



p1

1

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- <http://www.ruijie.com.cn/>

- <http://webchat.ruijie.com.cn>

8:30 6 “ ”

- <http://www.ruijie.com.cn/service.aspx>

- 7× 24 4008-111-000

- <http://support.ruijie.com.cn>

- service@ruijie.com.cn

RGOS[®]10.4 (2b12)p1

-
-
-

1.

```
[ ]      [ ]  
{ x | y | ... }  
[ x | y | ... ]  
//
```

2.



3.

■

■

■



WEB

WEB

1. WEB

2. WEB

1 WEB

WEB

IE

WEB

WEB

WEB

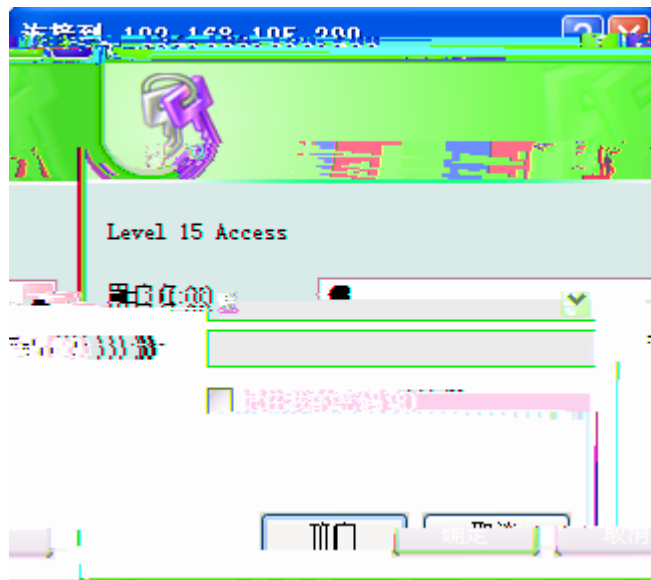
WEB

WEB

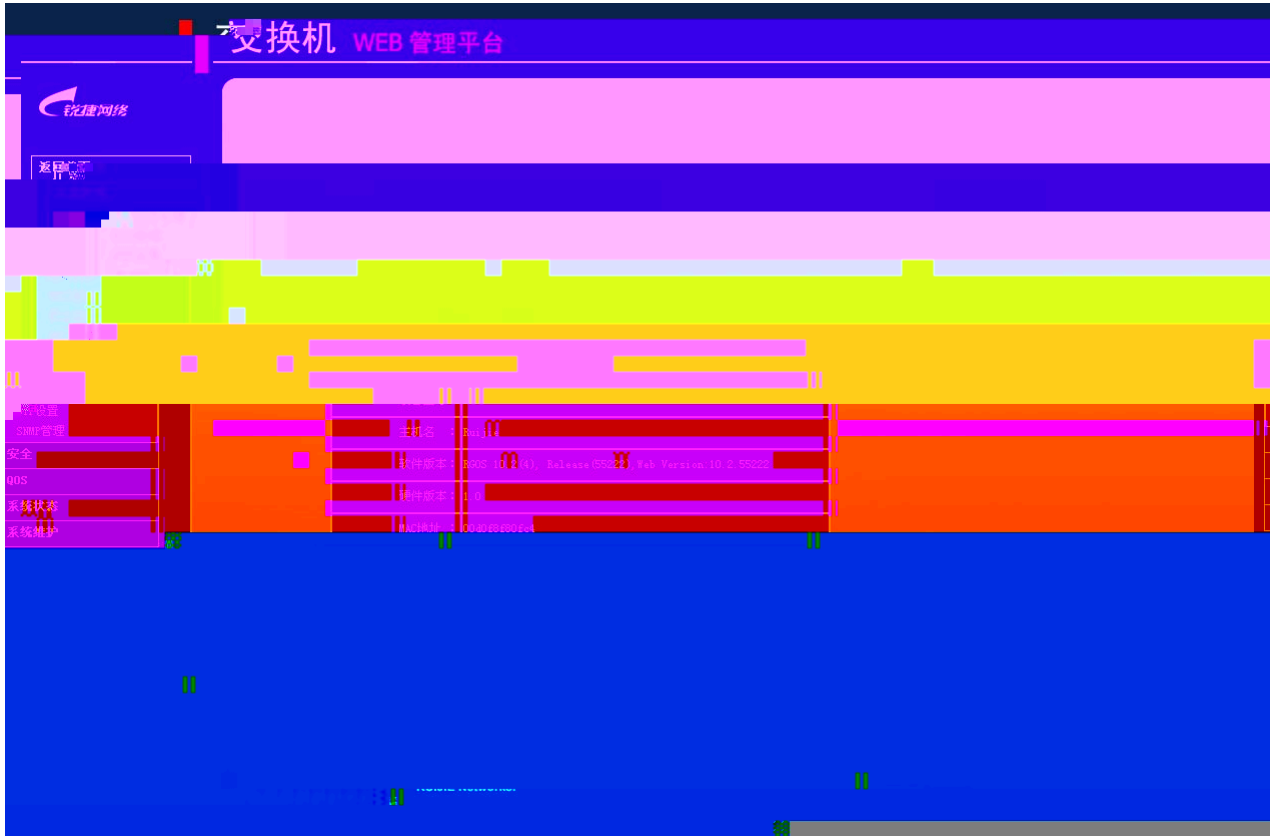
WEB



1



2



3 WEB

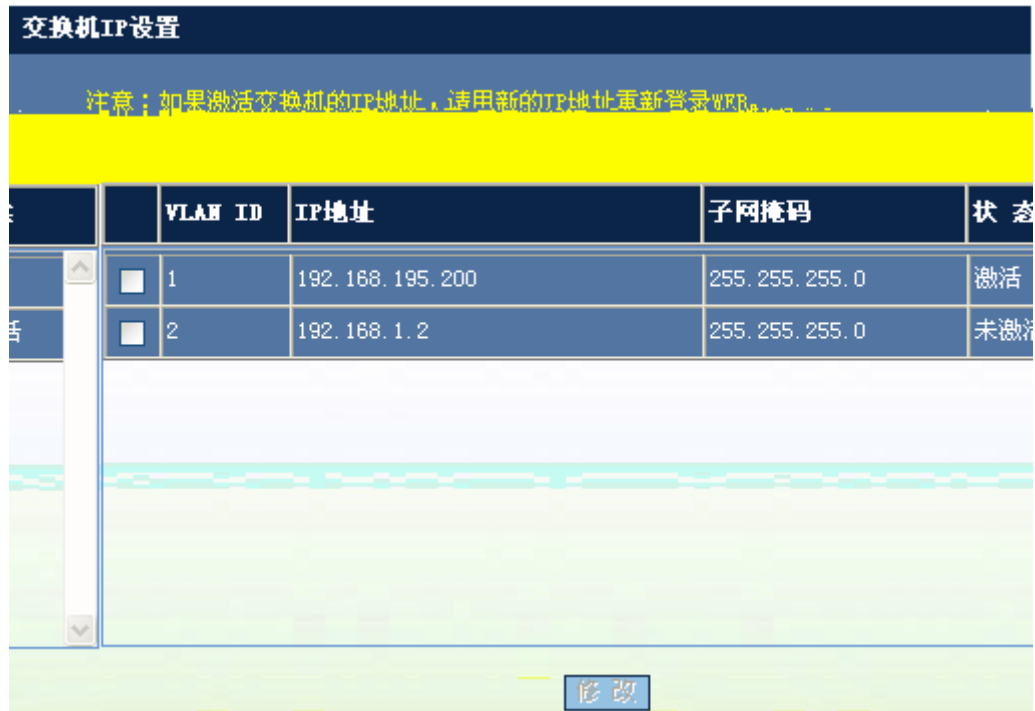
	WEB	Enable
	enable	

2.2

2.2.1 IP

IP

IP



4 IP

ip



5 IP

IP

2.2.2 VLAN

VLAN

1 VLAN

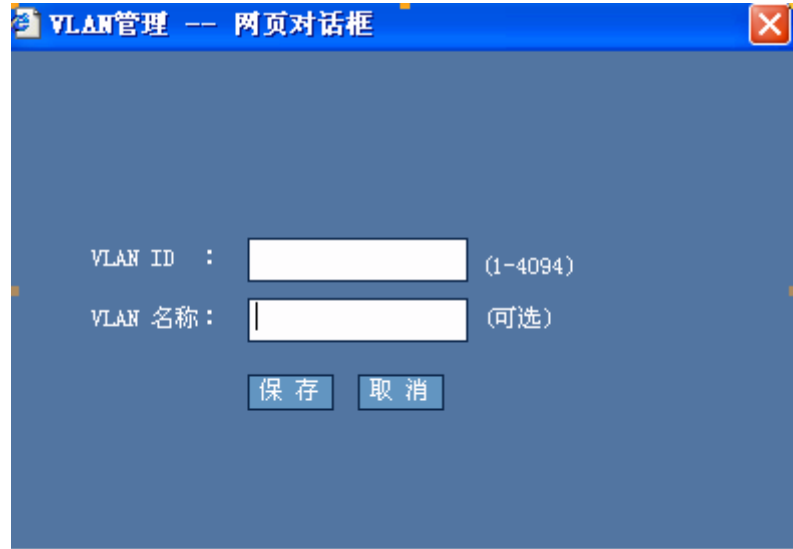


6 VLAN

VLAN

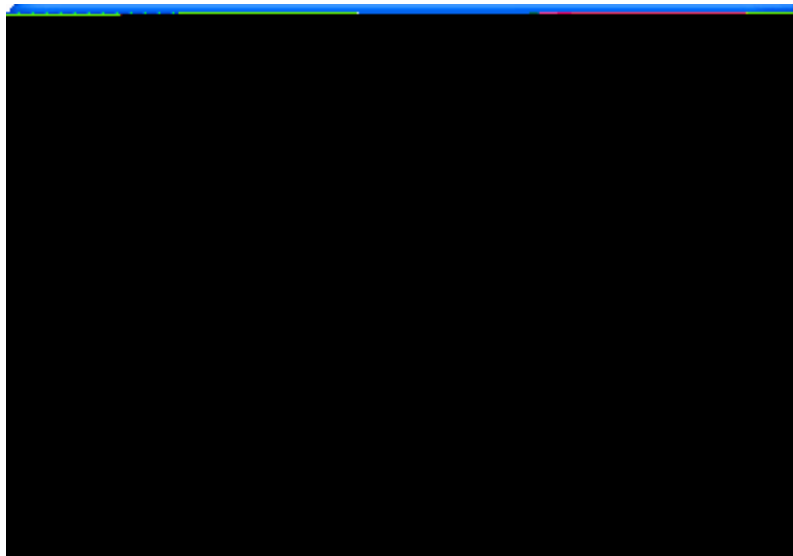
VLAN

VLAN



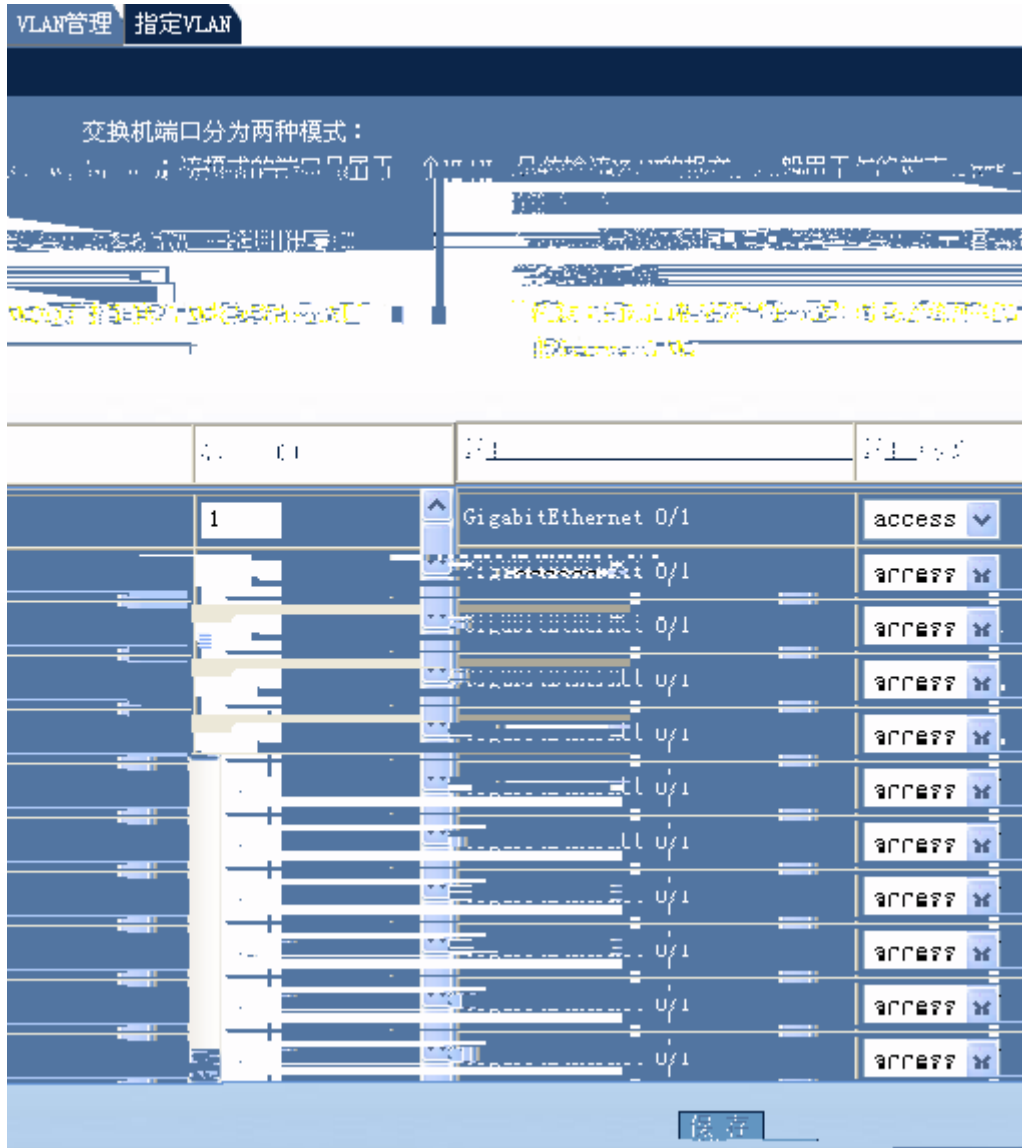
7 VLAN

VLAN ID VLAN
VLAN VLAN
VLAN
VLAN



8 VLAN

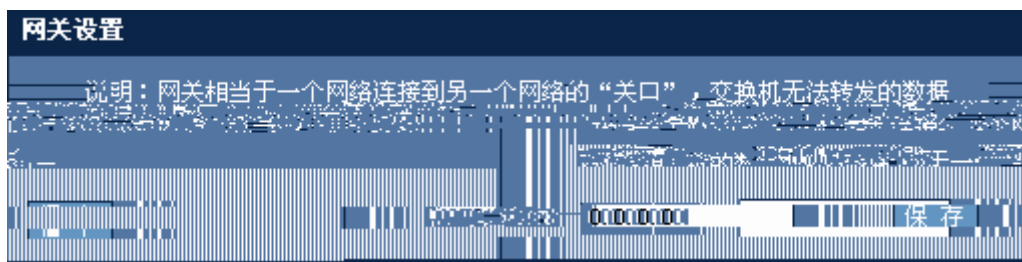
VLAN
VLAN
2 VLAN



9 VLAN

VLAN ID

2.2.3



10

IP

IP

2.2.4



11

2.2.5

端口限速设置

注意：不限速的端口，保持对应文本框为空（1byte=8bit）。S2900系列设备不支持对端口输入速率限制的设置。

