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RGOS 10.4 (5b2)p7

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<http://www.ruijie.com.cn/> Â

<http://webchat.ruijie.com.cn>Â

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

7 × 24

☎ 4008-111-000

<http://bbs.ruijie.com.cn/portal.php>

✉ service@ruijie.com.cn

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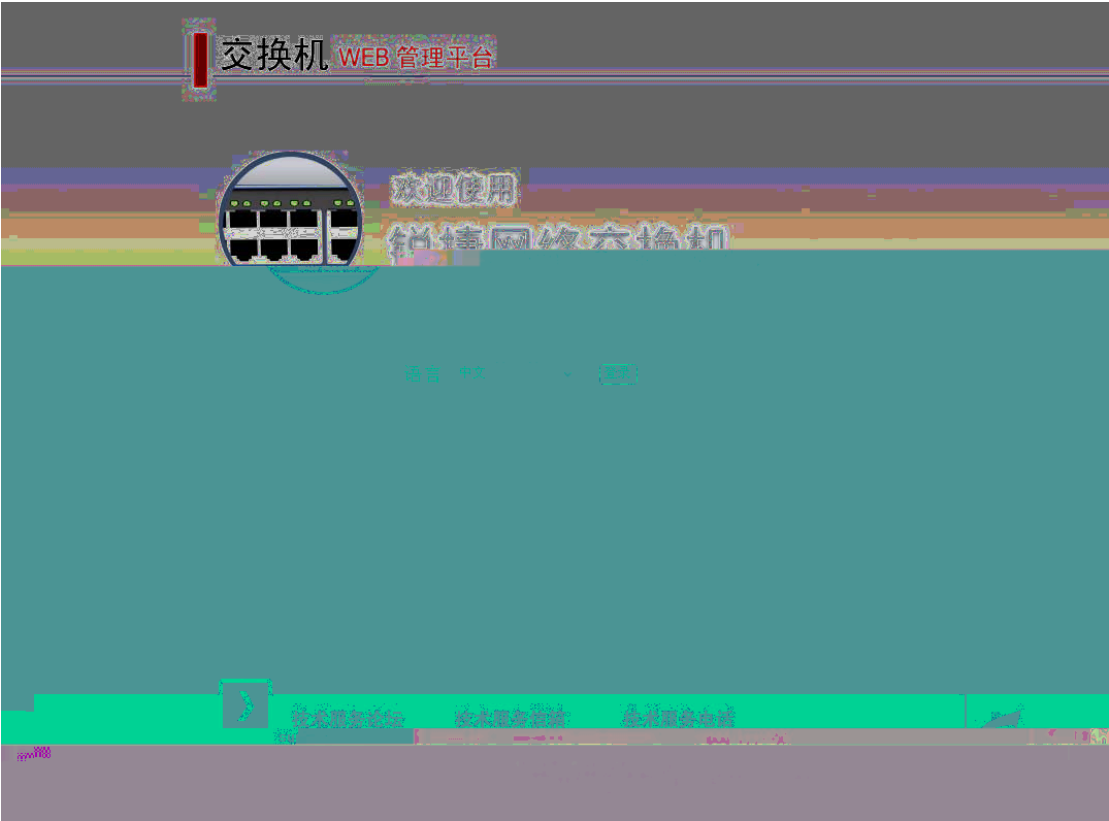
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1 WEB

