دانشگاه صنعتی اصفهان

دانشکده مهندسی برق و کامپیوتر

عنوان: تکلیف هشتم آزمایشگاه شبکه‌های کامپیوتری

نام و نام خانوادگی: علیرضا ابره فروش

شماره دانشجویی: ۹۸۱۶۶۰۳

نیم سال تحصیلی: بهار ۱۴۰۰/۱۴۰۱

١

---- txt file ----

```
PT3000 Boot Loader PT3000-HBOOT-M Version 12.111rEA1, RELEASE SOFTWARE fc1
Compiled Mon 22-Jul-02 18:57 by miwang
Cisco WS-CSwitch-PT RC32300 processor revision C0 with 21039K bytes of memory.
Switch-PT starting...
Base ethernet MAC Address: 0030.A344.B887
Xmodem file system is available.
Initializing Flash...
flashfs[0]: 1 files, 0 directories
flashfs[0]: 0 orphaned files, 0 orphaned directories
flashfs[0]: Total bytes: 64016384
flashfs[0]: Bytes used: 3117390
flashfs[0]: Bytes available: 60898994
flashfs[0]: flashfs fsck took 1 seconds.
...done Initializing Flash.

Boot Sector Filesystem bs: installed, fsid: 3
Parameter Block Filesystem pb: installed, fsid: 4


Loading "flash:/pt3000-i6q4l2-mz.121-22.EA4.bin"...
######################################################################### [OK]
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        cisco Systems, Inc.
        170 West Tasman Drive
        San Jose, California 95134-1706



Cisco Internetwork Operating System Software
IOS tm PT3000 Software PT3000-I6Q4L2-M, Version 12.122EA4, RELEASE SOFTWARE fc1
Copyright c 1986-2006 by cisco Systems, Inc.
Compiled Fri 12-May-06 17:19 by pt_team
```

```
Cisco WS-CSwitch-PT RC32300 processor revision C0 with 21039K bytes of memory.
Processor board ID FHK0610Z0WC
Running Standard Image
6 FastEthernet/IEEE 802.3 interfaces


63488K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address: 0030.A344.B887
Motherboard assembly number: 73-5781-09
Power supply part number: 34-0965-01
Motherboard serial number: FOC061004SZ
Power supply serial number: DAB0609127D
Model revision number: C0
Motherboard revision number: A0
Model number: WS-CSwitch-PT
System serial number: FHK0610Z0WC


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Press RETURN to get started!



%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet1/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/1, changed state to up
%SPANTREE-2-RECV_PVID_ERR: Received 802.1Q BPDU on non trunk FastEthernet0/1 VLAN1.

%SPANTREE-2-BLOCK_PVID_LOCAL: Blocking FastEthernet0/1 on VLAN0001. Inconsistent port type.


%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%SPANTREE-2-RECV_PVID_ERR: Received 802.1Q BPDU on non trunk FastEthernet1/1 VLAN1.

%SPANTREE-2-BLOCK_PVID_LOCAL: Blocking FastEthernet1/1 on VLAN0001. Inconsistent port type.


%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/1, changed state to down
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/1, changed state to up


Switch>
Switch>en
Switch#conf
Switch#configure t
Enter configuration commands, one per line.  End with CNTL/Z.
Switchconfig#vlan 1
Switchconfig-vlan#vlan 2
Switchconfig-vlan#no vlan 2
Switchconfig#vlan 2
Switchconfig-vlan#exit
Switchconfig#vlan 3
Switchconfig-vlan#exit
Switchconfig#in
Switchconfig#interface fa
Switchconfig#interface fastEthernet 2/1
Switchconfig-if#sw
Switchconfig-if#switchport mode tr
Switchconfig-if#switchport mode trunk
Switchconfig-if#sw
Switchconfig-if#switchport tr
Switchconfig-if#switchport trunk al
Switchconfig-if#switchport trunk allowed vlan 1,2,3
Switchconfig-if#exit
Switchconfig#
%LINK-5-CHANGED: Interface FastEthernet2/1, changed state to up


%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet2/1, changed state to up


Switchconfig#
Switchconfig#
Switchconfig#
Switchconfig#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
exit
```

```
Switch con0 is now available




Press RETURN to get started.










Switch>en
Switch#write mem
Building configuration...
[OK]
Switch#
Switch#
Switch#
Switch#
Switch#
```