端口	输出速率限制 (312-1000000 KBit/s)	输入速率限制 (312-1000000 KBit/s)
GigabitEthernet 0/1	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/2	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/3	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/4	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/5	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/6	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/7	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/8	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/9	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/10	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/11	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/12	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/13	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/14	<input type="text"/>	<input type="text"/>
GigabitEthernet 0/15	<input type="text"/>	<input type="text"/>

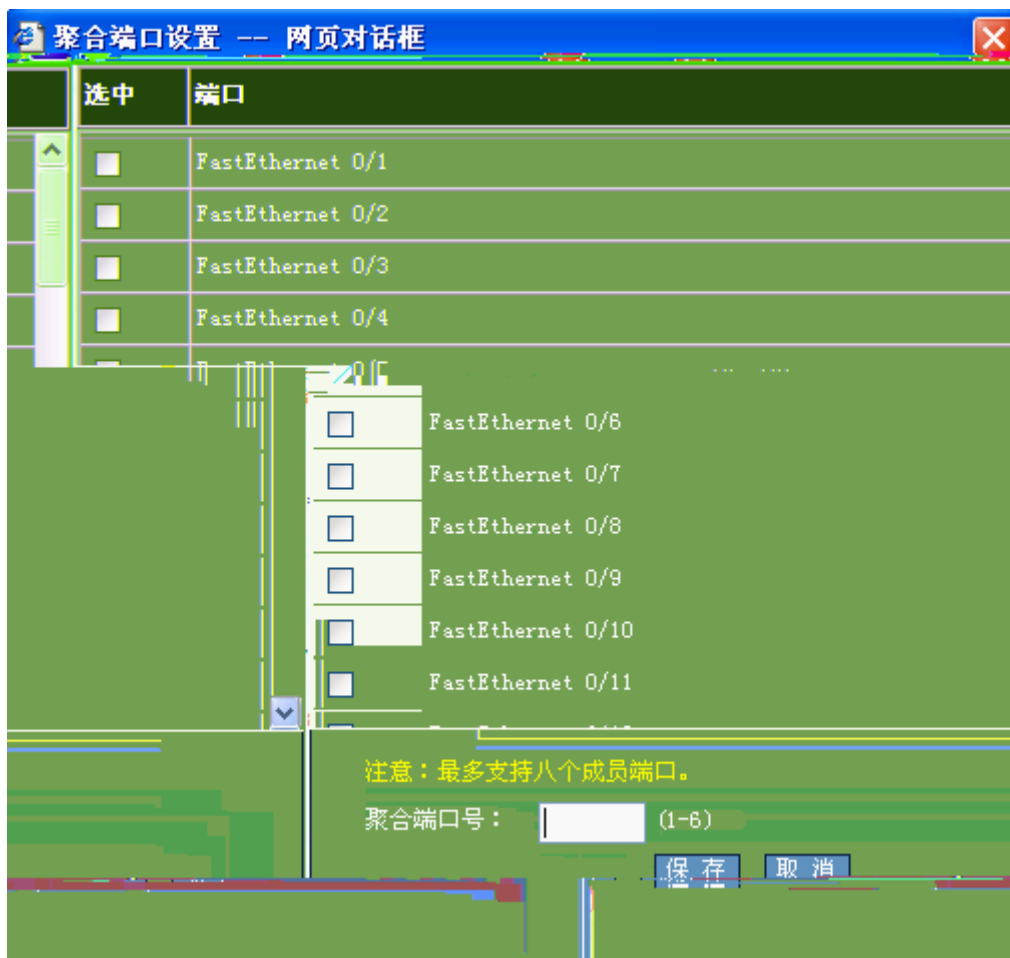
2.2.6



13

1

2



DHCP 中继设置

说明：DHCP中继可以实现不同子网之间的IP分配，相当于一个中转站，它将收到的客户端请求报文转发给指定的DHCP服务器，并将收到的服务器响应报文转发给DHCP客户端。

