

Cisco Switch 3

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IP 3

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Cisco Switch

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

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

Timestamp

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

</WRAP prewrap>

```
# 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 *
Authorized 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 breif

line consol 0
logging synch
exec-timeout 0
lin vty 0 5
pass $gm@te2oo8
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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Last update: **2022/04/22 07:32**