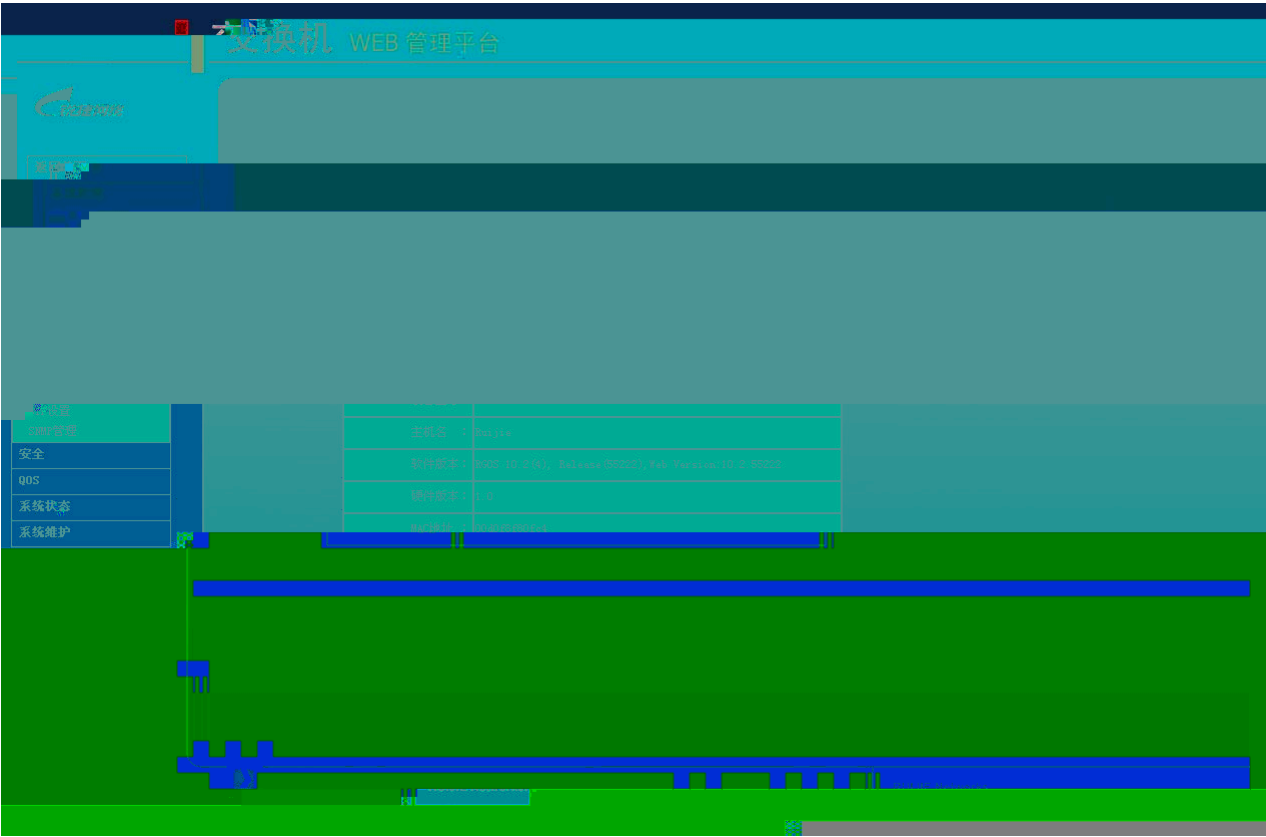
1.1 WEB

WEB



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1.5

1.5.1 IP

IP 地址

IP 地址

1-4 IP

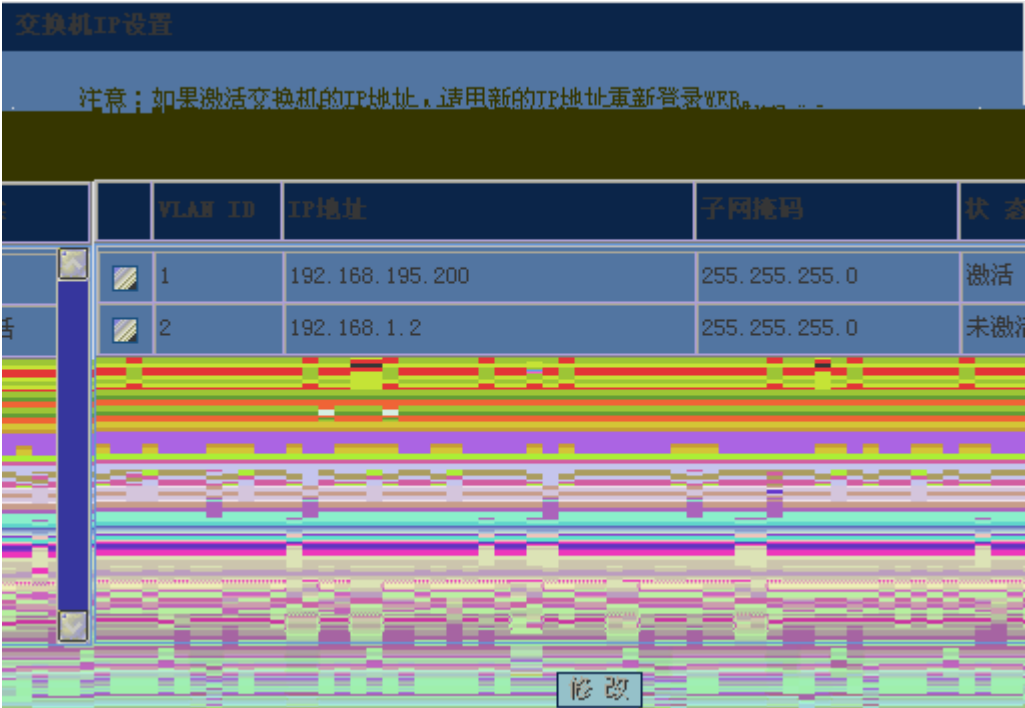


图 1-5 交换机 IP 地址设置

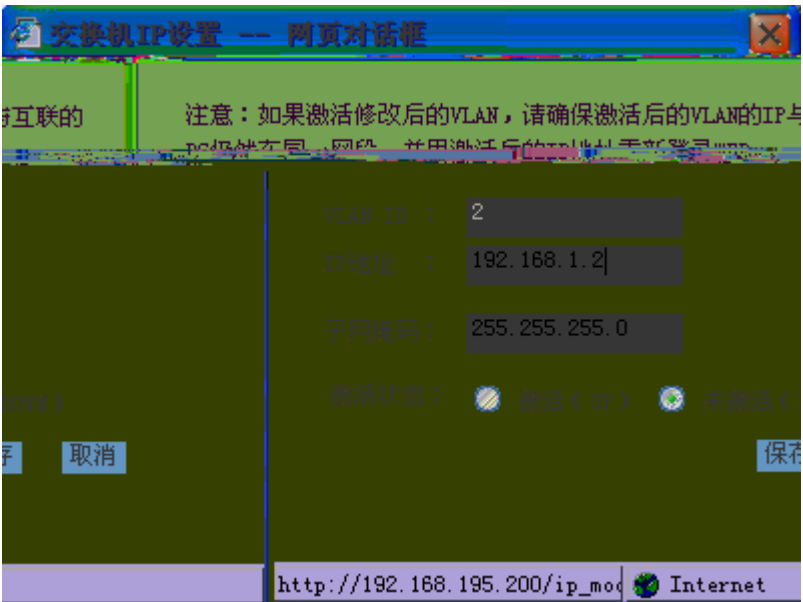


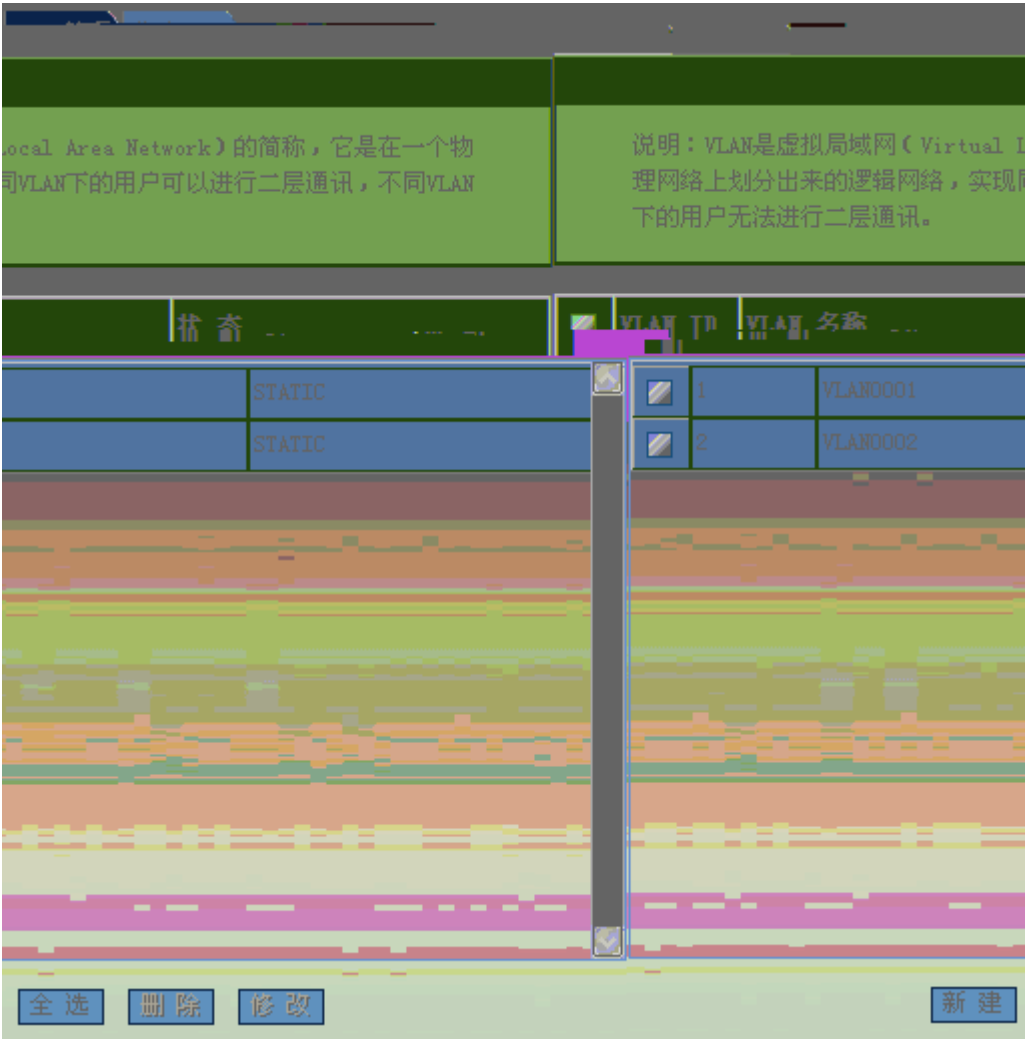
图 1-6 交换机 IP 地址设置对话框

1.5.2 VLAN

1.5.2.1 VLAN 简介

VLAN

1-6 VLAN



VLAN

VLAN 1-7



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VLAN		I	P	E	HQ	'

100% of the respondents were female, and 90% were aged 18-24 years. The majority of respondents were students (80%), and 10% were employed. The majority of respondents were from the United States (60%), and 40% were from other countries. The majority of respondents were from the United States (60%), and 40% were from other countries.