开启DHCP中继
 关闭DHCP中继

DHCP服务器设置

DHCP服务器：

DHCP服务器

操作	IP地址	网段
<input type="button" value="全选"/>		
<input type="button" value="删除"/>		

16 DHCP

1) / DHCP

/ DHCP

2)DHCP

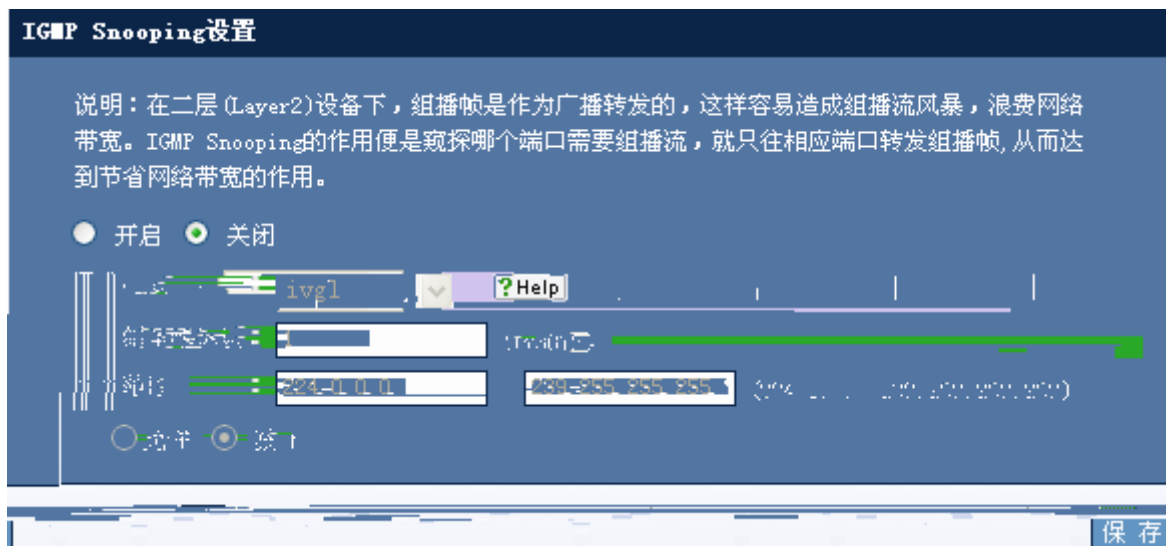
DHCP

DHCP

2.2.9 IGMP Snooping

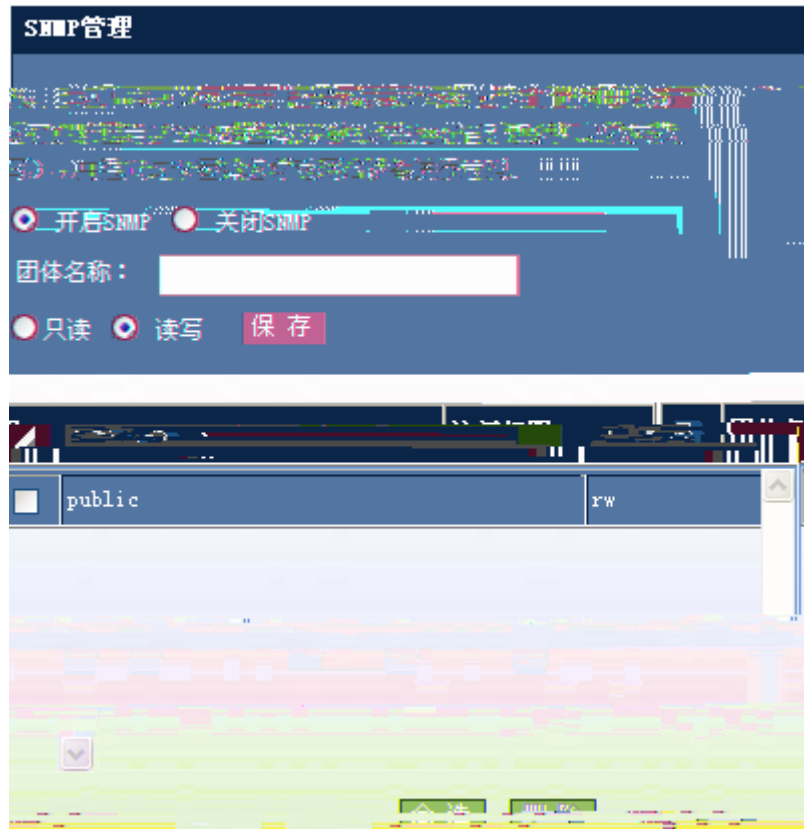
IGMP Snooping

IGMP Snooping



1 A m

SNMP



19 SNMP

SNMP

SNMP

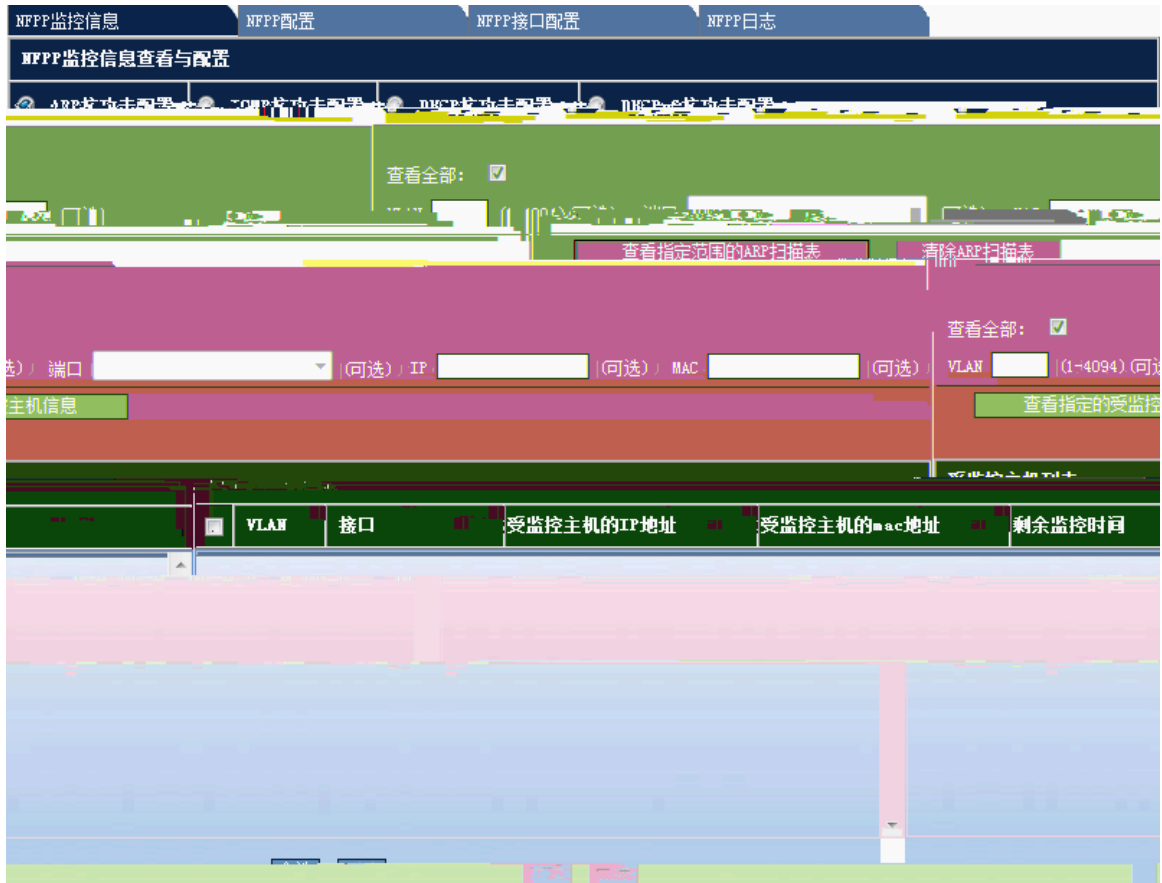
SNMP

SNMP

2.2.12 NFPP

NFPP

1 NFPP



20 NFPP

- ARP

NFPP监控信息 NFPP配置 NFPP接口配置 NFPP日志

NFPP监控信息查看与配置

查看全部:

VLAN (1-4094) (可选) 端口 (可选) MAC (可选)

查看全部:

VLAN (1-4094) (可选) 端口 (可选) IP (可选) MAC (可选)

ARP扫描表信息

VLAN	interface	IP address	MAC address	timestamp
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:8:53
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:10:1
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:11:2
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:12:2
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:13:3
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:14:4
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:15:4
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:16:5
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:17:13
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:19:15
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:23:25
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:24:26

21 ARP

ARP

ARP

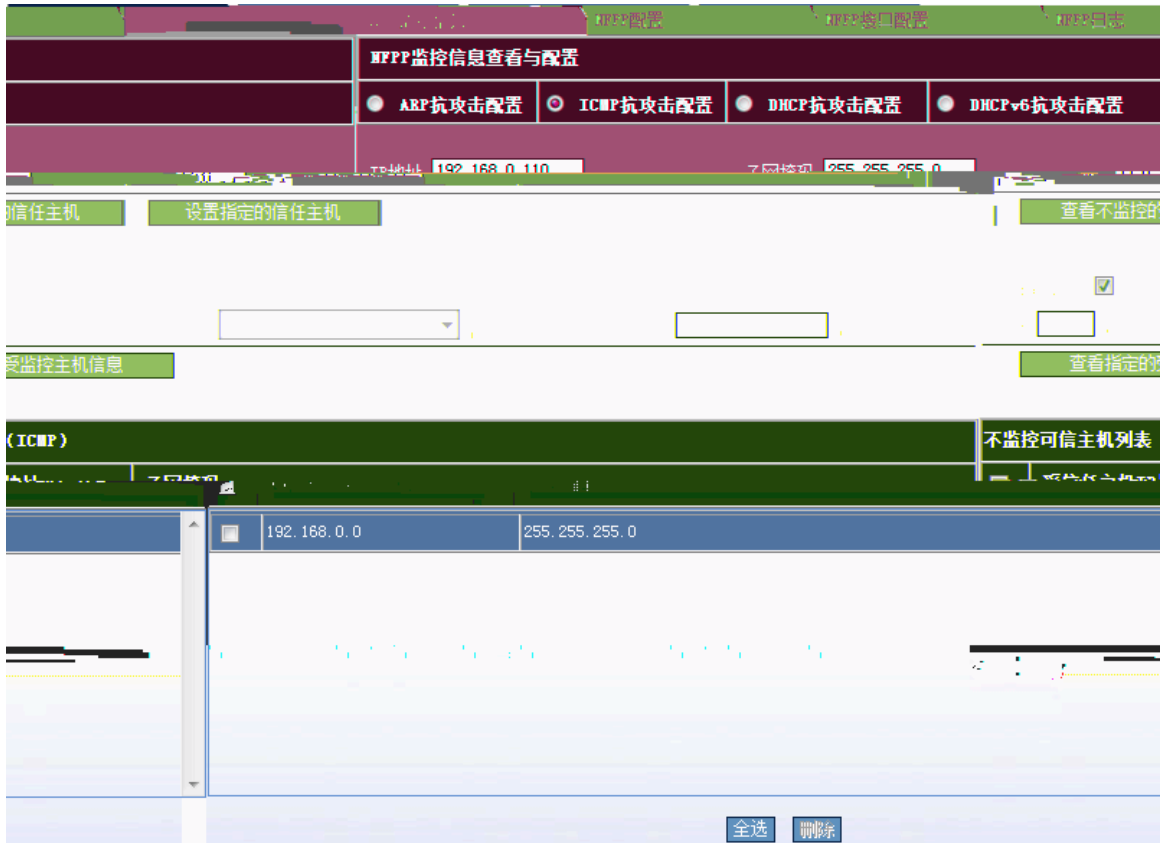
ARP

ARP

ARP

ARP

- ICMP

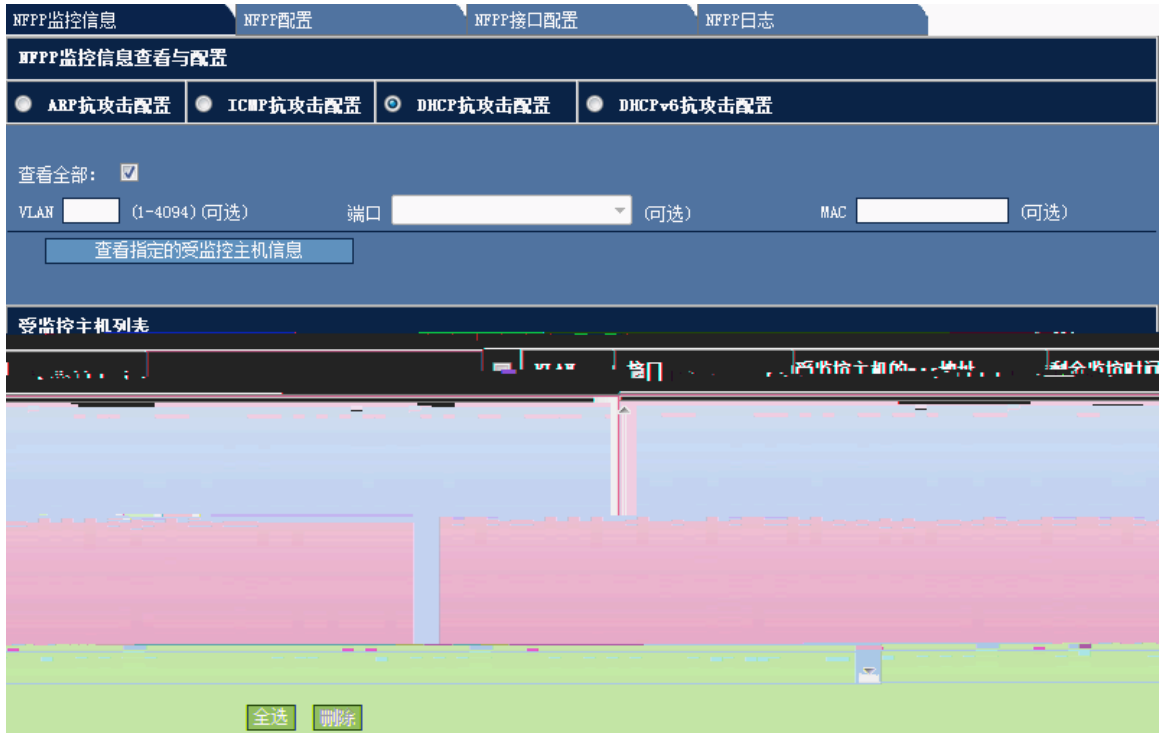


22 NFPF --ICMP

ICMP

IP

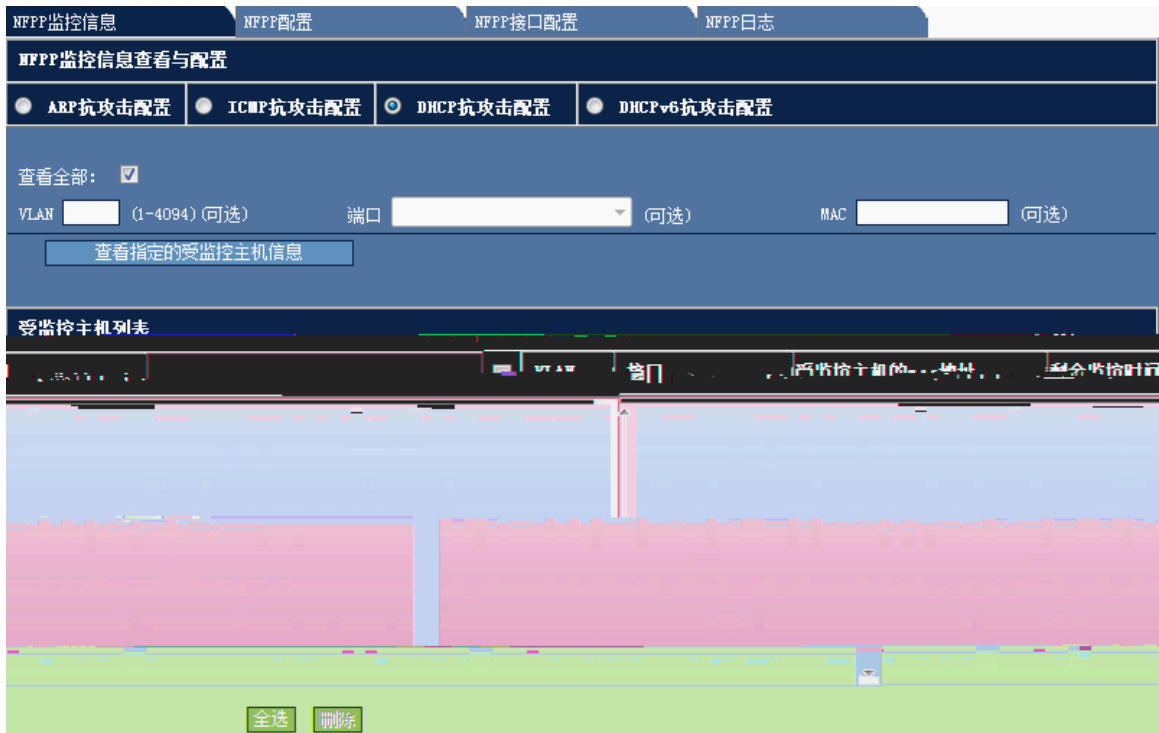
- DHCP



23 NFPP —DHCP

DHCP

● DHCPv6



24 NFPP —DHCP

DHCPv6

2 NFPP

The screenshot displays the 'CPU保护配置' (CPU Protection Configuration) page in a network device's web interface. The page includes a navigation bar with tabs for 'NFPP监控信息', 'NFPP配置', 'NFPP接口配置', and 'NFPP日志'. The main content area shows a table of protection settings:

名称	状态	原配置时间
ARP	Enable	-
DHCP	Enable	-
RARP	Enable	-
IPv6	Enable	-

Below the table, there are two buttons: '修改' (Modify) and '恢复默认' (Restore Default). At the bottom of the page, there are also two buttons: '修改' (Modify) and '恢复默认' (Restore Default).

