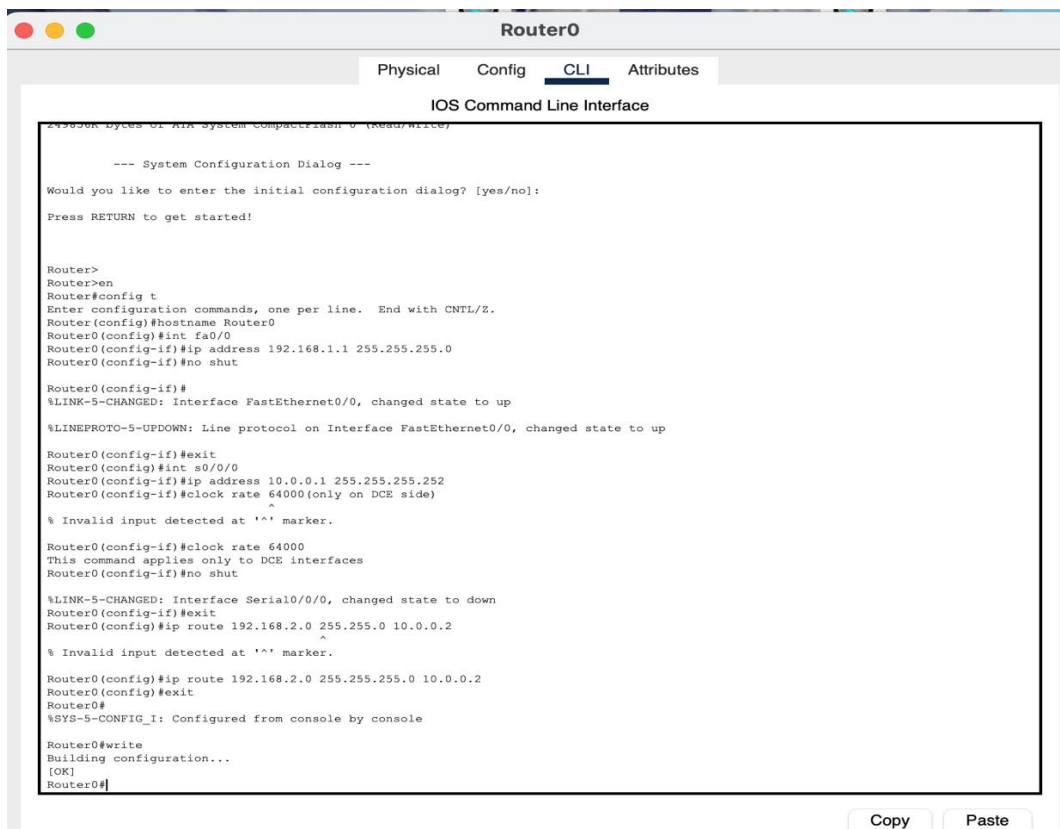


## ROUTER 0

```
Router>
Router>en
Router#config t
Router(config)#hostname Router0
Router0(config)#int fa0/0
Router0(config-if)#ip address 192.168.1.1 255.255.255.0
Router0(config-if)#no shut
Router0(config-if)#exit
Router0(config)#int s0/0/0
Router0(config-if)#ip address 10.0.0.1 255.255.255.252
Router0(config-if)#clock rate 64000
Router0(config-if)#no shut
Router0(config-if)#exit
Router0(config)#ip route 192.168.2.0 255.255.255.0 10.0.0.2
Router0(config)#exit
Router0#write
Building configuration...
[OK]
Router0#
```



## ROUTER 1

```
Router>en
Router#config t
Router(config)#hostname Router1
Router1(config)#int f0/0
Router1(config-if)#ip address 192.168.2.1 255.255.255.0
Router1(config-if)#no shut
Router1(config-if)#int s0/0/1
Router1(config-if)#ip address 10.0.0.2 255.255.255.252
Router1(config-if)#no shut
Router1(config)#ip route 192.168.1.0 255.255.255.0 10.0.0.1
Router1(config)#exit
Router1#write
Building configuration...
[OK]
Router1#
```