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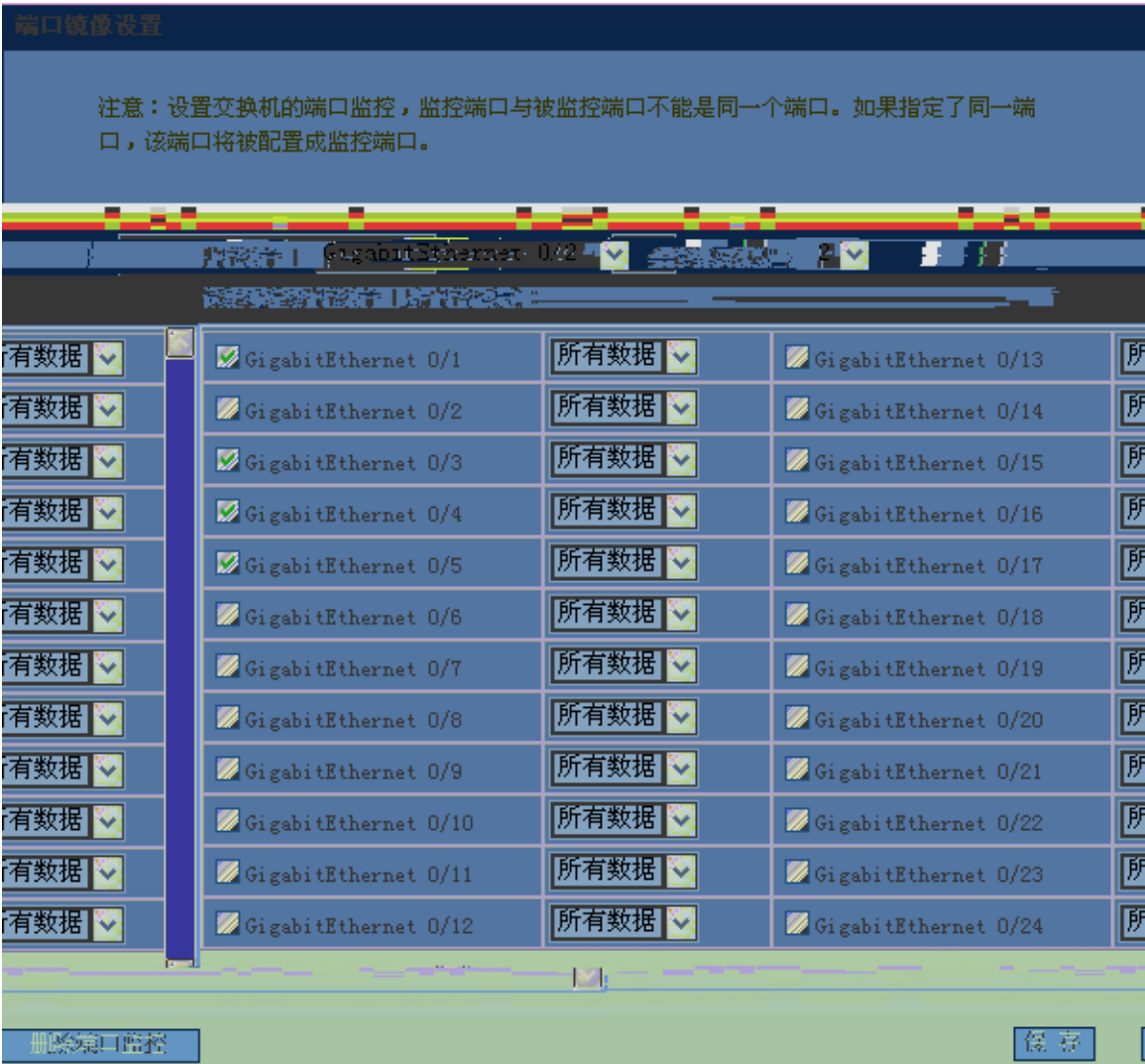
IP

1.5.4

1-11

路由设置				
☒	序号	IP地址	子网掩码	下一跳
☒	1	2.2.2.0	255.255.255.0	1.1.1.1
☒	2	192.168.23.240	255.255.255.240	192.168.23.1

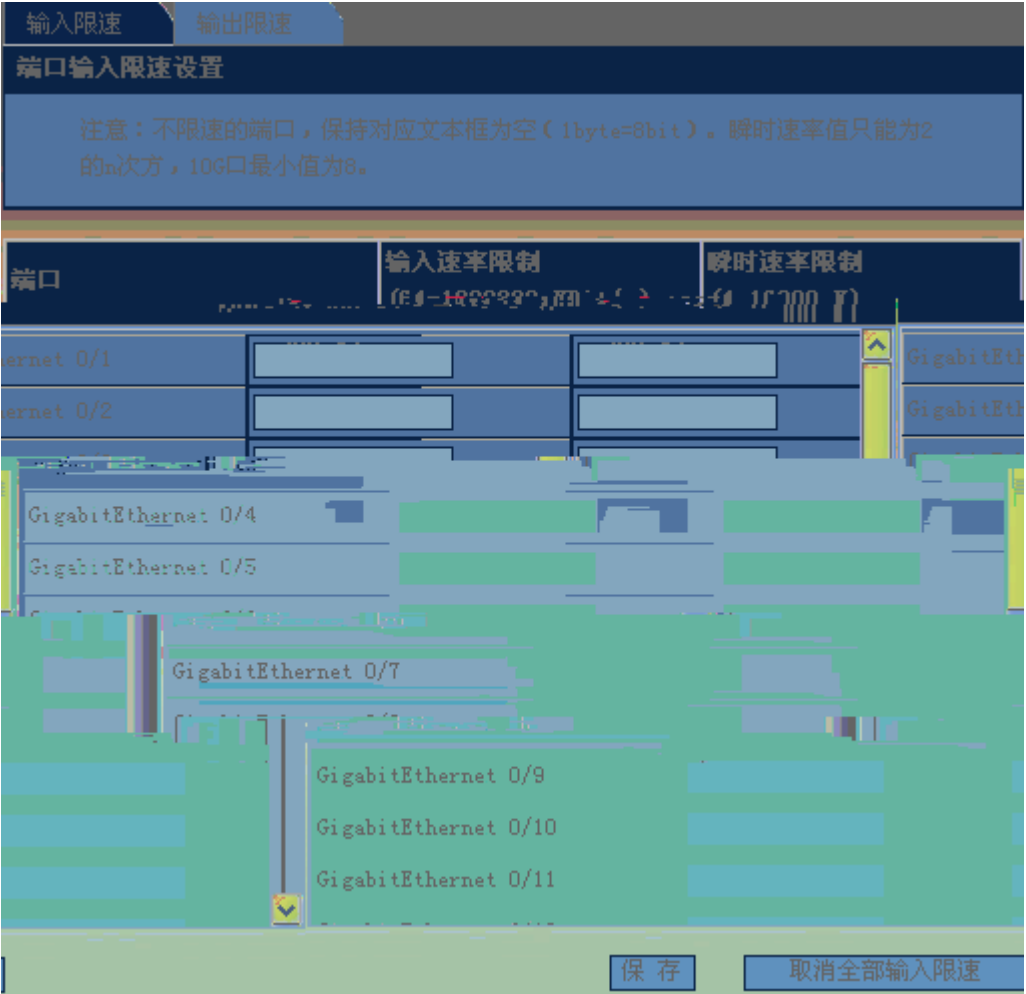
1-12



1.5.6

1.5.6

1-14



1-15

输入限速

输出限速

端口输出限速设置

注意：不限速的端口，保持对应文本框为空（1byte=8bit）。瞬时速率值只能为2的n次方，10G口最小值为8。

端口	输出速率限制 (64-1000000 Kbit/s)	瞬时速率限制 (4-16380 K)
GigabitEthernet 0/1		
GigabitEthernet 0/2		
GigabitEthernet 0/3		
GigabitEthernet 0/4		
GigabitEthernet 0/5		
GigabitEthernet 0/6		
GigabitEthernet 0/7		
GigabitEthernet 0/8		
GigabitEthernet 0/9		
GigabitEthernet 0/10		
GigabitEthernet 0/11		
GigabitEthernet 0/12		