CPU

- NFPP



27 NFPP

NFPP

NFPP

NFPP

3 NFPP

- ARP

NFPP监控信息 NFPP配置 **NFPP接口配置** NFPP日志

NFPP接口信息配置

ICMP攻击配置
 DHCP攻击配置
 DHCPv6攻击配置
 DD攻击配置
 ARP攻击配置

0/1 开启ARP攻击 关闭ARP攻击 默认

接口: FastEthernet

(可选): 限速值: 123 (1-9999) 攻击阈值: 123 (1-9999) 基于ip/vid/端口识别主机

(可选): 限速值: 789 (1-9999) 攻击阈值: 789 (1-9999) 基于mac/vid/端口识别主机

(可选): 限速值: 123 (1-9999) 攻击阈值: 456 (1-9999) 基于port端口识别主机(可

0/30-86400) (可选) 永久隔离 扫描阈值: 123 (1-9999) (可选) 隔离时间: 123

保存

攻击状态	隔离时间	限速值(基于IP/MAC/PORT)	攻击阈值(基于IP/MAC/PORT)	扫描阈值	<input type="checkbox"/>	接口	ARP攻击
	123	123/789/123	123/789/456	123	<input type="checkbox"/>	Fa0/1	Enable

全选 删除

28 NFPP —NFPP ARP

ARP NFPP

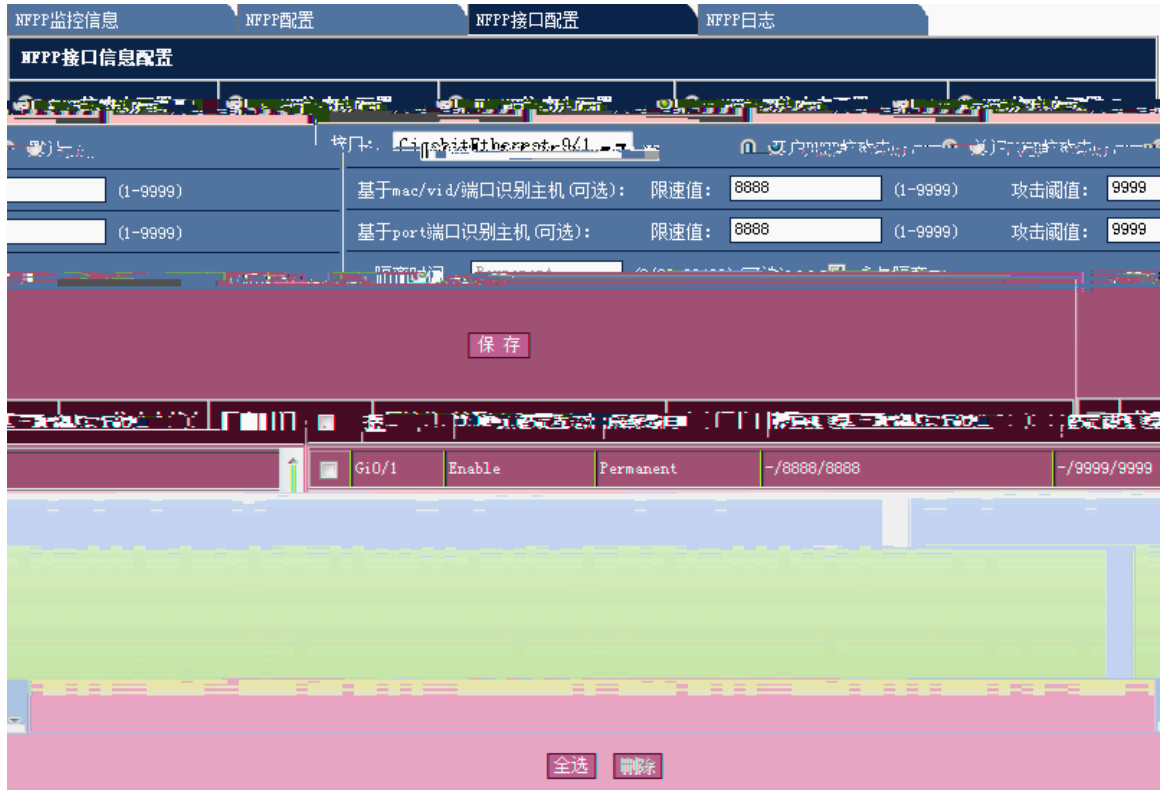
- ICMP



29 NFPF —NFPF ICMP

ICMP NFPF

- DHCP



30 NFPF

—NFPF

DHCP

DHCP

NFPF

- DHCPv6

NFPP监控信息 NFPP配置 **NFPP接口配置** NFPP日志

NFPP接口信息配置

● ARP攻击配置 ● ICMP攻击配置 ● DHCP攻击配置 ● **DHCPv6攻击配置**

接口: GigabitEthernet 0/1 开启DHCPv6攻击 关闭DHCPv6攻击

基于mac/vid/端口识别主机(可选): 限速值: 8888 (1-9999) 攻击阈值: 9999 (1-9999)

基于port端口识别主机(可选): 限速值: 8888 (1-9999) 攻击阈值: 9999 (1-9999)

隔离时间: Permanent (0/30-86400)(可选) 永久隔离

MAC/PORT	接口	DHCPv6攻击状态	隔离时间	限速值(基于IP/MAC/PORT)	攻击阈值(基于IP/MAC/PORT)
	<input type="checkbox"/> Gi0/1	Enable	Permanent	-/8888/8888	-/9999/9999

31 NFPP —NFPP DHCPv6

DHCPv6 NFPP

- ND



WEB





36 ARP

1) /MAC/IP

/MAC/IP

IP MAC

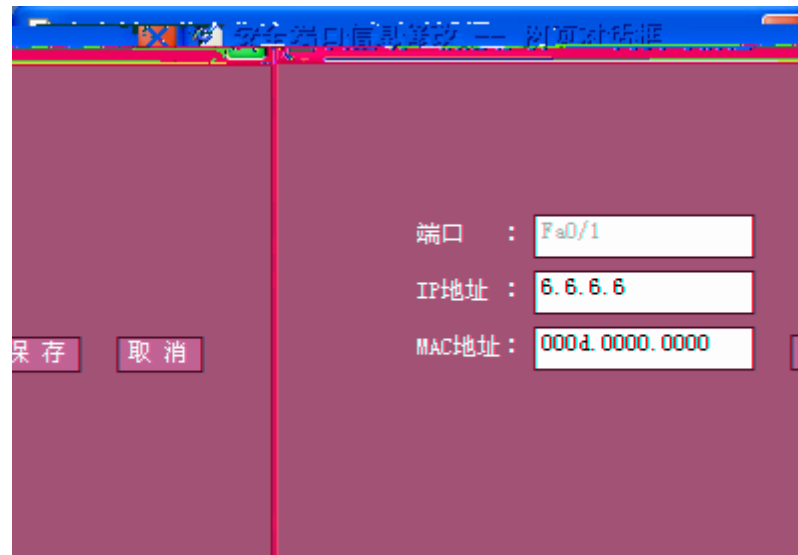
MAC

GigabitEthernet 0/15

MAC

2

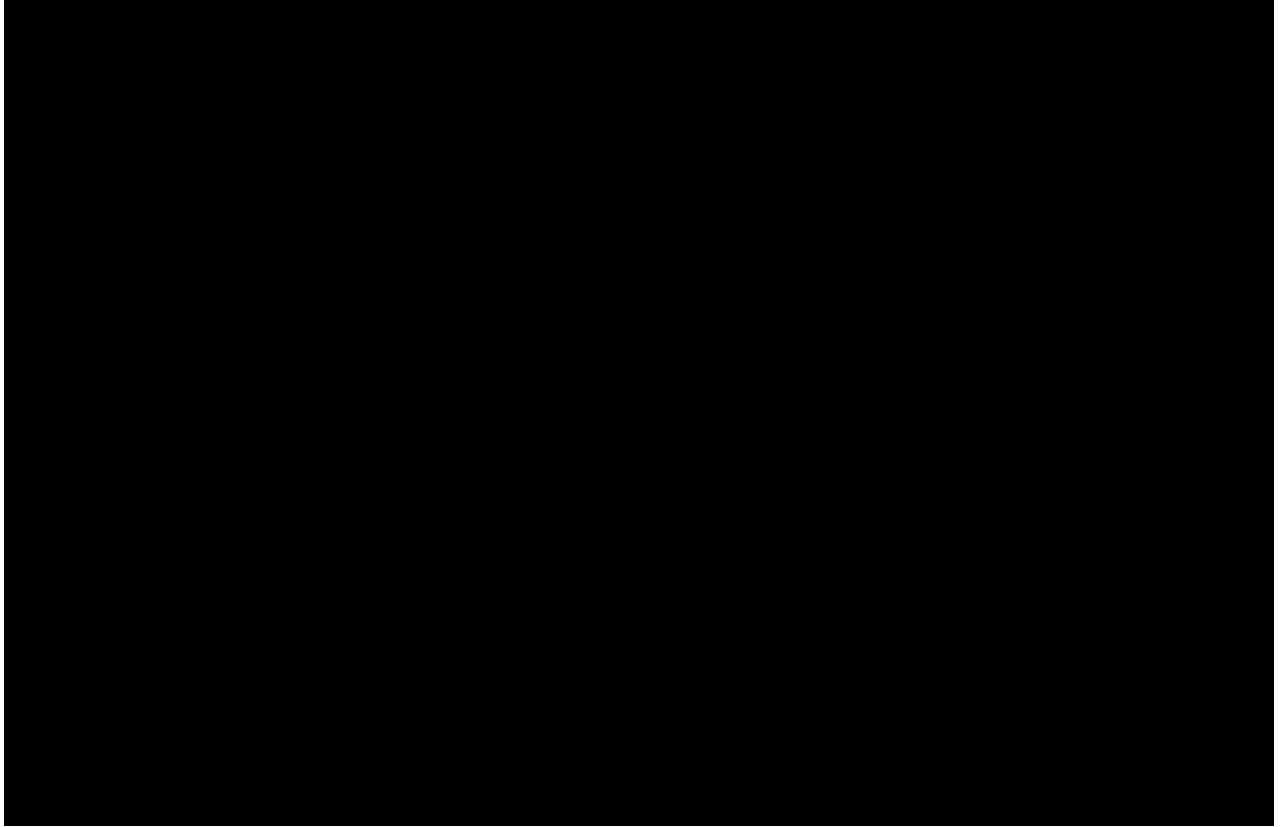
3)