Router1

PhysicalConfigCLIAttributes

IOS Command Line Interface

```
cisco 2811 (MPC860) processor (revision 0x200) with 60416K/5120K bytes of memory
Processor board ID JAD05190MTZ (4292891495)
2 FastEthernet interface(s)
2 Low-speed serial(sync/async) network interface(s)
DRAM configuration is 64 bits wide with parity disabled.
255K bytes of non-volatile configuration memory.
249856K bytes of ATA System CompactFlash 0 (Read/Write)

--- System Configuration Dialog ---

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

Press RETURN to get started!

Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname Router1
Router1(config)#int f0/0
Router1(config-if)#ip address 192.168.2.1 255.255.255.0
Router1(config-if)#no shut

Router1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router1(config-if)#int s0/0/1
Router1(config-if)#ip address 10.0.0.2 255.255.255.252
Router1(config-if)#no shut

Router1(config-if)#
%LINK-5-CHANGED: Interface Serial0/0/1, changed state to up
exit
Router1(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up

Router1(config)#ip route 192.168.1.0 255.255.255.0 10.0.0.1
Router1(config)#exit
Router1#
%SYS-5-CONFIG_I: Configured from console by console

Router1#write
Building configuration...
[OK]
Router1#
```

CopyPaste

## SWITCH 0

Switch>en

Switch#config t

Switch(config)#hostname Switch0

Switch0(config)#int vlan 1

Switch0(config-if)#ip address 192.168.1.2 255.255.255.0

Switch0(config-if)#no shut

Switch0(config-if)#exit

Switch0(config)#ip default-gateway 192.168.1.1

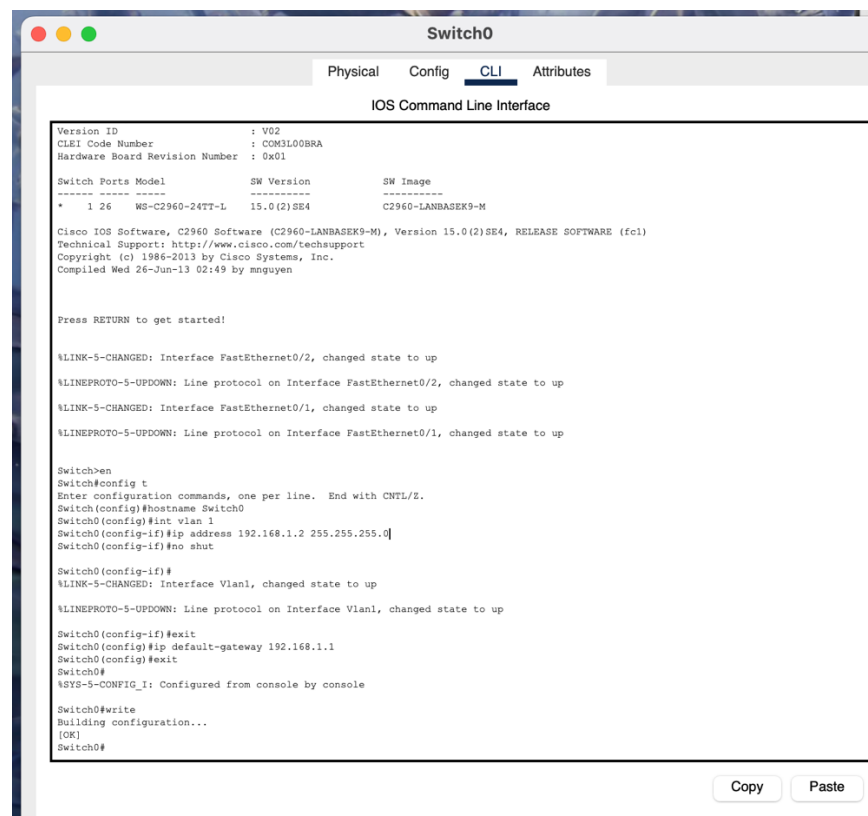
Switch0(config)#exit

Switch0#write

Building configuration...

