Cisco-vpn

????????? VPN ??????? ?? cisco 1841

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???? ?????? (2 Fa):

```
Cisco 1841 (revision 7.0) with 236544K/25600K bytes of memory.
Processor board ID XXXXXXXX
2 FastEthernet interfaces
2 Virtual Private Network (VPN) Modules
DRAM configuration is 64 bits wide with parity disabled.
191K bytes of NVRAM.
62720K bytes of ATA CompactFlash (Read/Write)
```

??? ?????? VPN ?????

```
aaa new-model
```

??????? ??????-??????

```
aaa group server radius MISERY
 server 192.168.1.1 auth-port 1812 acct-port 1813
 ip radius source-interface FastEthernet0/0
 attribute nas-port format e UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU
 deadtime 10
!



aaa authentication ppp RADIUS-MISERY group MISERY
aaa authorization network default group MISERY

aaa accounting delay-start
aaa accounting update newinfo periodic 1
aaa accounting network RADIUS-MISERY start-stop group MISERY
aaa accounting system default start-stop group MISERY



vpdn enable
vpdn aaa attribute nas-ip-address vpdn-nas
vpdn aaa attribute nas-port vpdn-nas
vpdn session-limit 5000

vpdn-group VPN1
! Default PPTP VPDN group
 accept-dialin
  protocol pptp
  virtual-template 1
 session-limit 32767
 pptp tunnel echo 0
 pptp flow-control static-rtt 5000
 l2tp tunnel receive-window 1024
```

????? ???????????? ? ???????? ????? ??????.

```
interface Loopback0
 ip address XX.XX.128.0 255.255.255.255



interface Virtual-Template1
 description "VPN server"
 ip unnumbered Loopback0
 ip verify unicast reverse-path
 no ip redirects
 no ip unreachables
 no ip proxy-arp
 peer default ip address pool DIAL-IN
 ppp mtu adaptive
 ppp authentication pap ms-chap-v2 RADIUS-MISERY
 ppp accounting RADIUS-MISERY
 ppp ipcp dns 193.33.48.33 193.33.19.160
 hold-queue 4096 in
 hold-queue 4096 out
```

??? ??? ???????? ?????? ?? ???????? IP ?? ???????.

```
ip local pool DIAL-IN 172.16.2.21 172.16.2.25
```

Null-route ??? ???? ?? ????

```
ip route XX.XX.128.16 255.255.255.240 Null0

radius-server attribute 44 include-in-access-req
radius-server attribute 6 on-for-login-auth
radius-server attribute 8 include-in-access-req
radius-server attribute 32 include-in-access-req
radius-server attribute 32 include-in-accounting-req
radius-server attribute 55 include-in-acct-req
radius-server attribute 55 access-request include
radius-server host 192.168.20.1 auth-port 1812 acct-port 1813 key 7 06080E32
radius-server vsa send cisco-nas-port
radius-server vsa send accounting
radius-server vsa send authentication
```