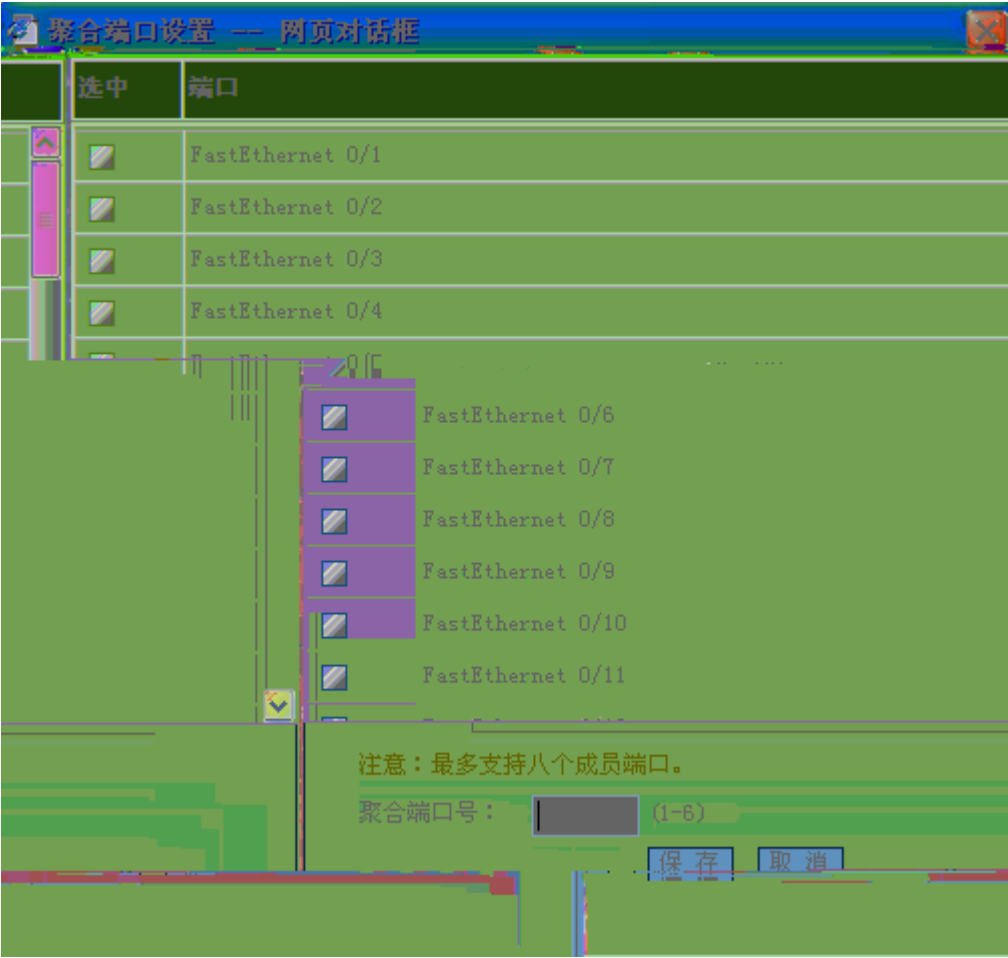
保 存

取消全部输出限速

1.5.7 配置策略路由

1.5.7

1.5.7.1 配置策略路由



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端口设置

注意：若选择的参数该端口不支持，对应的参数设置将不生效！

端口：

状态：

Up

 双工：

Half

 速率：

10

 流控：

On

描述：

保存

端口	状态	双工	速率(M)	流控	描述
Gi0/1	Down	Half	10	On	-
Gi0/2	Down	Half	10	On	-
Gi0/3	Down	Full	1000	Off	-
Gi0/4	Down	Auto	Auto	Off	-
Gi0/5	Down	Full	100	Off	-
Gi0/6	Down	Auto	Auto	Off	-
Gi0/7	Up	Full	100	Off	-
Gi0/8	Down	Auto	Auto	Off	-
Gi0/9	Down	Full	100	Off	-
Gi0/10	Down	Auto	Auto	Off	-
Gi0/11	Down	Auto	Auto	Off	-
Gi0/12	Down	Auto	Auto	Off	-

刷新

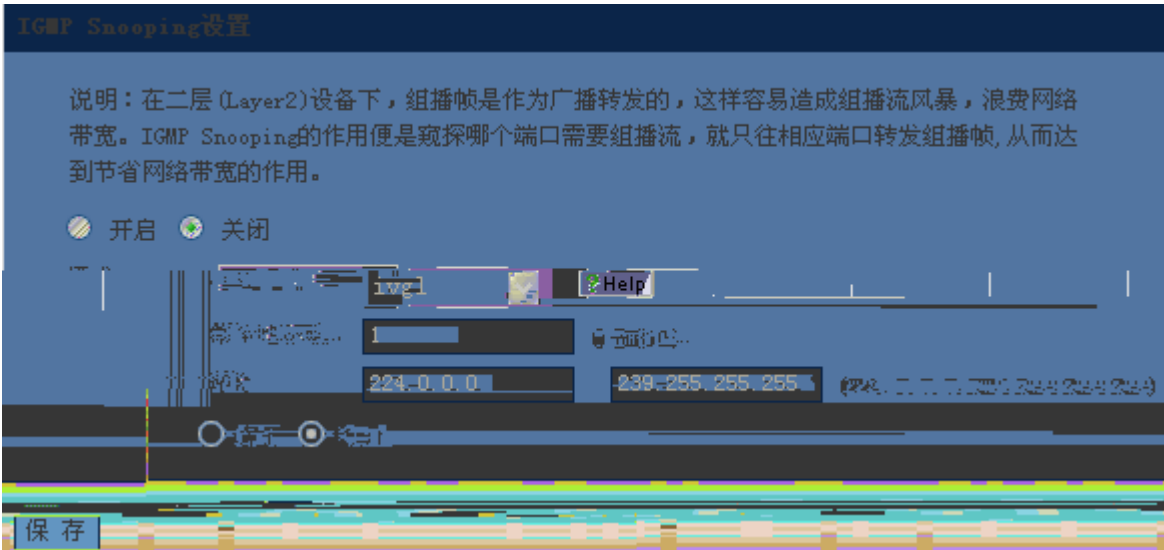
1.5.9 DHCP

配置 DHCP 服务器

DHCP 服务器配置

1-19 DHCP





IGMP Snooping 开启 关闭 帮助

组播地址	端口	状态
224.0.0.0	239.255.255.255	(224.0.0.0, 239.255.255.255)