2.3.4 ACL

ACL

ACL



39 ACL

1 ACL

ACL

ACL

ACL

ACL

ACE

ACL

ACL

ACE

ACE

2 ACL

IP

IP

IP



40 IP

ID

IP IP , IP

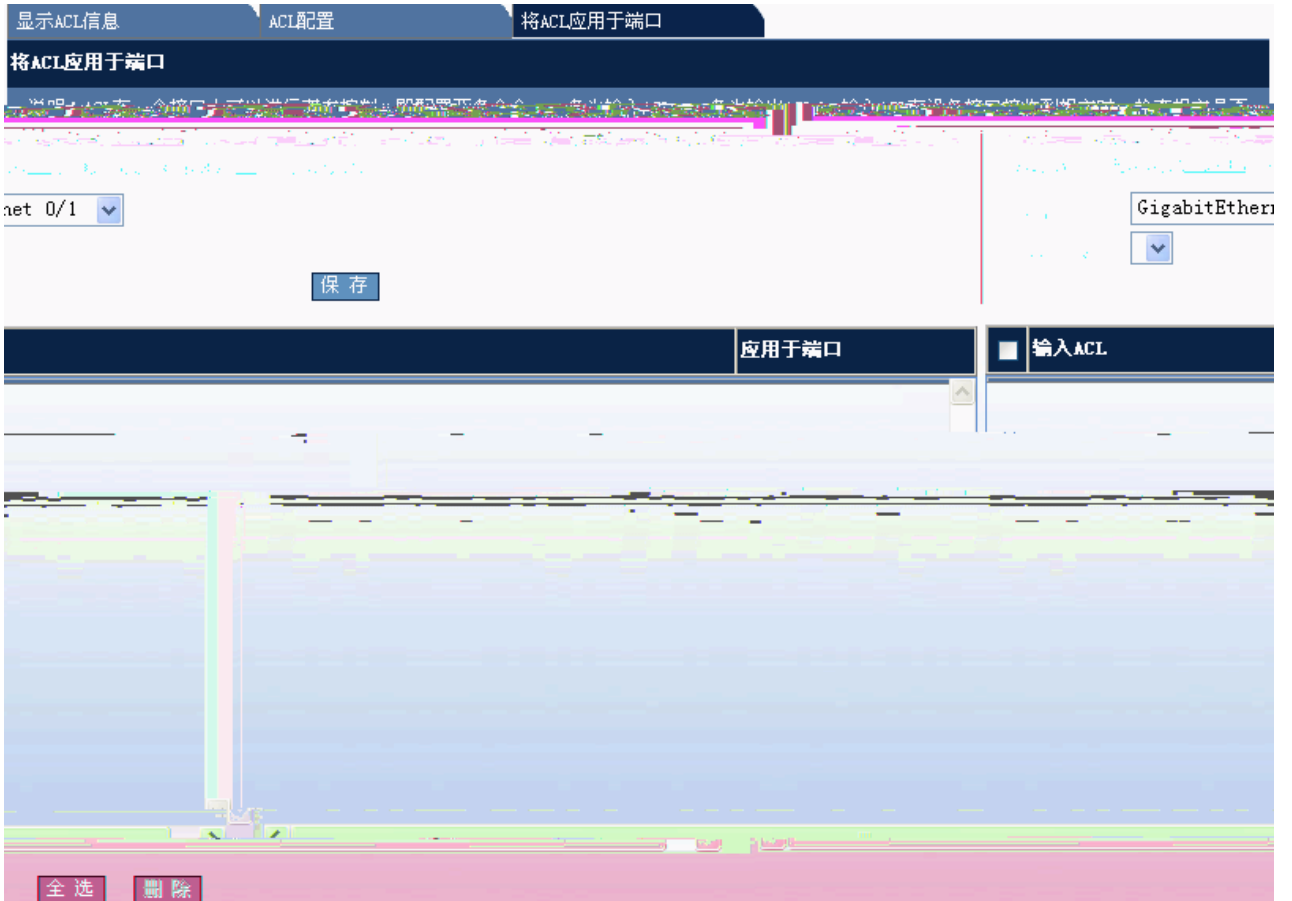
IP IP IP



41 IP

ID
 TCP UDP IP ICMP
 IP IP IP
 IP IP IP

3 ACL



42 ACL

ACL

ACL



PC

PC

IP Source Guard
DHCP Snooping

DHCP Snooping

IP Source Guard

IP Source Guard



43 IP Source Guard

1

IP Source Guard

IP+MAC

IP+MAC

()

2

IP

MAC

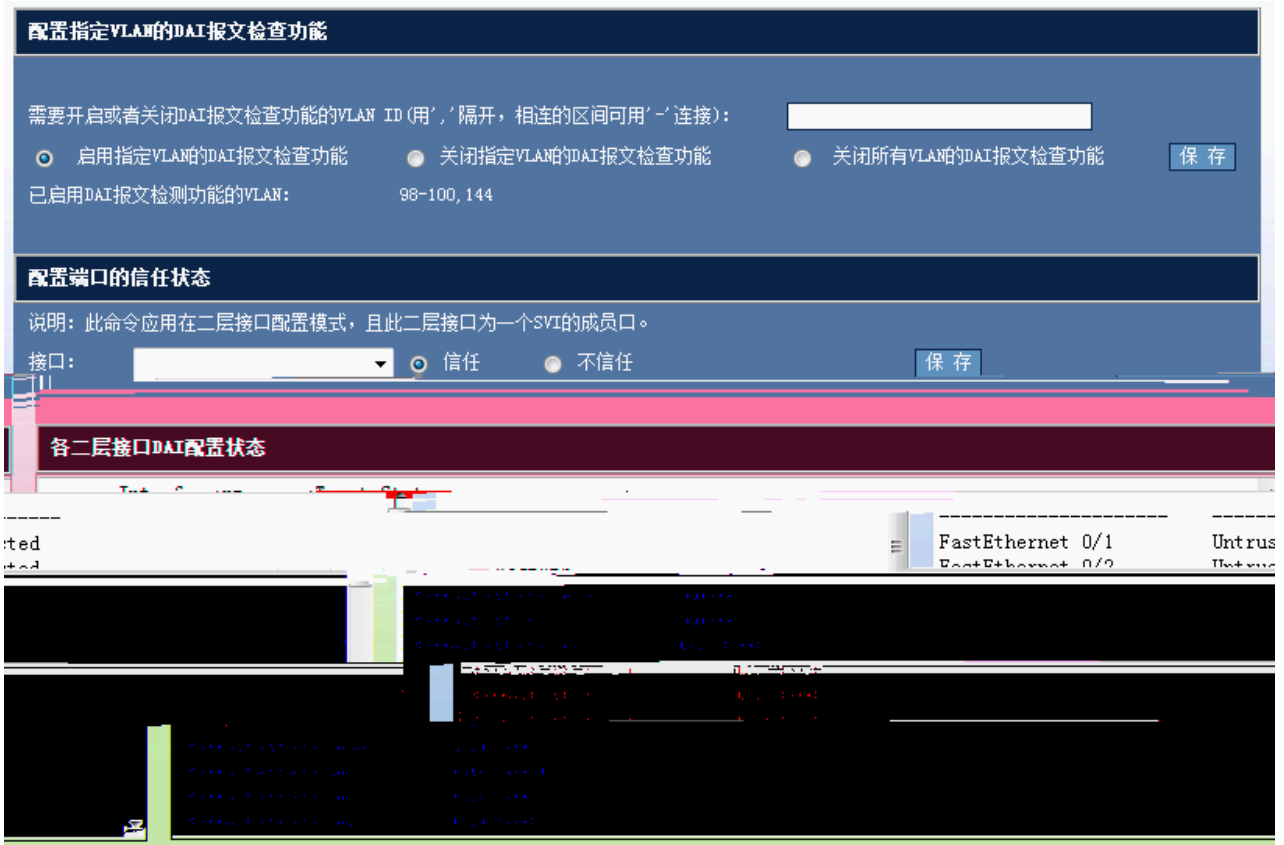
MAC

VLAN VLAN ID
 IP IP



2.3.6 DAI

DAI Dynamic ARP Inspection ARP ARP
 arp
 DAI
 DAI



45 DAI

- 1 VLAN DAI
- VLAN DAI

GSN

GSN

2.3.8 CPP

CPP



47 CPP

2.3.9 RADIUS

RADIUS

1 RADIUS

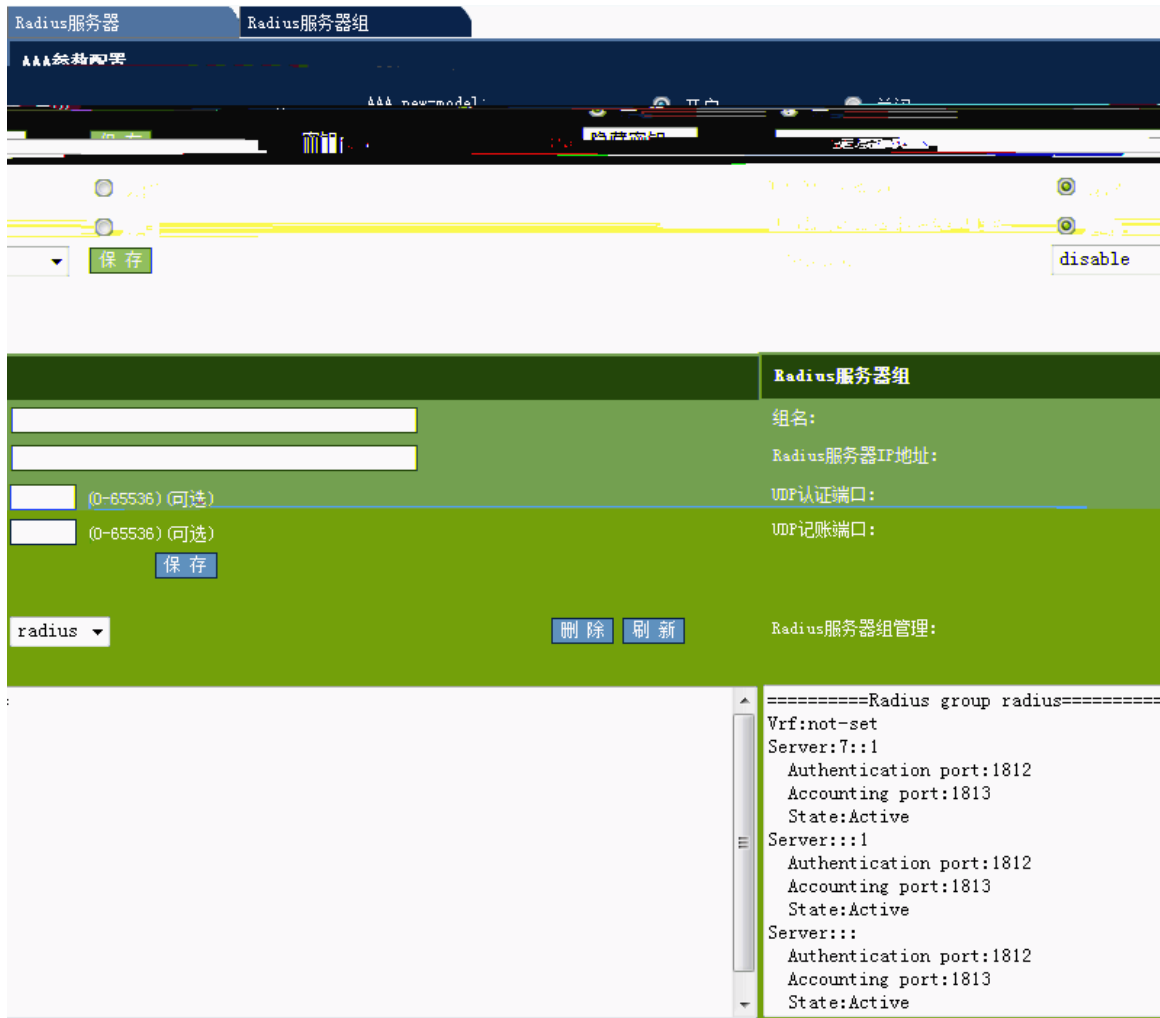
The screenshot displays the RADIUS configuration page in a web management system. It features a top navigation bar with tabs for 'Radius服务器' and 'Radius服务器组'. The main content area is titled 'AAA参数配置' and includes several configuration options:

- AAA new-model:** A radio button interface with '开启' (Enabled) selected and '关闭' (Disabled) as an option.
- 密钥:** A field with a '隐藏密钥' (Hide Key) dropdown and a '保存' (Save) button.
- 计费计费更新功能:** A radio button interface with '开启' (Enabled) selected and '关闭' (Disabled) as an option.
- IP授权模式:** A dropdown menu currently set to 'supplicant'.