[OK]

Switch0#



## SWITCH 1

Switch>en

Switch#config t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname Switch1

Switch1(config)#int vlan 1

Switch1(config-if)#ip address 192.168.2.2 255.255.255.0

Switch1(config-if)#no shut

Switch1(config-if)#exit

Switch1(config)#ip default-gateway 192.168.2.1

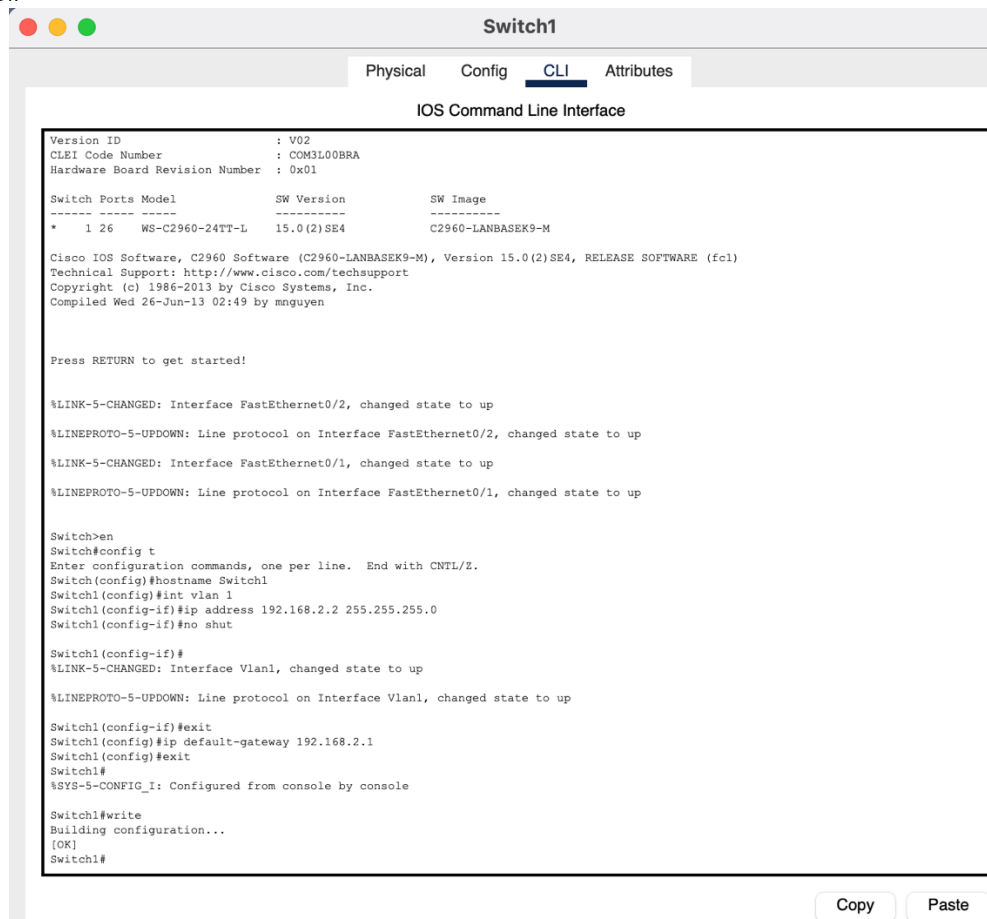
Switch1(config)#exit

Switch1#write

Building configuration...

[OK]

