

思科认证辅导:经典的三层网络案例分析思科认证 PDF转换可能丢失图片或格式，建议阅读原文

[https://www.100test.com/kao\\_ti2020/644/2021\\_2022\\_\\_E6\\_80\\_9D\\_E7\\_A7\\_91\\_E8\\_AE\\_A4\\_E8\\_c101\\_644194.htm](https://www.100test.com/kao_ti2020/644/2021_2022__E6_80_9D_E7_A7_91_E8_AE_A4_E8_c101_644194.htm) 目的：让不同的vlan之间可以互相通讯。 IP规划 vlna ID ip网段vlan网关 vlan 1 172.16.1.0/24 172.16.1.7-9 vlan 2 172.16.2.0/24 172.16.2.252-254 vlan 3 172.16.3.0/24 172.16.3.252-254 vlan 4 172.16.4.0/24 172.16.4.252-254 vlan 5 172.16.5.0/24 172.16.5.252-254 vlan 6 172.16.6.0/24 172.16.6.252-254 vlan 7 172.16.7.0/24 172.16.7.252-254 vlan 8 172.16.8.0/24 172.16.8.252-254 vlan 9 172.16.9.0/24 172.16.9.252-254 路由器配置 一、 cisco路由器配置

```
Enable
Configure terminal
Service password-encryption
Hostname cisco1721
Enable secret 654321
Enable password 123456
ip subnet-zero
ip name-server 202.96.134.133 202.96.172.218
interface fastethernet 0
ip address 61.142.221.5 255.255.255.240
speed auto
no shutdown
interface serial 0
ip unnumbered
fastethernet 0
encapsulation ppp
no fair-queue
bandwidth 2048
no shutdown
exit
ip classless
ip route 0.0.0.0 0.0.0.0 serial 0
no ip http server
line con 0
line aux 0
line vty 0 4
password 12345678
login
no scheduler allocate
end
copy running-config startup-config
reload
请注意NAT等是在防火墙设置的。
防火墙配置
Enable
Config t
Interface ethernet0 100full
Interface ethernet1 100full
Interface ethernet2 100full
nameif ethernet0 outside security0
nameif ethernet1 inside security100
nameif ethernet2 DMZ security50
Enable
password 654321 encrypted
Password 123456 encrypted
Hostname pix515e
Domain-name abc.com
Fixup protocol pop3 110
Names
```

```
Object-group service DMZ tcp Port-object eq https Port-object eq
www Port-object eq smtp Port-object eq pop3 Port-object eq ftp
Access-list outside permit tcp any 61.142.221.0 255.255.255.240
object-group DMZ Ip address outside 61.142.221.6 255.255.255.240
Ip address inside 172.16.9.250 255.255.255.0 Ip address DMZ
172.18.1.254 255.255.255.0 Global ( outside ) 1
61.142.221.1-61.142.221.4 netmask 255.255.255.0 Global ( outside
) 1 interface Nat ( inside ) 1 172.16.0.0 255.255.0.0 Static ( inside
, DMZ ) 172.16.0.0 172.16.0.0 netmask 255.255.0.0 Static ( DMZ
, outside ) 61.142.221.8 172.18.1.8 netmask 255.255.255.2555
Static ( DMZ , outside ) 61.142.221.9 172.18.1.9 netmask
255.255.255.2555 Static ( DMZ , outside ) 61.142.221.10
172.18.1.10 netmask 255.255.255.2555 Access-group outside in
interface outside Route outside 0.0.0.0 0.0.0.0 61.142.221.5 Route
inside 172.16.0.0 255.255.0.0 172.16.9.254 http server enable http
172.16.0.0 255.255.0.0 inside telnet 172.16.0.0 255.255.0.0 inside ssh
172.16.0.0 255.255.0.0 inside
```

交换机配置 一、 Catalyst 4006-s3交换机配置：

```
Enable Configure terminal service pad service
password-encryption hostname c4006-s3 enable password 123456.
Enable secret 654321 Ip subnet-zero Ip name-server 172.16.8.1
172.16.8.2 ip routing Exit Vlan database Vtp mode server Vtp
domain centervtp Vlan 2 name vlan2 Vlan 3 name vlan3 Vlan 4
name vlan4 Vlan 5 name vlan5 Vlan 6 name vlan6 Vlan 7 name
vlan7 Vlan 8 name vlan8 Vlan 9 name vlan9 Exit 100Test
```

下载频道  
开通，各类考试题目直接下载。详细请访问 [www.100test.com](http://www.100test.com)