`txt file`

```
PT3000 Boot Loader PT3000-HBOOT-M Version 12.111rEA1, RELEASE SOFTWARE fc1
Compiled Mon 22-Jul-02 18:57 by miwang
Cisco WS-CSwitch-PT RC32300 processor revision C0 with 21039K bytes of memory.
Switch-PT starting...
Base ethernet MAC Address: 0002.16CC.5BB3
Xmodem file system is available.
Initializing Flash...
flashfs[0]: 1 files, 0 directories
flashfs[0]: 0 orphaned files, 0 orphaned directories
```

```
flashfs[0]: Total bytes: 64016384
flashfs[0]: Bytes used: 3117390
flashfs[0]: Bytes available: 60898994
flashfs[0]: flashfs fsck took 1 seconds.
...done Initializing Flash.

Boot Sector Filesystem bs: installed, fsid: 3
Parameter Block Filesystem pb: installed, fsid: 4


Loading "flash:/pt3000-i6q4l2-mz.121-22.EA4.bin"...
######################################################################## [OK]
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Cisco Internetwork Operating System Software
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Compiled Fri 12-May-06 17:19 by pt_team


Cisco WS-CSwitch-PT RC32300 processor revision C0 with 21039K bytes of memory.
Processor board ID FHK0610Z0WC
Running Standard Image
6 FastEthernet/IEEE 802.3 interfaces


63488K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address: 0002.16CC.5BB3
Motherboard assembly number: 73-5781-09
Power supply part number: 34-0965-01
Motherboard serial number: FOC061004SZ
Power supply serial number: DAB0609127D
Model revision number: C0
Motherboard revision number: A0
```

```
Model number: WS-CSwitch-PT
System serial number: FHK0610ZOWC

Cisco Internetwork Operating System Software
IOS tm PT3000 Software PT3000-I6Q4L2-M, Version 12.122EA4, RELEASE SOFTWARE fc1
Copyright c 1986-2006 by cisco Systems, Inc.
Compiled Fri 12-May-06 17:19 by pt_team

Press RETURN to get started!


%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet1/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet2/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet2/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet3/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet3/1, changed state to up


Switch>en
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switchconfig#vlan 1
Switchconfig-vlan#exit
Switchconfig#vlan 2
Switchconfig-vlan#exit
Switchconfig#vlan 3
Switchconfig-vlan#exit
Switchconfig#in
Switchconfig#interface fa
Switchconfig#interface fastEthernet 1/1
Switchconfig-if#sw
Switchconfig-if#switchport mo
Switchconfig-if#switchport mode ac
Switchconfig-if#switchport mode access
Switchconfig-if#sw
```

```
Switchconfig-if#switchport ac
Switchconfig-if#switchport access vlan 1
Switchconfig-if#exit
Switchconfig#in
Switchconfig#interface fa
Switchconfig#interface fastEthernet 2/1
Switchconfig-if#switchport mode access
Switchconfig-if#switchport access vlan 2
Switchconfig-if#exit
Switchconfig#in
Switchconfig#interface fa
Switchconfig#interface fastEthernet 3/1
Switchconfig-if#switchport mode access
Switchconfig-if#switchport access vlan 3
Switchconfig-if#exit
Switchconfig#in
Switchconfig#interface fa
Switchconfig#interface fastEthernet 0/1
Switchconfig-if#sw
Switchconfig-if#switchport mode tr
Switchconfig-if#switchport mode trunk

Switchconfig-if#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Switchconfig-if#sw
Switchconfig-if#switchport tr
Switchconfig-if#switchport trunk al
Switchconfig-if#switchport trunk allowed vlan 1,2,3
Switchconfig-if#
```

```
Switch con0 is now available
```