Switch1#



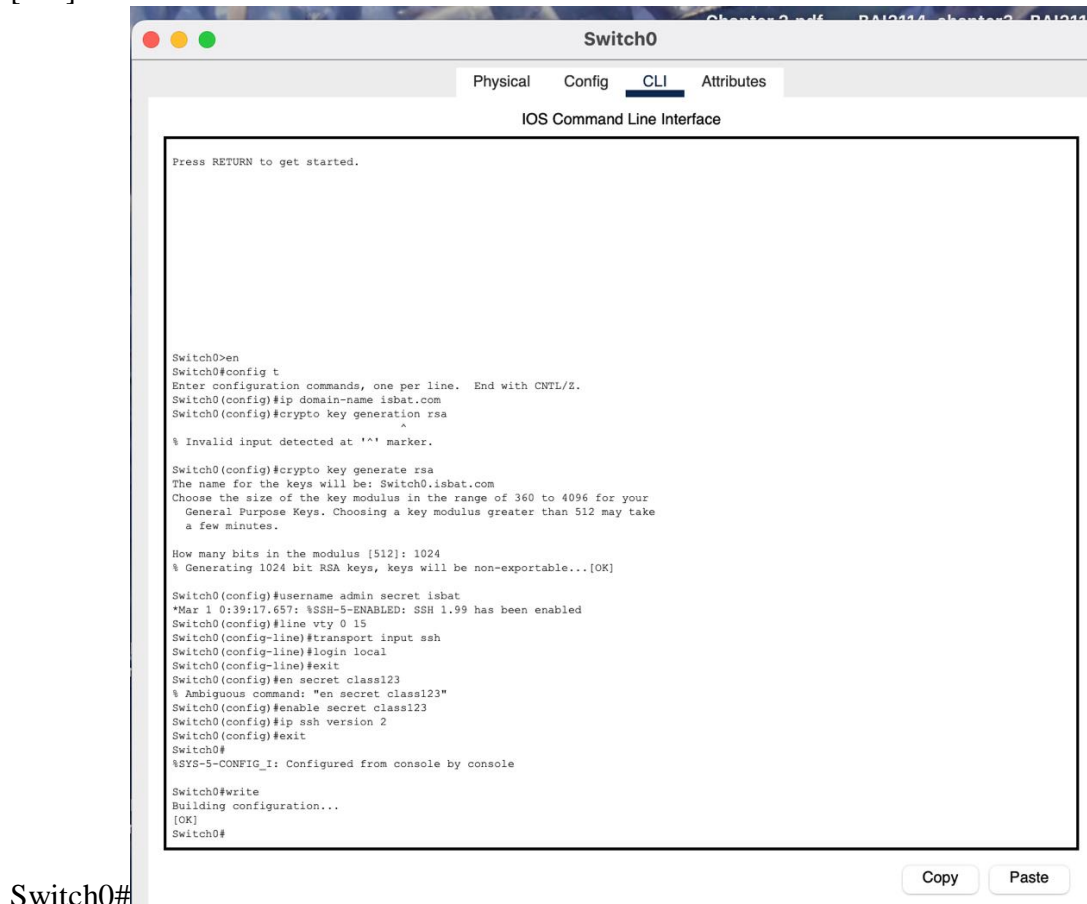
The screenshot shows a web-based interface for a Cisco switch named 'Switch1'. The 'CLI' tab is selected, displaying the 'IOS Command Line Interface'. The interface shows the following sequence of commands and responses:

```
Switch1#
Switch1>en
Switch1#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch1(config)#hostname Switch1
Switch1(config)#int vlan 1
Switch1(config-if)#ip address 192.168.2.2 255.255.255.0
Switch1(config-if)#no shut
Switch1(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up
Switch1(config-if)#exit
Switch1(config)#ip default-gateway 192.168.2.1
Switch1(config)#exit
Switch1#
%SYS-5-CONFIG_I: Configured from console by console
Switch1#write
Building configuration...
[OK]
Switch1#
```

At the bottom right of the interface, there are 'Copy' and 'Paste' buttons.

## Configuring secure remote access(ssh)on Switch 0

```
Switch0>en
Switch0#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch0(config)#ip domain-name isbat.com
Switch0(config)#crypto key generate rsa
How many bits in the modulus [512]: 1024
Switch0(config)#username admin secret isbat
Switch0(config)#line vty 0 15
Switch0(config-line)#transport input ssh
Switch0(config-line)#login local
Switch0(config-line)#exit
Switch0(config)#enable secret class123
Switch0(config)#ip ssh version 2
Switch0(config)#exit
Switch0#write
Building configuration...
[OK]
```



Switch0#

## Ping

```
Minimum = 1ms, Maximum = 2ms, Average = 1ms

C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=2ms TTL=253
Reply from 192.168.1.2: bytes=32 time=1ms TTL=253
Reply from 192.168.1.2: bytes=32 time=1ms TTL=253
Reply from 192.168.1.2: bytes=32 time=1ms TTL=253

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 2ms, Average = 1ms

C:\>
```

## varification

```
C:\>ssh -l admin 192.168.1.2
Invalid Command.

C:\>isbat
Invalid Command.

C:\>isbat
Invalid Command.

C:\>|
```

