch

```
switch#reload
```

## Renommer le switch

```
switch#  
switch#conf t  
switch(config)#hostname Maquette  
Maquette(config)#
```

## Attribuer une adresse IP

```
switch#  
switch#conf t  
switch(config)#interface vlan1  
switch(config-if)#ip address 192.168.1.100 255.255.255.0  
switch(config-if)#exit  
switch(config)#exit  
switch#
```

## Passerelle par défaut

```
switch(config)#ip default-gateway 192.168.1.1
```

## Serveur DNS

```
switch(config)#ip name-server 192.168.1.1
```

## Supprimer la configuration

```
switch#erase startup-config
```

## Pour compléter automatiquement une commande, utiliser la touche TAB

```
switch(config)#inter  
switch(config)#interface  
switch(config)#interface gig  
switch(config)#interface GigabitEthernet0/0
```

## Désactiver le DNS lookup pour ne pas attendre lors d'une mauvaise commande

```
switch(config)#no ip domain-lookup
```

## Supprimer une ligne ou un paramètre

```
switch(config)#no vlan
switch(config)#no ntp server 194.2.0.28
switch(config)#no ip address
```

Ajouter "no" devant la ligne pour l'effacer de la configuration

## Pour afficher l'aide, utiliser le ? après une commande

```
3750#?
Exec commands:
  access-enable   Create a temporary Access-List entry
  access-template Create a temporary Access-List entry
  archive         manage archive files
  cd              Change current directory
  clear           Reset functions
  clock          Manage the system clock
  cns            CNS agents
  configure       Enter configuration mode
  connect        Open a terminal connection
  copy           Copy from one file to another
  debug          Debugging functions (see also 'undebug')
  delete         Delete a file
  dir            List files on a filesystem
  disable        Turn off privileged commands
  disconnect     Disconnect an existing network connection
  dot1x          IEEE 802.1X Exec Commands
  enable         Turn on privileged commands
  eou           EAPoUDP
  erase          Erase a filesystem
  ethernet       Ethernet parameters
  exit           Exit from the EXEC
--More--
```

## Afficher l'état des interfaces

```
3750#sh ip int brief
Interface                IP-Address      OK? Method Status          Protocol
```

```

Vlan1                172.16.3.200    YES NVRAM  up          up
FastEthernet1/0/1    unassigned      YES unset   up          up
FastEthernet1/0/2    unassigned      YES unset   down        down
FastEthernet1/0/3    unassigned      YES unset   down        down
FastEthernet1/0/4    unassigned      YES unset   down        down
FastEthernet1/0/5    unassigned      YES unset   down        down
FastEthernet1/0/6    unassigned      YES unset   down        down
FastEthernet1/0/7    unassigned      YES unset   down        down
FastEthernet1/0/8    unassigned      YES unset   down        down
FastEthernet1/0/9    unassigned      YES unset   down        down
FastEthernet1/0/10   unassigned      YES unset   down        down
FastEthernet1/0/11   unassigned      YES unset   down        down
FastEthernet1/0/12   unassigned      YES unset   down        down
FastEthernet1/0/13   unassigned      YES unset   down        down
FastEthernet1/0/14   unassigned      YES unset   down        down
FastEthernet1/0/15   unassigned      YES unset   down        down
FastEthernet1/0/16   unassigned      YES unset   down        down
FastEthernet1/0/17   unassigned      YES unset   down        down
FastEthernet1/0/18   unassigned      YES unset   down        down
FastEthernet1/0/19   unassigned      YES unset   down        down
FastEthernet1/0/20   unassigned      YES unset   down        down
FastEthernet1/0/21   unassigned      YES unset   down        down
FastEthernet1/0/22   unassigned      YES unset   down        down
FastEthernet1/0/23   unassigned      YES unset   up          up
FastEthernet1/0/24   unassigned      YES unset   up          up
GigabitEthernet1/0/1 unassigned      YES unset   down        down
GigabitEthernet1/0/2 unassigned      YES unset   down        down
GigabitEthernet1/1/1 unassigned      YES unset   down        down
GigabitEthernet1/1/2 unassigned      YES unset   down        down
3750#

```

## Inventaire

```

Switch#show inventory
NAME: "1", DESCR: "ME-C3750-24TE"
PID: ME-C3750-24TE-M , VID: V07, SN: FD01521Y24L

NAME: "GigabitEthernet1/1/1", DESCR: "1000BaseSX SFP"
PID: , VID: , SN: OP10G53E1584

```

NAME: "GigabitEthernet1/1/2", DESCR: "1000BaseSX SFP"

PID: , VID: , SN: H11S478

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