Press RETURN to get started.

```
Switch>
Switch>en
Switch#write mem
Building configuration...
[OK]
Switch#
Switch#
Switch#
Switch#
```

---

txt file

```
PT3000 Boot Loader PT3000-HBOOT-M Version 12.111rEA1, RELEASE SOFTWARE fc1
Compiled Mon 22-Jul-02 18:57 by miwang
Cisco WS-CSwitch-PT RC32300 processor revision C0 with 21039K bytes of memory.
Switch-PT starting...
Base ethernet MAC Address: 0060.2FD7.0D4D
Xmodem file system is available.
Initializing Flash...
flashfs[0]: 1 files, 0 directories
flashfs[0]: 0 orphaned files, 0 orphaned directories
flashfs[0]: Total bytes: 64016384
flashfs[0]: Bytes used: 3117390
flashfs[0]: Bytes available: 60898994
flashfs[0]: flashfs fsck took 1 seconds.
...done Initializing Flash.

Boot Sector Filesystem bs: installed, fsid: 3
Parameter Block Filesystem pb: installed, fsid: 4
```

```
Loading "flash:/pt3000-i6q4l2-mz.121-22.EA4.bin"...
###################################################################### [OK]
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Cisco WS-CSwitch-PT RC32300 processor revision C0 with 21039K bytes of memory.
Processor board ID FHK0610Z0WC
Running Standard Image
6 FastEthernet/IEEE 802.3 interfaces


63488K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address: 0060.2FD7.0D4D
Motherboard assembly number: 73-5781-09
Power supply part number: 34-0965-01
Motherboard serial number: FOC061004SZ
Power supply serial number: DAB0609127D
Model revision number: C0
Motherboard revision number: A0
Model number: WS-CSwitch-PT
System serial number: FHK0610Z0WC


Cisco Internetwork Operating System Software
IOS tm PT3000 Software PT3000-I6Q4L2-M, Version 12.122EA4, RELEASE SOFTWARE fc1
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Compiled Fri 12-May-06 17:19 by pt_team
```

```
Press RETURN to get started!


%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet1/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet2/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet2/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet3/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet3/1, changed state to up


Switch>
Switch>en
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switchconfig#in
Switchconfig#vlan 1
Switchconfig-vlan#exit
Switchconfig#vlan 2
Switchconfig-vlan#exit
Switchconfig#vlan 3
Switchconfig-vlan#exit
Switchconfig#in
Switchconfig#interface fa
Switchconfig#interface fastEthernet 1/1
Switchconfig-if#sw
Switchconfig-if#switchport m
Switchconfig-if#switchport mode ac
Switchconfig-if#switchport mode access
Switchconfig-if#sw
Switchconfig-if#switchport ac
Switchconfig-if#switchport access vlan 1
Switchconfig-if#exit
Switchconfig#in
Switchconfig#interface fa
Switchconfig#interface fastEthernet 2/1
```

```
Switchconfig-if#swi
Switchconfig-if#sw
Switchconfig-if#switchport mo
Switchconfig-if#switchport mode ac
Switchconfig-if#switchport mode access
Switchconfig-if#swi
Switchconfig-if#switchport ac
Switchconfig-if#switchport access vlan 2
Switchconfig-if#exit
Switchconfig#inte
Switchconfig#interface fa
Switchconfig#interface fastEthernet 3/1
Switchconfig-if#sw
Switchconfig-if#switchport mo
Switchconfig-if#switchport mode ac
Switchconfig-if#switchport mode access
Switchconfig-if#sw
Switchconfig-if#switchport ac
Switchconfig-if#switchport access vlan 3
Switchconfig-if#exit
Switchconfig#int
Switchconfig#interface fa
Switchconfig#interface fastEthernet 0/1
Switchconfig-if#sw
Switchconfig-if#switchport m
Switchconfig-if#switchport mode tr
Switchconfig-if#switchport mode trunk

Switchconfig-if#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Switchconfig-if#sw
Switchconfig-if#switchport tr
Switchconfig-if#switchport trunk al
Switchconfig-if#switchport trunk allowed vlan 1,2,3
Switchconfig-if#exit
Switchconfig#
```

```
Switch con0 is now available




Press RETURN to get started.
```

```
Switch>en
Switch#write mem
Building configuration...
[OK]
Switch#
Switch#
Switch#
Switch#
```