Below this, the 'Radius服务器' configuration section is visible, containing:

- Radius服务器IP地址:** A text input field containing '192.168.0.111'.
- VDP认证端口:** A text input field with '(0-65535) (可选)' as a hint.
- VDP记账端口:** A text input field with '(0-65535) (可选)' as a hint.

At the bottom, there is a table with the following columns: '端口' (Port), '记账端口' (Accounting Port), '服务器状态' (Server Status), 'Radius服务器IP地址' (Radius Server IP Address), and '认证模式' (Authentication Mode). The table contains one entry with IP '192.168.0.111' and ports '1812' and '1813'. Below the table are '全选' (Select All) and '删除' (Delete) buttons.



52 RADIUS

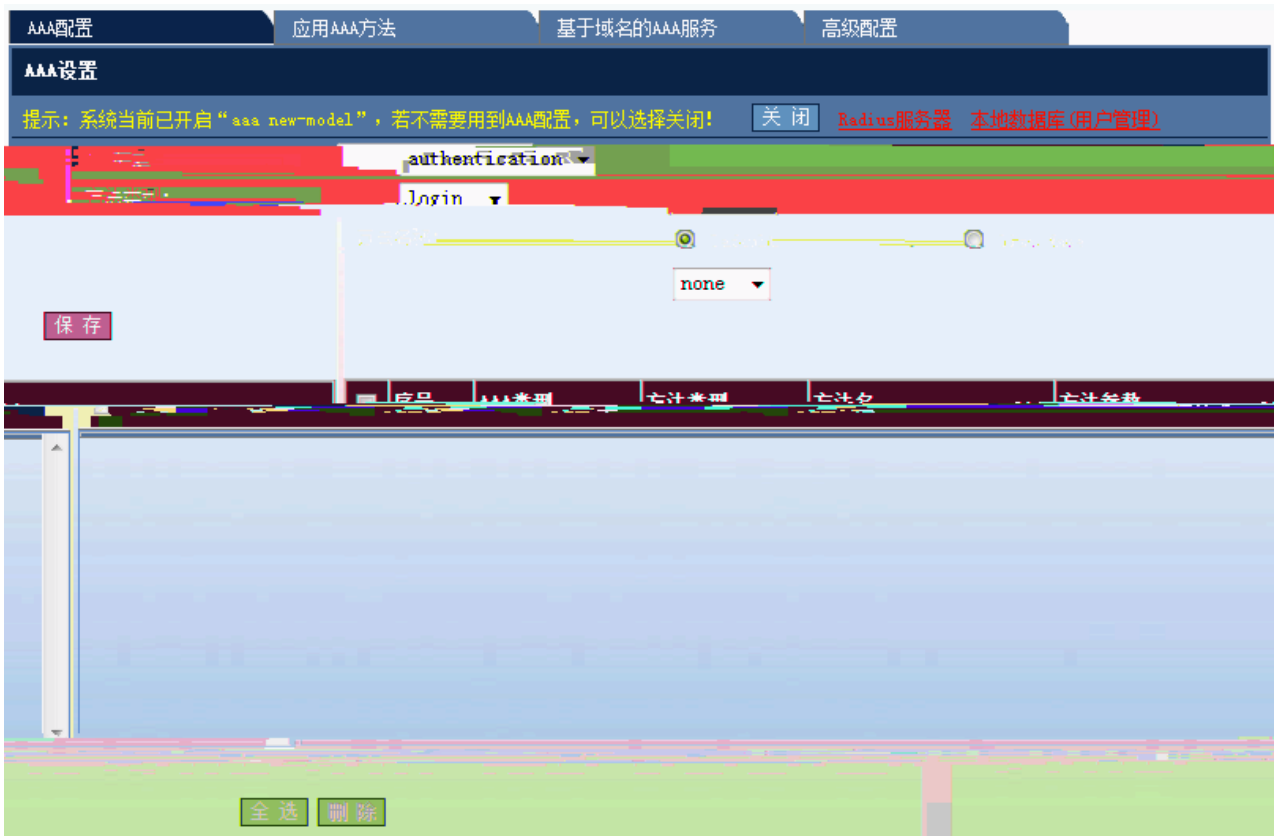
RADIUS IP

Radius

2.3.10 AAA

AAA

AAA



53 AAA

```

1      AAA
AAA      authentication authorization accounting      AAA
        login enable ppp dot1x exec command network
        List Name                                local group

2      AAA
    
```

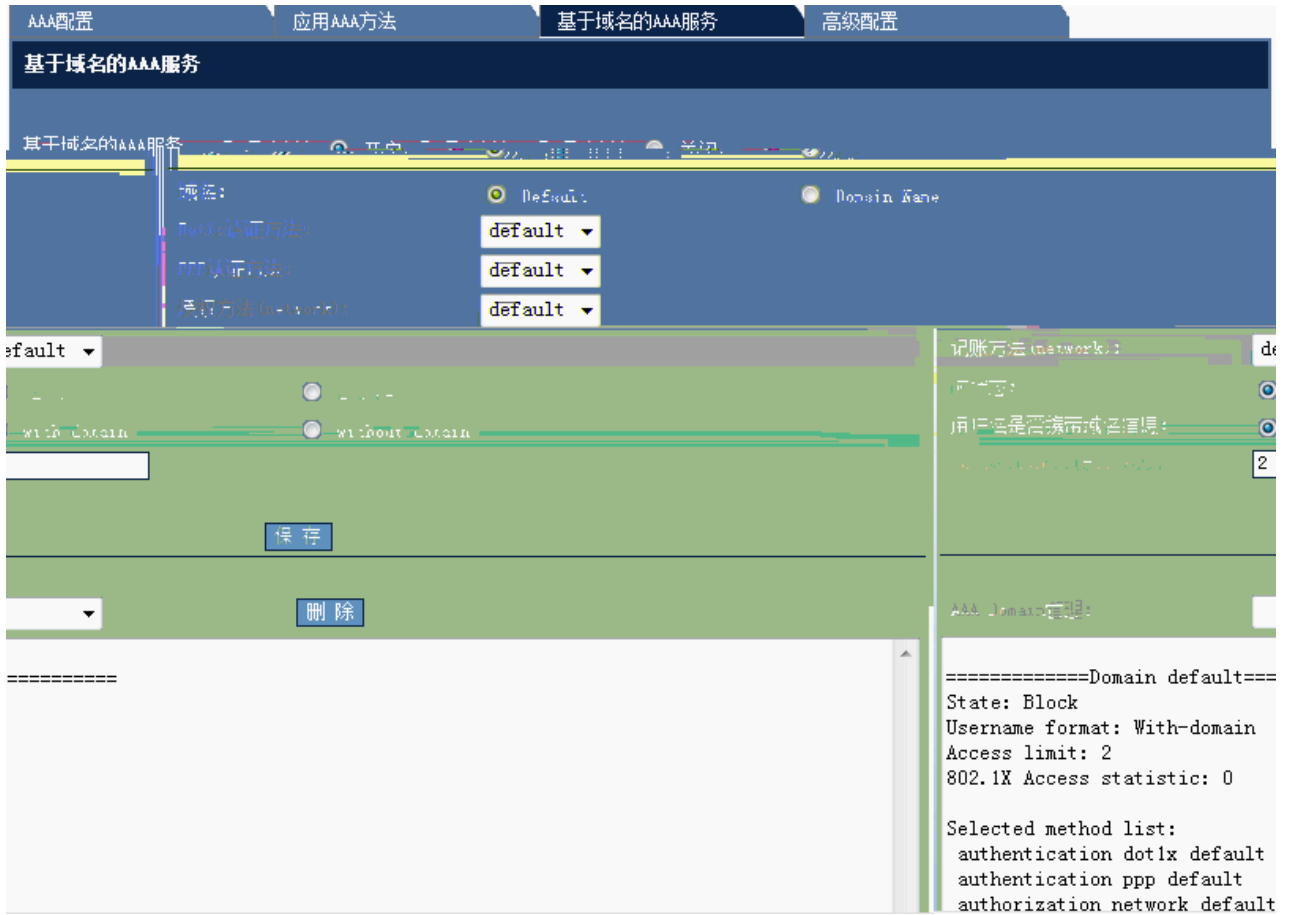


54 AAA

AAA

AAA

3 AAA



55

AAA

(network)

AAA
(network)