保存

1.5.11 STP

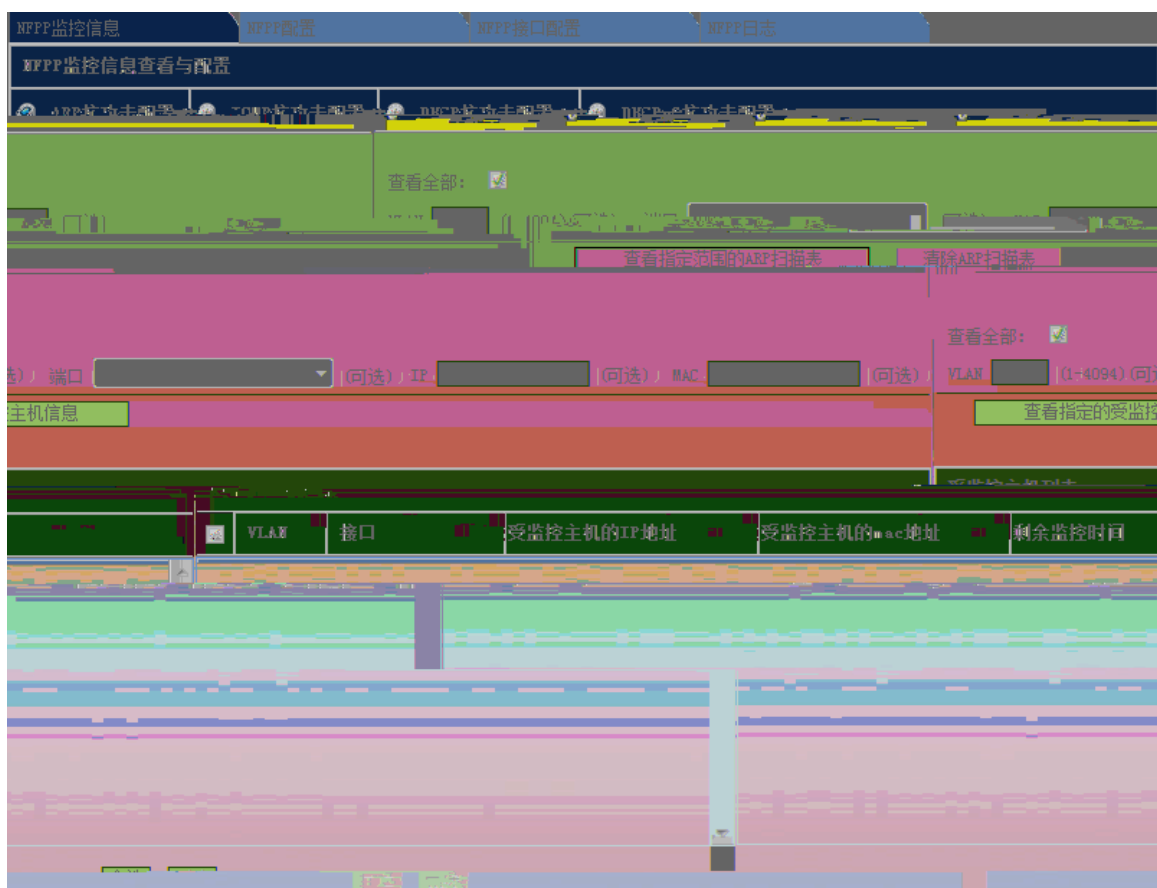
STP 配置

1-21 STP

SNMP I' SNMP E
I' E A SNMP 1 2 " ä ‡
A " I' SNMP E ‡ I' E A
 ‡ I' E A

1.5.13 NFPP

I' NFPP E A
NFPP
1-23 NFPP



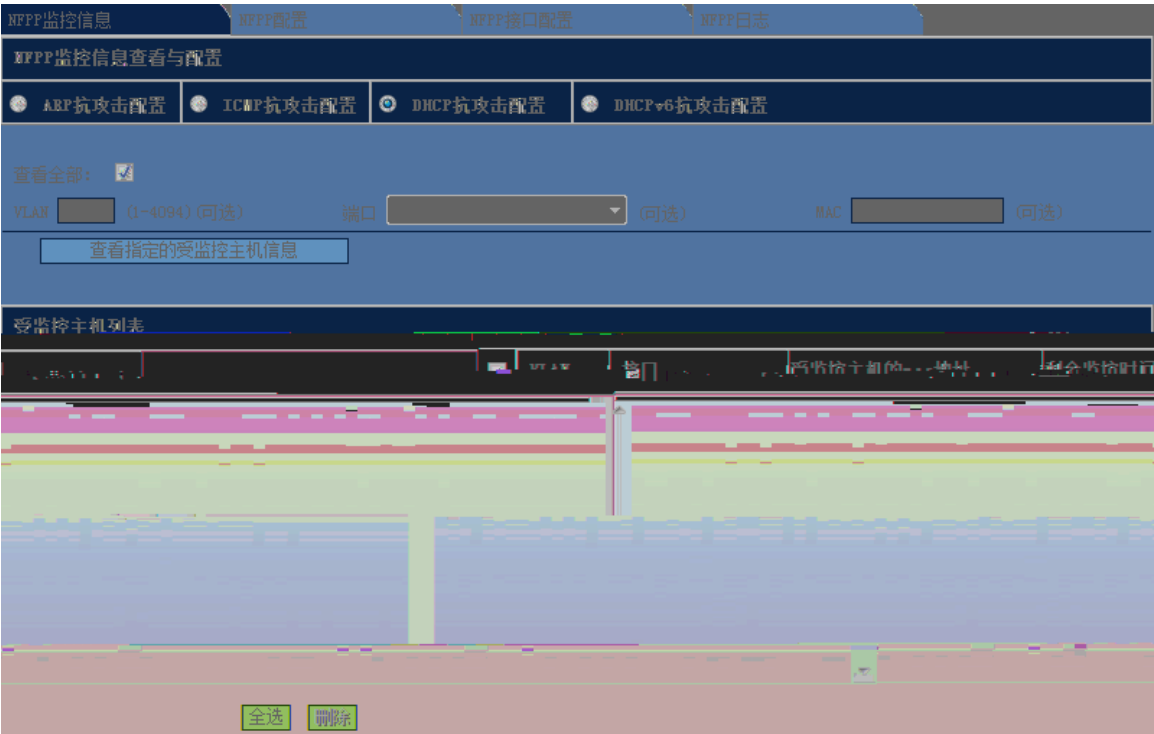
NFPP

1) ARP

1-24 NFPP —ARP

[illegible]

1-25 NFPP —ICMP



DHCP

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4) DHCPv6

1-27 NFPP —DHCPv6

DHCPv6

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2) NFPP

1-30 NFPP

NFPP
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а 1 А
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Э а й а

NFPP

1) ARP

1-31 NFPP —NFPP ARP

NFPP接口信息配置

☒ 开启ICMP抗攻击
 ☐ 关闭ICMP抗攻击
 ☐ 默认
 接口: **FastEthernet 0/1**

限速值: **1112** (1-9999) 攻击阈值: **1222** (1-9999) 基于ip/vid/端口识别主机(可选): 限

限速值: **1322** (1-9999) 攻击阈值: **2222** (1-9999) 基于port端口识别主机(可选): 限

0-86400) (可选) ☒ 永久隔离 隔离时间: **Permanent** (0/3

保存

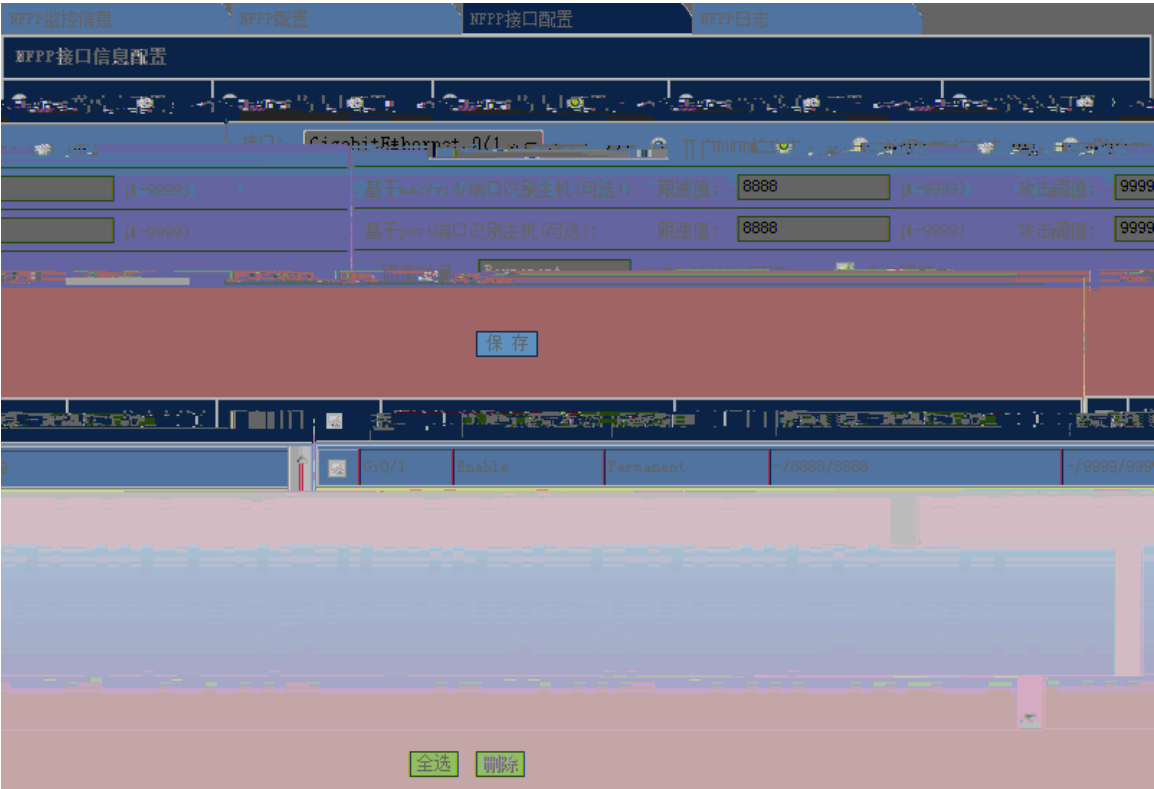
隔离时间	限速值 (基于IP/MAC/PORT)	攻击阈值 (基于IP/MAC/PORT)	接口	ICMP攻击状态	备注
Permanent	1112/-/1322	1222/-/2222	Fa0/1	Enable	Per

