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Cisco Switch

: <https://cdn.technet24.ir/Downloads/Cisco/IOS/>

ROMMON Mode

```

Rommon mode
mode
rommon mode
가 BAUD RATE

```

```

switch: set BAUD 115200

// 115200

switch: set
BAUD=115200
BOOT=flash:c3750-ipservicesk9-mz.122-55.SE12/c3750-ipservicesk9-
mz.122-55.SE12.bin
CLEI_CODE_NUMBER=CNMWZ00ARC
MAC_ADDR=00:21:1B:96:4A:00
MANUAL_BOOT=no
MODEL_NUM=WS-C3750G-24TS-E1U
MODEL_REVISION_NUM=E0
MOTHERBOARD_ASSEMBLY_NUM=73-10219-07
MOTHERBOARD_REVISION_NUM=B0
MOTHERBOARD_SERIAL_NUM=FOC12132ZU5
POWER_SUPPLY_PART_NUM=341-0098-02
POWER_SUPPLY_SERIAL_NUM=DCA1205948Z
SDM_TEMPLATE_ID=0
SWITCH_NUMBER=1
SWITCH_PRIORITY=1
SYSTEM_SERIAL_NUM=FOC1213Y12J
TAN_NUM=800-27484-01
TAN_REVISION_NUMBER=C0
VERSION_ID=V03

```

```

VLAN 가 vlan.dat delete vlan.dat
erase start reload
reload no

```

```
#del vlan.dat  
#erase start  
#reload  
no
```

```
switch#>show version //  
switch#>show interface vlan //  
switch#>show running-config //
```

```
R1# show flash -> Flash  
R1# show ip route ->  
R1# show ip interface brief ->  
R1# show interface [Interface Name] ->  
R1# show controllers [Interface Name] ->  
  
R1# show cdp neighbor ->  
R1# show cdp neighbor detail -> IP  
  
R1# show running-config -> Running-Config (RAM)  
R1# show startup-config -> Startup-Config (NVRAM)  
  
R1# copy running-config startup-config -> RAM NVRAM  
R1# erase startup-config -> NVRAM
```

IP

```
Switch# configure terminal  
Switch(config)# interface vlan 1  
Switch(config-if)# ip address 192.168.1.2 255.255.255.0  
Switch(config-if)# no shutdown  
Switch(config-if)# exit  
Switch(config)# ip default-gateway 192.168.1.1
```

```
DHCP 1. interface vlan 1 VLAN 1  
. 2. ip address dhcp IP . 3. no shutdown  
VLAN 1 가 . 4  
  
가 dhcp IP show running-config IP  
. show dhcp lease show interface vlan 1 IP
```

Timestamp

```
# conf t
(config) # service timestamps debug datetime localtime // debug
(config) # service timestamps log deatetime localtime // log
```

```
# sh clock //
# clock set 13:13:13 april 20 2020 //
# clock timezone kst 9 // ( )

# conf t
(config) # ntp server time.bora.net // NTP (boranet)
# sh ntp status // NTP
```

-

가

```
gmate(config)# line 0 16
gmate(config-line)# logg sync
```

-

```
gmate(config)#line console 0
gmate(config-line)# exec-timeout 0
```

-

```
gmate(config)# enable secret switch
```

switch

-

```
gmate#show line
```

VTY

```
gmate(config)#line vty 0 15  
gmate(config-line)# password switch
```

0~ 15

가 switch

-

```
gmate#show runnign-config
```

- vty

```
gmate(config)#service password-encryption
```

-

```
gmate(config)#banner motd *  
Authonized access only!!  
*
```

*

-

```
gmate(config)# default-value exec-character-bits 8  
gmate(config)# banner motd *  
가 !!  
*  
gmate(config)#
```

-

```
gmate(config)# interface f 1/0/1  
gmate(config)# description gmate1  
gmate(config)# interface f 1/0/2  
gmate(config)# description gmate2
```

-

```
enable  
config terminal  
no ip domain-lookup  
enable secret $gm@te2oo8  
  
alias exec c config terminal
```

```
alias exec r show running-config
alias exec i show ip route
alias exec b show ip interface brief

line consol 0
logging synch
exec-timeout 0
lin vty 0 5
pass $gm@te2008
exit
hostname
```

DNS

```
cisco(config)#
cisco(config)#ip domain-lookup
cisco(config)#ip name-server 210.20.64.21
```

-

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

- stp

```
Switch# show spanning-tree
Switch# show spanning-tree vlan [num]
Switch# show spanning-tree vlan [num] detail
```

-

```
Switch# show interface status
```

- link aggregation

```
Switch(config)# int port-channel 1
Switch(config-if)# int range gi 1/0/5-6
// chnnel-group 1 mode on
channel-group 1 mode active

Switch(config-if)# channel-proto lacp
Switch(config-if)# exit
```

```
Switch(config)# int port-channel 1  
Switch(config-if)# switchport mode access  
Switch(config-if)# switchport access vlan 10
```

```
Switch# show lacp neighbor
```

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