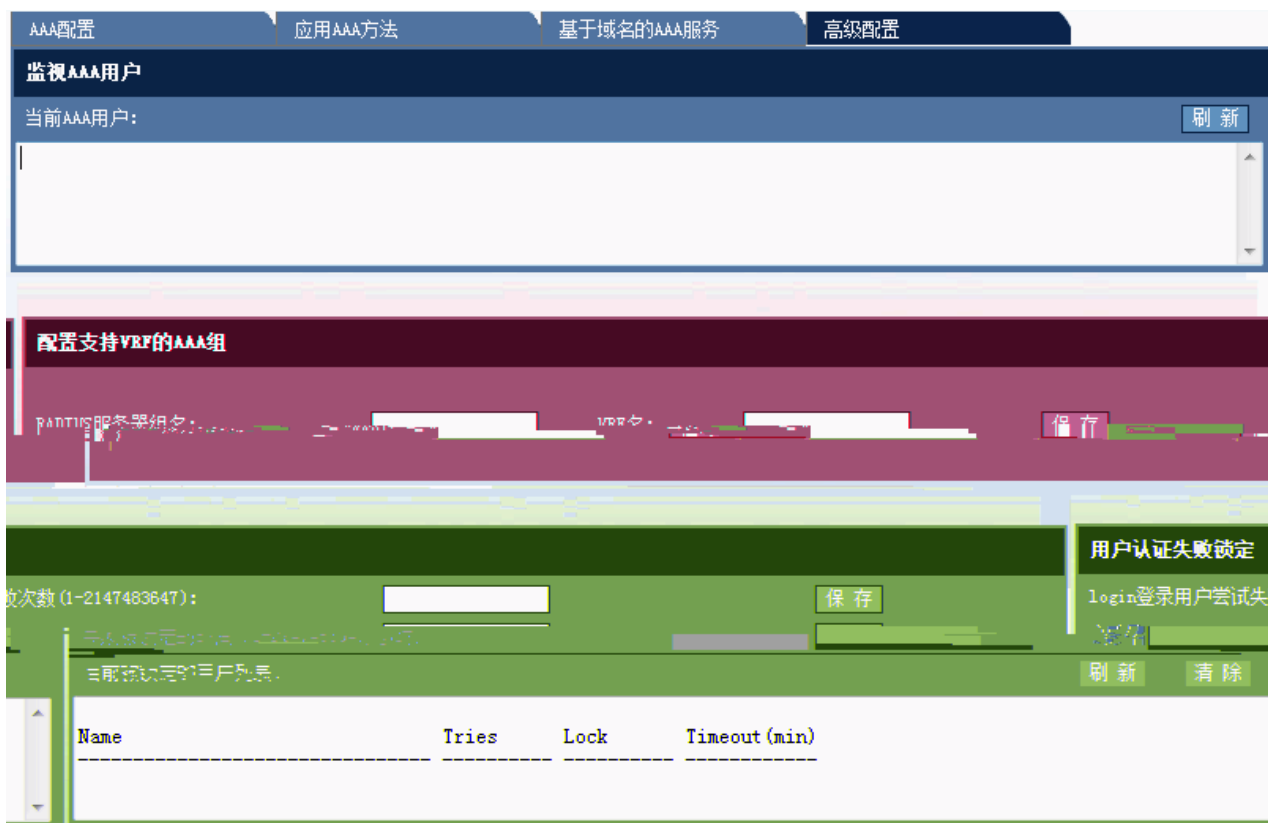
Dot1x

PPP

Access Limit

AAA Domain

4 AAA



56 AAA

AAA

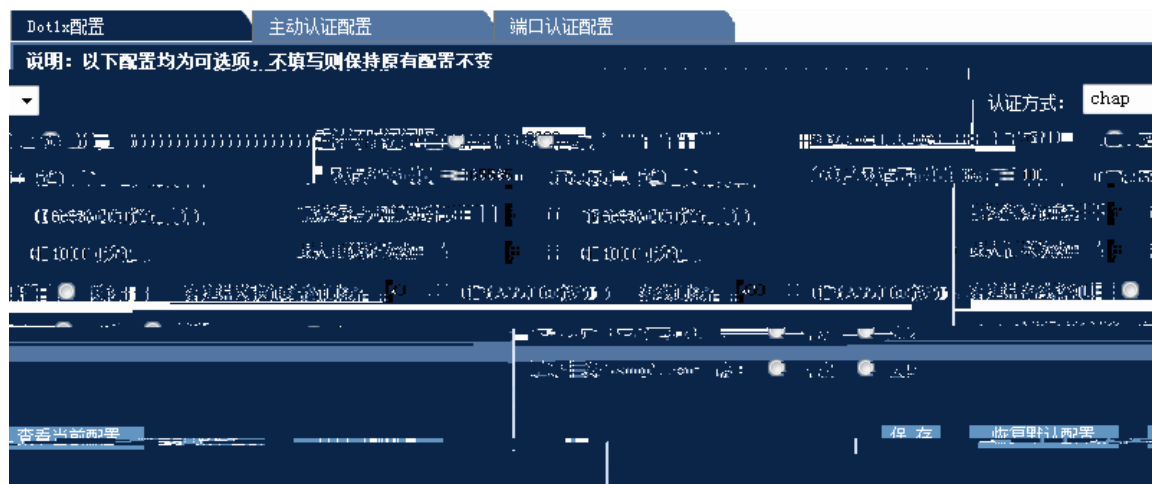
AAA

VRF AAA

2.3.11 Dot1x

Dot1x

1 Dot1x



57 Dot1x

Dot1x





60

2

802.1x

MAC

VLAN

2.3.12



61

	IP	MAC		
1	IP		MAC	MAC
2	ARP	IP	MAC	

智能绑定				
<input type="radio"/> 手动查找IP MAC对应信息		<input checked="" type="radio"/> 通过ARP表查看IP MAC对应信息		
序号	IP	MAC	Vlan	操作
1	192.168.23.14	bc30.5bbe.8f4f	1	绑定
2	192.168.23.39	0025.64c5.af05	1	绑定
3	192.168.23.55	001e.ec0e.70ee	1	绑定
4	192.168.23.66	0023.ae86.b116	1	绑定
5	192.168.23.76	00d0.f866.66e0	1	绑定
6	192.168.23.83	0025.64af.cdee	1	绑定
7	192.168.23.93	0025.64c5.8970	1	绑定
8	192.168.23.94	0025.64c5.b2b9	1	绑定

刷新

62 ARP

2.3.13 WEB

web

web

WEB



64

IP

3)



65

IP

4)

基本设置 免认证资源 免认证用户 应用于端口 显示认证配置和状态

应用于端口

端口: IP Only Mode

<input type="checkbox"/>	序号	端口	IP Only Mode
<input type="checkbox"/>	1	FastEthernet 0/1	YES
<input type="checkbox"/>	2	FastEthernet 0/3	YES

66

5)

基本设置 免认证资源 免认证用户 应用于端口 显示认证配置和状态

67

IP

2.3.14 DHCP Snooping

DHCP Snooping

DHCP Snooping

DHCP Snooping 设置

说明：DHCP Snooping就是DHCP窥探，通过对Client和服务端之间的DHCP交互报文进行窥探，实现对用户的监控，同时DHCP Snooping起到一个DHCP 报文过滤的功能，通过合理的配置实现对非法服务器的过滤。

开启DHCP Snooping功能 关闭DHCP Snooping功能

开启DHCP源MAC检查功能 关闭DHCP源MAC检查功能

DHCP Snooping 信任端口设置

端口：

DHCP Snooping配置信息

	端口	信任端口
限速		

68 DHCP Snooping

1)DHCP Snooping

2)DHCP Snooping

2.4 QOS

2.4.1



ACL

2.4.2



70

DSCP

2.4.3

流设置

说明：应用策略设置对端口的输入或输出流进行限制。

端 口： ▼

策略列表： [\(策略设置\)](#)

限速方向： 输入限速 输出限速

■	端口	方向	策略名	信任模式	COS
<input type="checkbox"/>	FastEthernet 0/1	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/2	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/3	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/4	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/5	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/6	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/7	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/8	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/9	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/10	-	-	-	-
<input type="checkbox"/>	FastEthernet 0/11	-	-	-	-

2.4.4



73

1)

Static

Sticky Mac

2)

Mac



75

Mac VLAN ID IP MAC Vlan

2.5

2.5.1

端口状态					
端口	状态	Vlan	双工	速率	端口类型
FastEthernet 0/1	down	1	Unknown	Unknown	copper
FastEthernet 0/2	down	2	Unknown	Unknown	copper
FastEthernet 0/3	up	1	Full	100M	copper
FastEthernet 0/4	down	800	Unknown	Unknown	copper
FastEthernet 0/5	down	1	Unknown	Unknown	copper
FastEthernet 0/6	down	1	Unknown	Unknown	copper
FastEthernet 0/7	down	1	Unknown	Unknown	copper
FastEthernet 0/8	down	1	Unknown	Unknown	copper
FastEthernet 0/9	down	1	Unknown	Unknown	copper
FastEthernet 0/10	down	1	Unknown	Unknown	copper

刷新

78

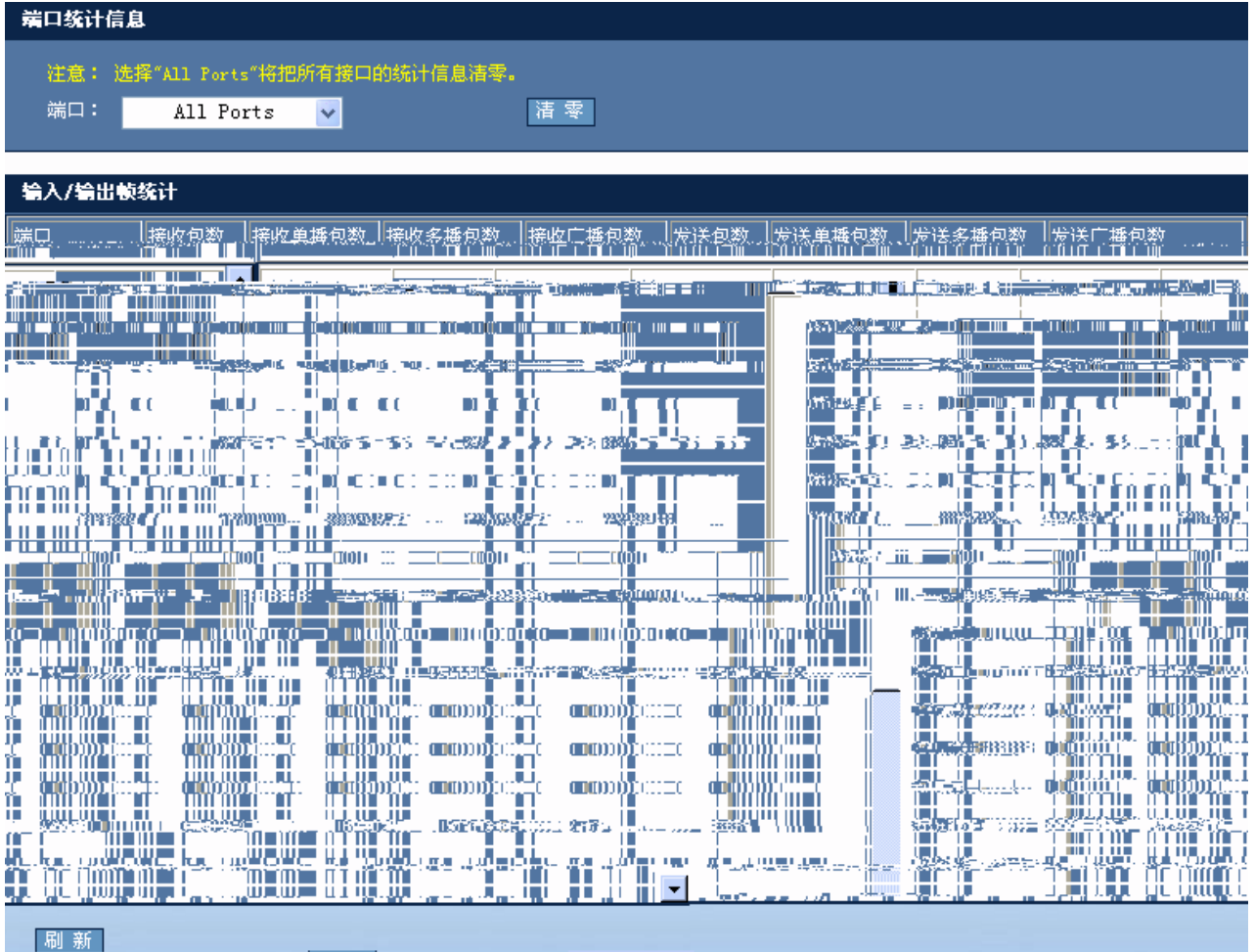
2.5.4

端口运行状态	
端口	带宽占用
FastEthernet 0/1	0%
FastEthernet 0/2	0%
FastEthernet 0/3	0%
FastEthernet 0/4	0%
FastEthernet 0/5	0%
FastEthernet 0/6	0%
FastEthernet 0/7	0%
FastEthernet 0/8	0%
FastEthernet 0/9	0%
FastEthernet 0/10	0%