ICMP NFPP 1 1 E

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3) DHCP

1-33 NFPP —NFPP DHCP



DHCP NFPP 1 1 1

1 1 Ю a ÿ Â

4) DHCPv6

1-34 NFPP —NFPP DHCPv6

NFPP配置

NFPP接口配置

NFPP日志

攻击配置

ND攻击配置

ARP攻击配置

ICMP攻击配置

DHCP攻击配置

DHCPv6攻击配置

攻击

默认

9999

(1-9999)

9999

(1-9999)

接口: GigabitEthernet 0/1

开启DHCPv6攻击

关闭DHCPv6攻击

基于mac/vl2/端口识别主机 (可选):

限速值: 8888

(1-9999)

攻击阈值:

基于port/端口识别主机 (可选):

限速值: 8888

(1-9999)

攻击阈值:

隔离时间: Permanent

(0/30-86400) (可选)

永久隔离

保存

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)
	Gi0/1	Enable	Permanent	-/8888/8888	-/9999/9999

全选

删除

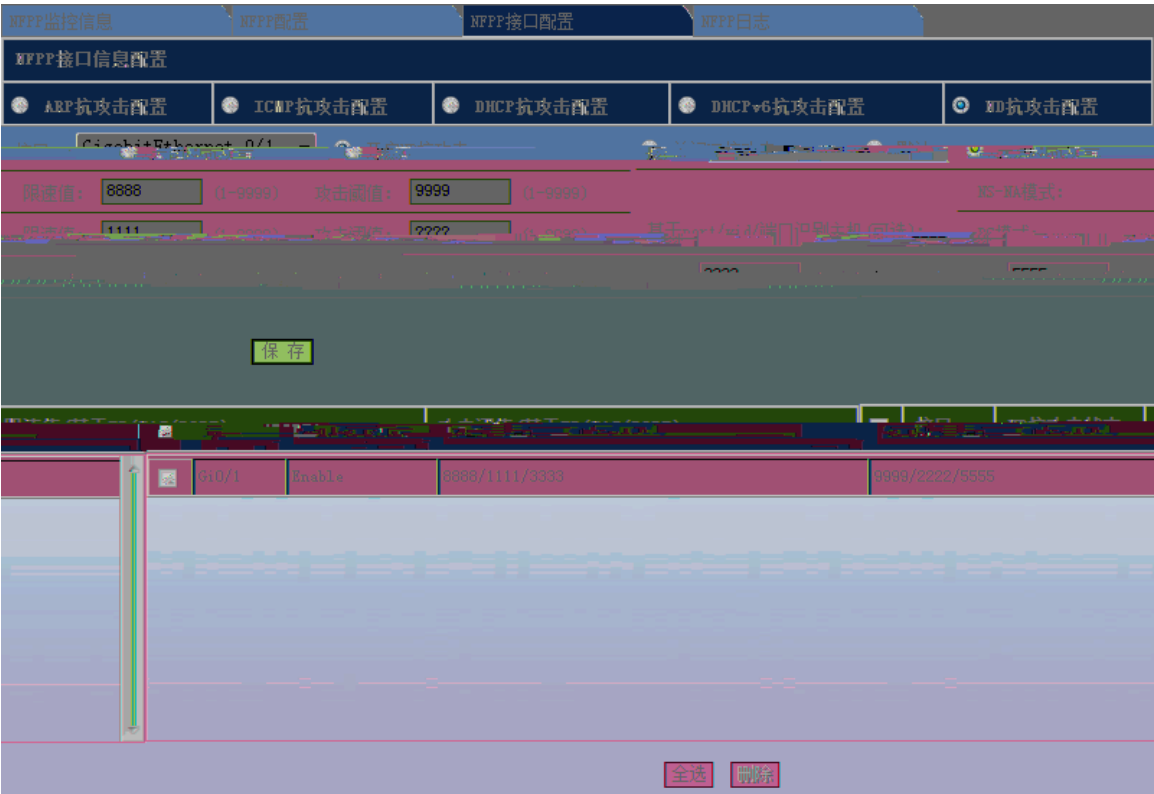
DHCPv6NFPP

ND

IOa

5) ND

1-35NFPP—NFPPND

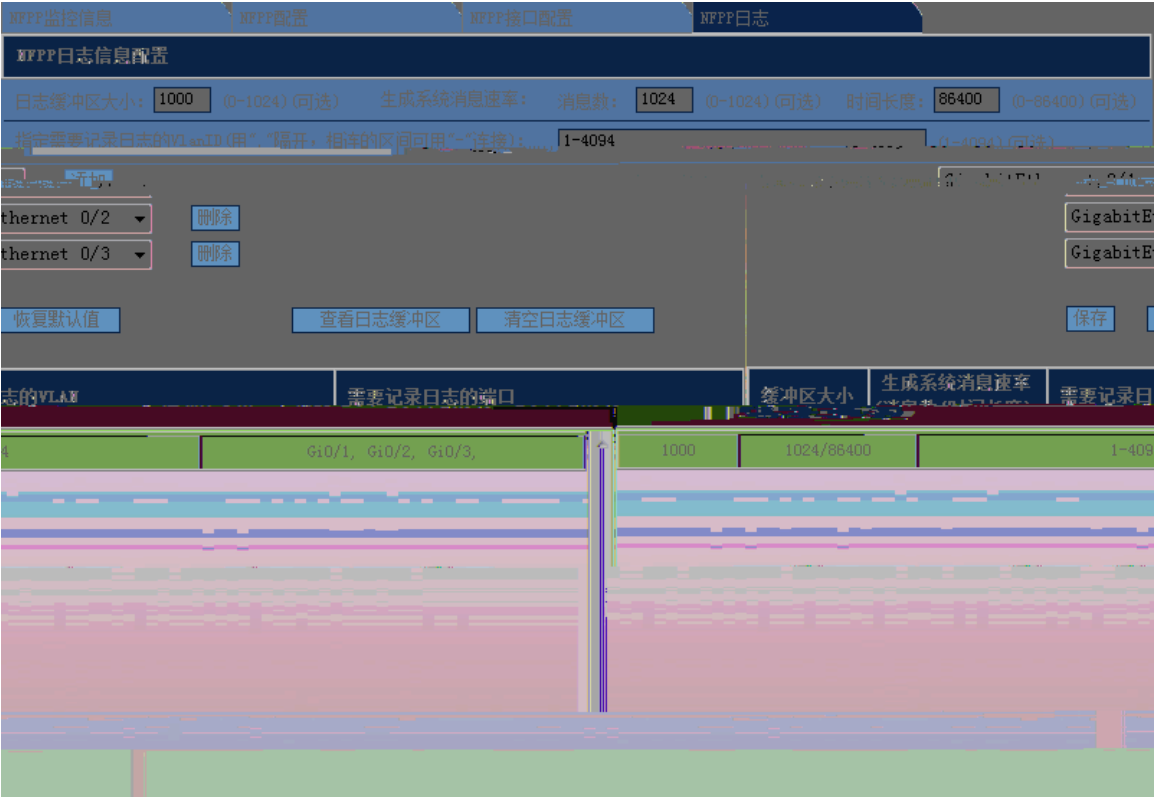


ND NFPP 1 1 1

1 1 1 1 1 1 1

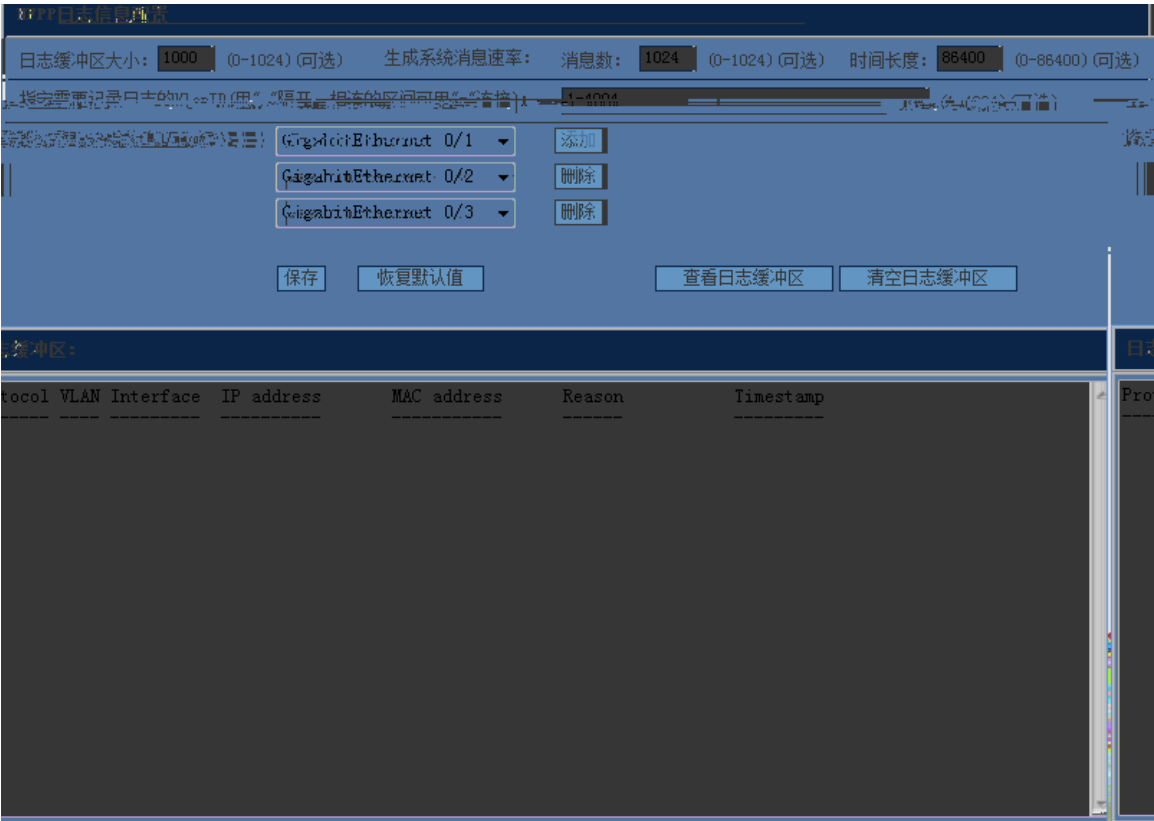
NFPP

1-36 NFPP



NFPP

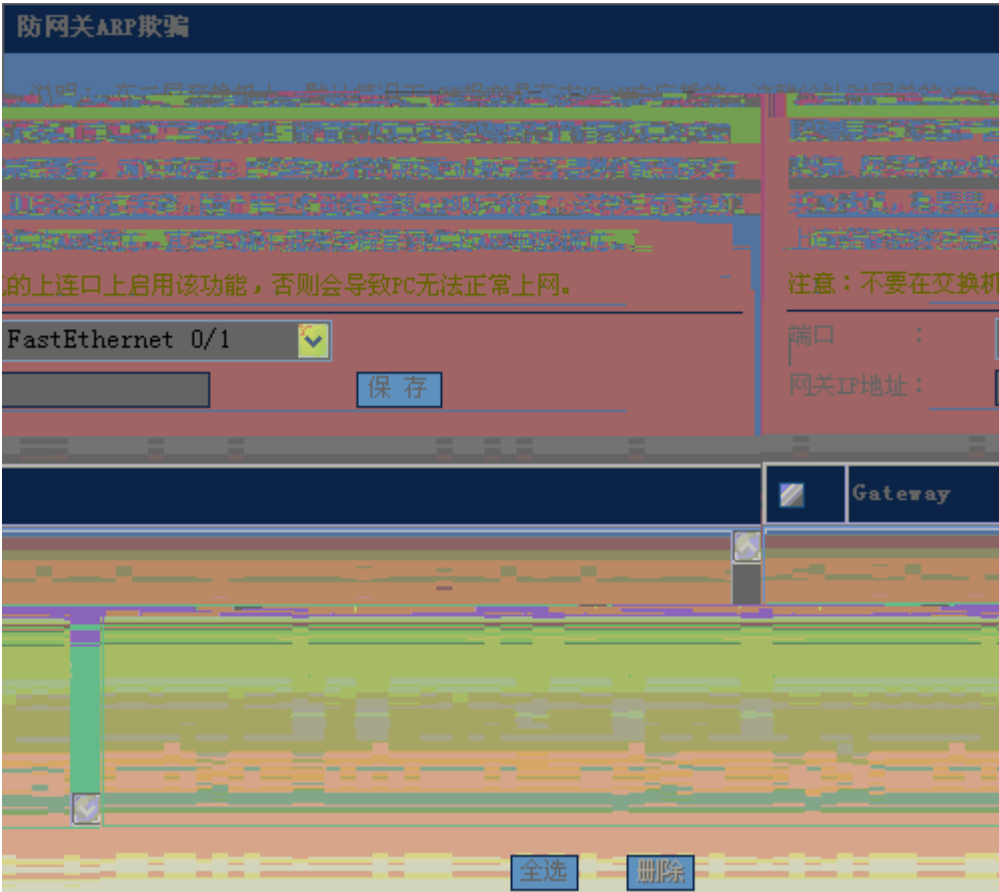
1-37



1.6

1.6.1 ARP

1-38 ARP



1.6.2 ARP

防ARP欺骗

ARP

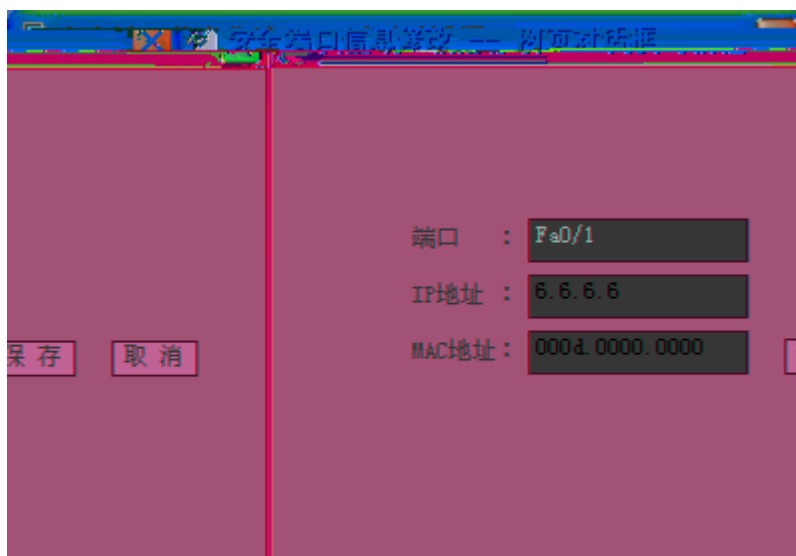
1-39 ARP



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1.6.3 ARP

1 ARP L 1 Â

ARP

1-41 ARP



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1 1 ARP L