---

txt file

```
System Bootstrap, Version 15.14M4, RELEASE SOFTWARE fc1
Technical Support: http://www.cisco.com/techsupport
Copyright c 2010 by cisco Systems, Inc.
Total memory size = 512 MB - On-board = 512 MB, DIMM0 = 0 MB
CISCO2901/K9 platform with 524288 Kbytes of main memory
Main memory is configured to 72/-1On-board/DIMM0 bit mode with ECC disabled


Readonly ROMMON initialized

program load complete, entry point: 0x80803000, size: 0x1b340
program load complete, entry point: 0x80803000, size: 0x1b340
```

```
IOS Image Load Test

-------------------
Digitally Signed Release Software
program load complete, entry point: 0x81000000, size: 0x3bcd3d8
Self decompressing the image :
######################################################################### [OK]
Smart Init is enabled
smart init is sizing iomem
                 TYPE        MEMORY_REQ
     Onboard devices &
          buffer pools      0x0228F000
---------------------------------------------
                 TOTAL:      0x0228F000
Rounded IOMEM up to: 36Mb.
Using 6 percent iomem. [36Mb/512Mb]


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Cisco IOS Software, C2900 Software C2900-UNIVERSALK9-M, Version 15.14M5, RELEASE SOFTWARE fc2Technical Support: http://www.cisco
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Compiled Wed 18-Jul-07 04:52 by pt_team
Image text-base: 0x2100F918, data-base: 0x24729040


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Importers, exporters, distributors and users are responsible for
compliance with U.S. and local country laws. By using this product you
agree to comply with applicable laws and regulations. If you are unable
to comply with U.S. and local laws, return this product immediately.


A summary of U.S. laws governing Cisco cryptographic products may be found at:
```

```
http://www.cisco.com/wwl/export/crypto/tool/stqrg.html


If you require further assistance please contact us by sending email to
export@cisco.com.


Cisco CISCO2901/K9 revision 1.0 with 491520K/32768K bytes of memory.
Processor board ID FTX152400KS
2 Gigabit Ethernet interfaces
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#conf t
Router#conf terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Routerconfig#int
Routerconfig#interface gi
Routerconfig#interface gigabitEthernet 0/0.1
Routerconfig-subif#en
Routerconfig-subif#encapsulation d
Routerconfig-subif#encapsulation dot1Q 1
Routerconfig-subif#ip ad
Routerconfig-subif#ip address 172.17.10.1 255.255.255.0
Routerconfig-subif#exit
Routerconfig#interface gigabitEthernet 0/0.2
Routerconfig-subif#en
Routerconfig-subif#encapsulation d
Routerconfig-subif#encapsulation dot1Q 2
Routerconfig-subif#ip add
Routerconfig-subif#ip address 172.17.20.1 255.255.255.0
Routerconfig-subif#exit
Routerconfig#interface gigabitEthernet 0/0.3
Routerconfig-subif#encapsulation dot1Q 3
Routerconfig-subif#ip add
```

```
Routerconfig-subif#ip address 172.17.30.1 255.255.255.0
Routerconfig-subif#exit
Routerconfig#int
Routerconfig#interface gi
Routerconfig#interface gigabitEthernet 0/0
Routerconfig-if#no sh
Routerconfig-if#no shutdown

Routerconfig-if#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up

%LINK-5-CHANGED: Interface GigabitEthernet0/0.1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0.1, changed state to up

%LINK-5-CHANGED: Interface GigabitEthernet0/0.2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0.2, changed state to up

%LINK-5-CHANGED: Interface GigabitEthernet0/0.3, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0.3, changed state to up

Routerconfig-if#
Routerconfig-if#exit
Routerconfig#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#write mem
Building configuration...
[OK]
Router#
Router#
Router#
Router#
```

منابع