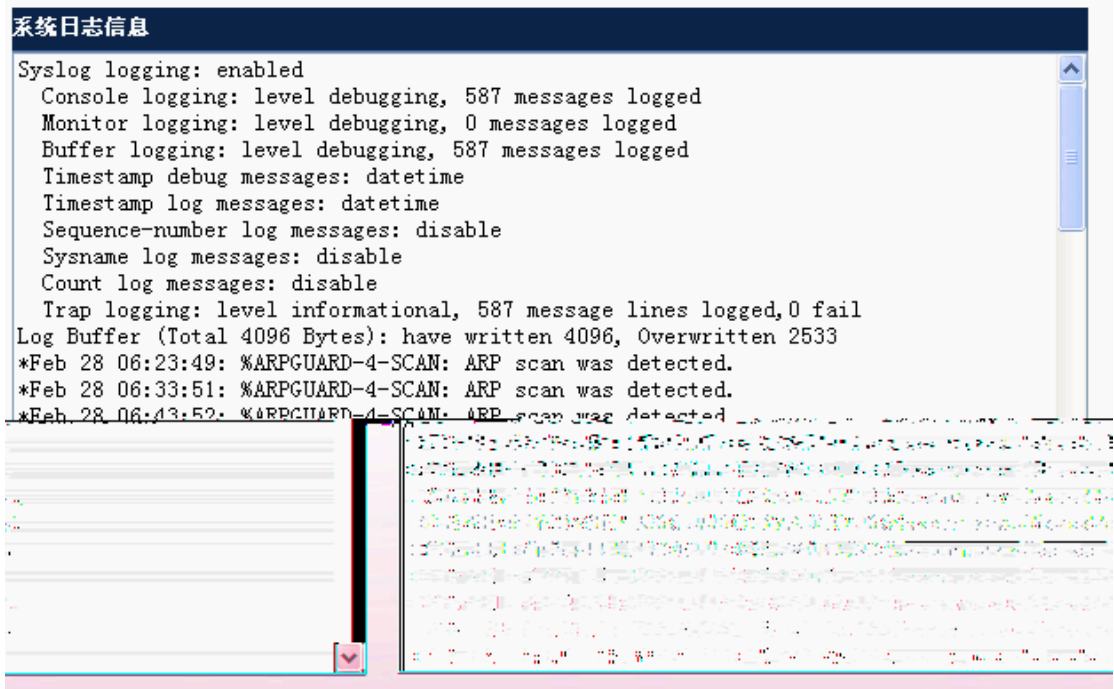
刷新

79

2.5.5



2.5.6



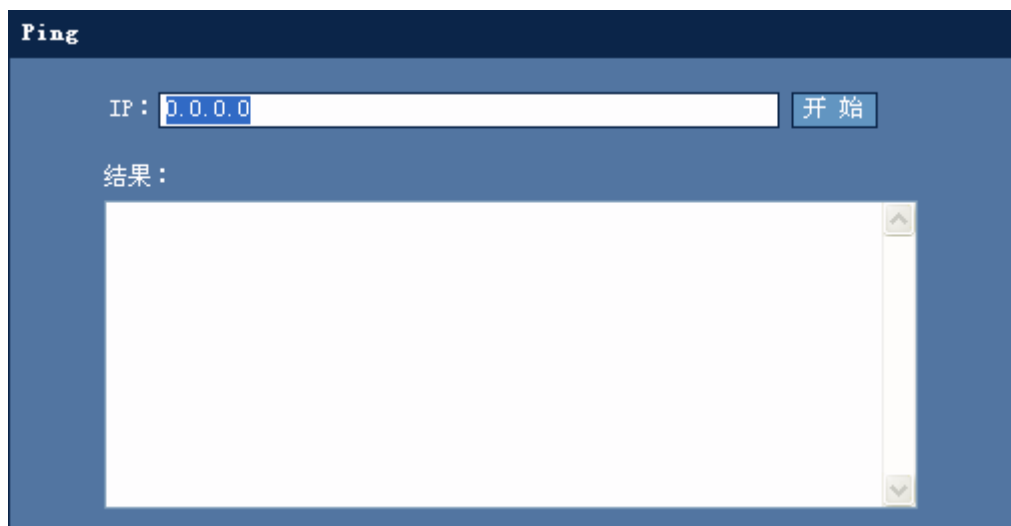
81

2.6

2.6.1 Ping

Ping

Ping



82 Ping

IP

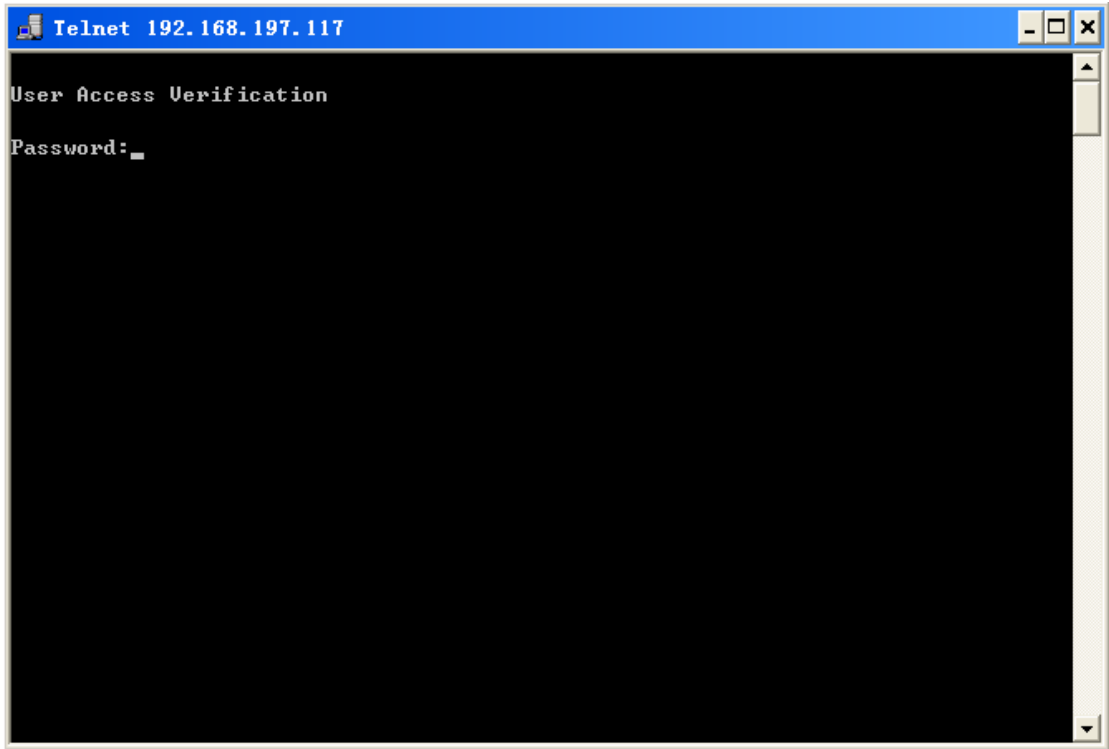
IP

Ping

2.6.2 Telnet

Telnet

Telnet



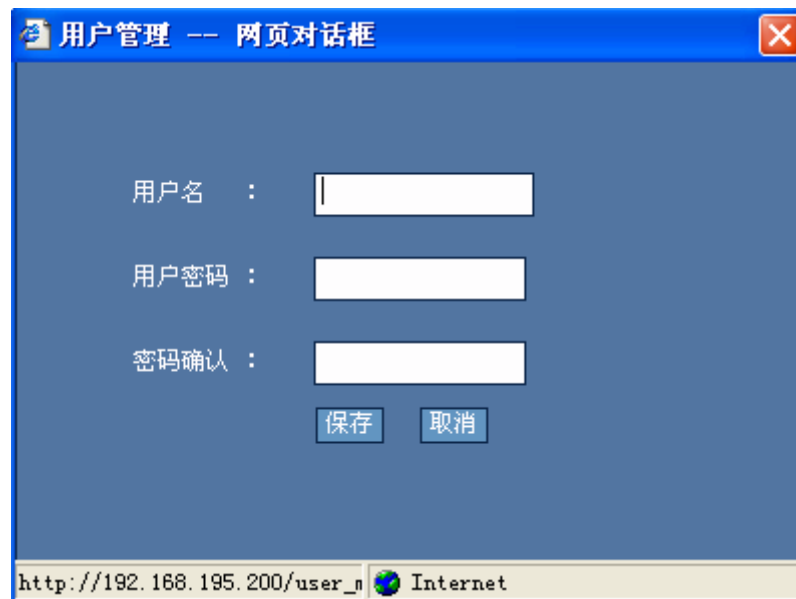
83 Telnet

PC Telnet Telnet PC Telnet

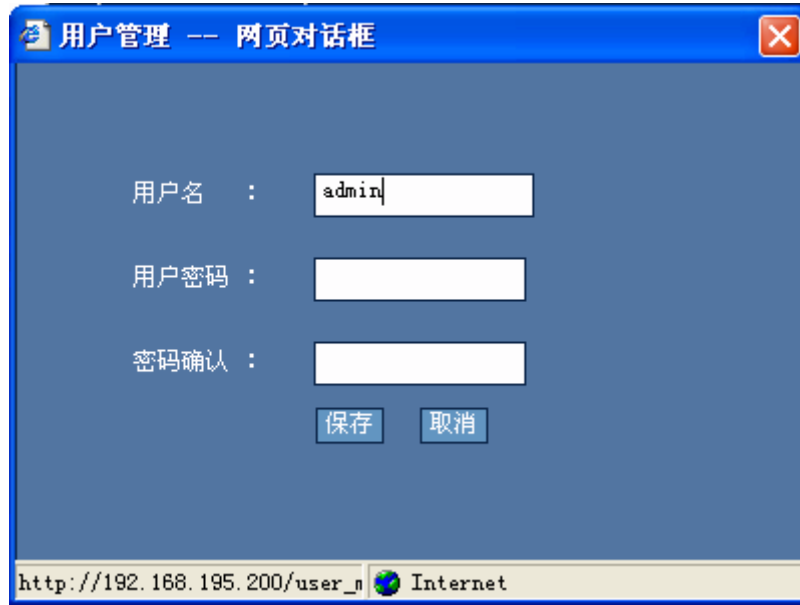
2.6.3



84



85



86



2.6.4

修改Enable口令

注意：如果您设置了新的Enable口令，则在设置之后使用新口令重新登录。

新口令：

确认新口令：

保存

修改Telnet登录口令

新口令：

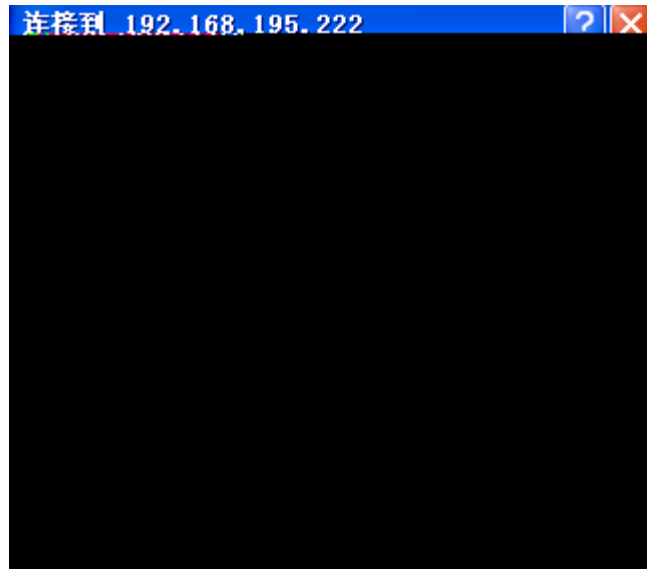
确认新口令：

保存

87

1) Enable

Enable



88

2) Telnet

Telnet

2.6.5 /



89 /

config.text

TFTP

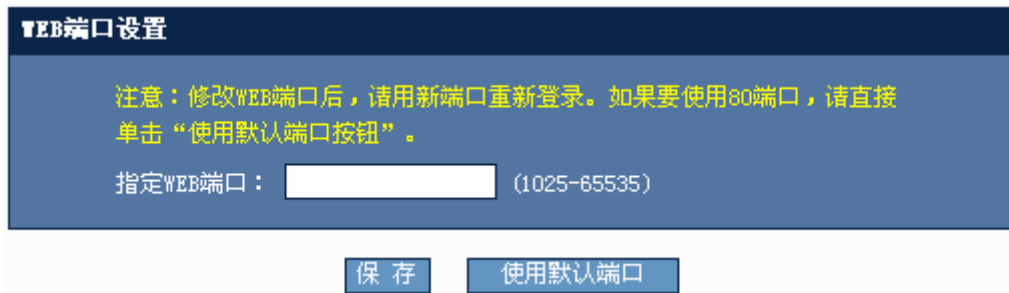
IP

TFTP

2.6.6 WEB

WEB

WEB



90 WEB

8080 IP 192.168.1.1 <http://192.168.1.1:8080>
. , \$, \$

a. config

```
Ruijie#configure
```

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

b. WEB

```
Ruijie(config)#enable service web-server
```

c. WEB Enable

```
Ruijie(config)#ip http authentication enable
```

d. Enable

```
Ruijie(config)#enable password admin
```

e. IP

```
Ruijie(config)#interface vlan 1
```

```
Ruijie(config-if-VLAN 1)#ip address 192.168.100.1 255.255.255.0
```

2.8.5**1 Local**

```
Ruijie(config)#show running-config
```

```
Building configuration...
```

```
Current configuration : 2014 bytes
```

```
!
```

```
version RGOS 10.2(4), Release(55435)(Wed May 13 11:50:07 CST 2009 -ngcf32)
```

```
vlan 1
```

```
username admin password admin //WEB
```

```
username admin privilege 15 //WEB 15
```

```
no service password-encryption
```

```
ip http authentication local //WEB local
```

```
!
```

```
enable service web-server // WEB
```

```
!
```

```
.....
```

```
.....
```

```
!
```

```
interface VLAN 1
```

```
ip address 192.168.100.1 255.255.255.0 // IP
```

```
no shutdown
```

```
!  
!  
line con 0  
line vty 0 4  
  login  
!  
!  
end
```

2 Enable

```
Ruijie(config)#show running-config
```

```
Building configuration...
```

```
Current configuration : 2014 bytes
```

```
!  
version RGOS 10.2(4), Release(55435)(Wed May 13 11:50:07 CST 2009 -ngcf32)  
vlan 1  
  
no service password-encryption  
!  
enable password admin //WEB Enable  
enable service web-server // WEB  
!  
....  
.....  
!  
interface VLAN 1  
  
  ip address 192.168.100.1 255.255.255.0 // IP  
  
  no shutdown  
!  
!  
line con 0  
line vty 0 4  
  login  
!  
!  
end
```