1 ARP L

1.6.4 ACL

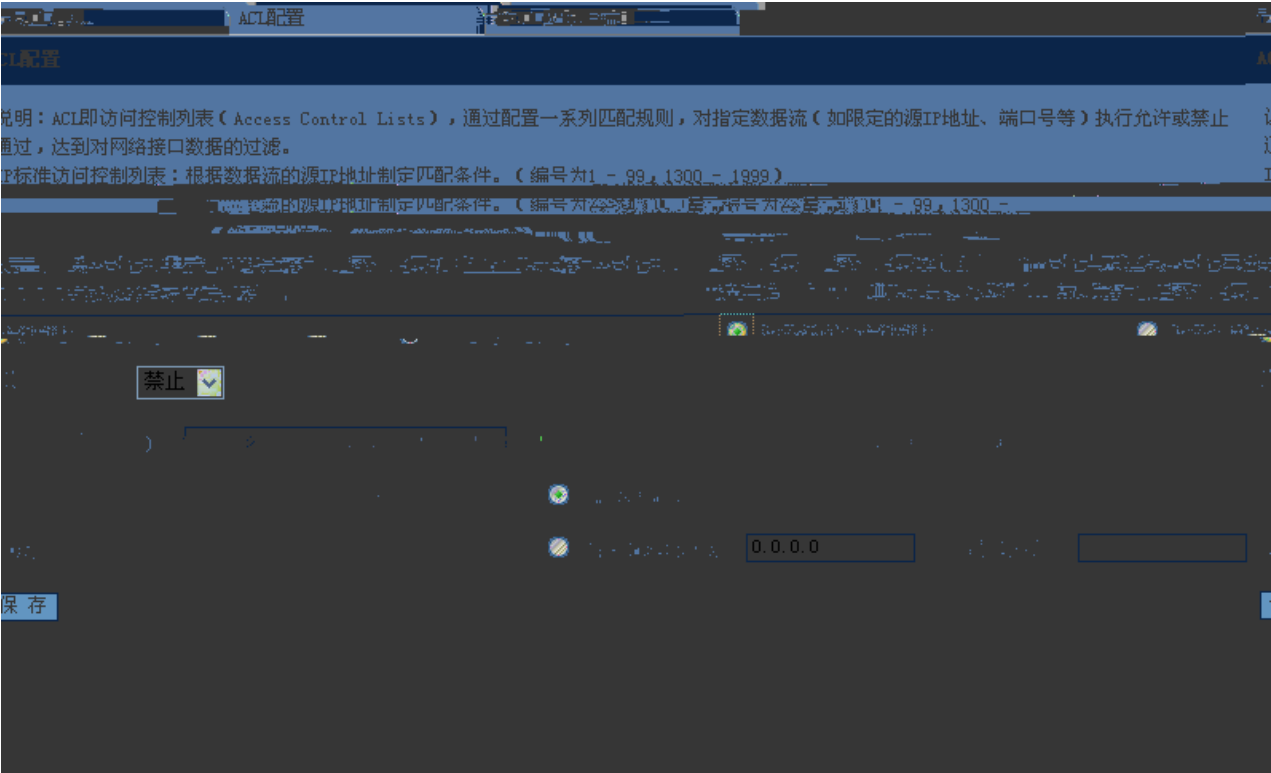
1 ACL L 1 Â

ACL

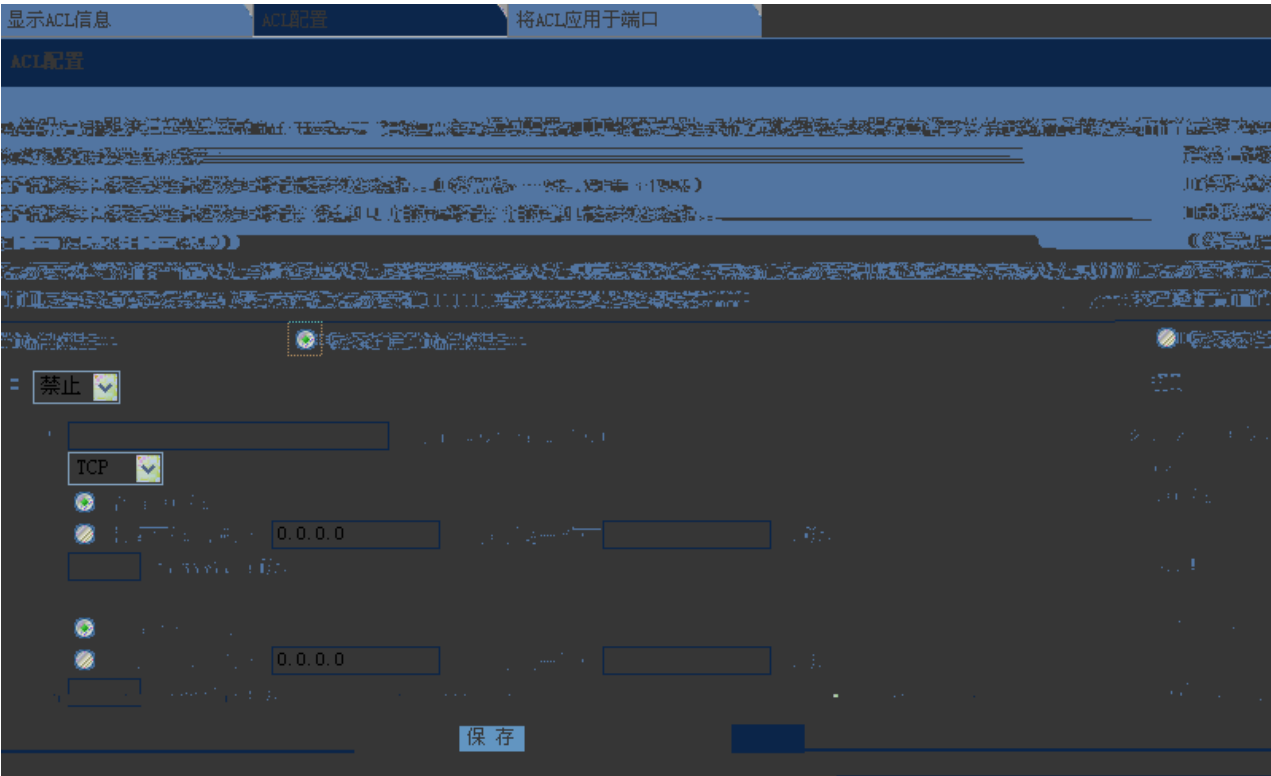
1-42 ACL

[illegible]

1-43 IP IP L Ю й IP



说明：ACL即访问控制列表（Access Control Lists），通过配置一系列匹配规则，对指定数据流（如限定的源IP地址、端口号等）执行允许或禁止通过，达到对网络接口数据的过滤。	
标准访问控制列表：根据数据流的源IP地址制定匹配条件。（编号为1 - 99，1300 - 1999）	
源IP地址	源端口
禁止	0.0.0.0
保存	



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TCP à UDP à IP à ICMP

IP € / ЛЪ IP IP ÿ / Â

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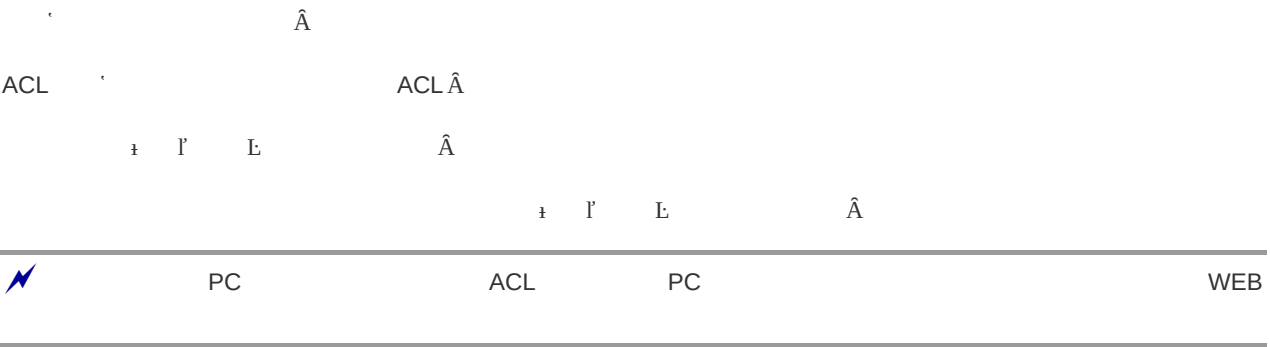
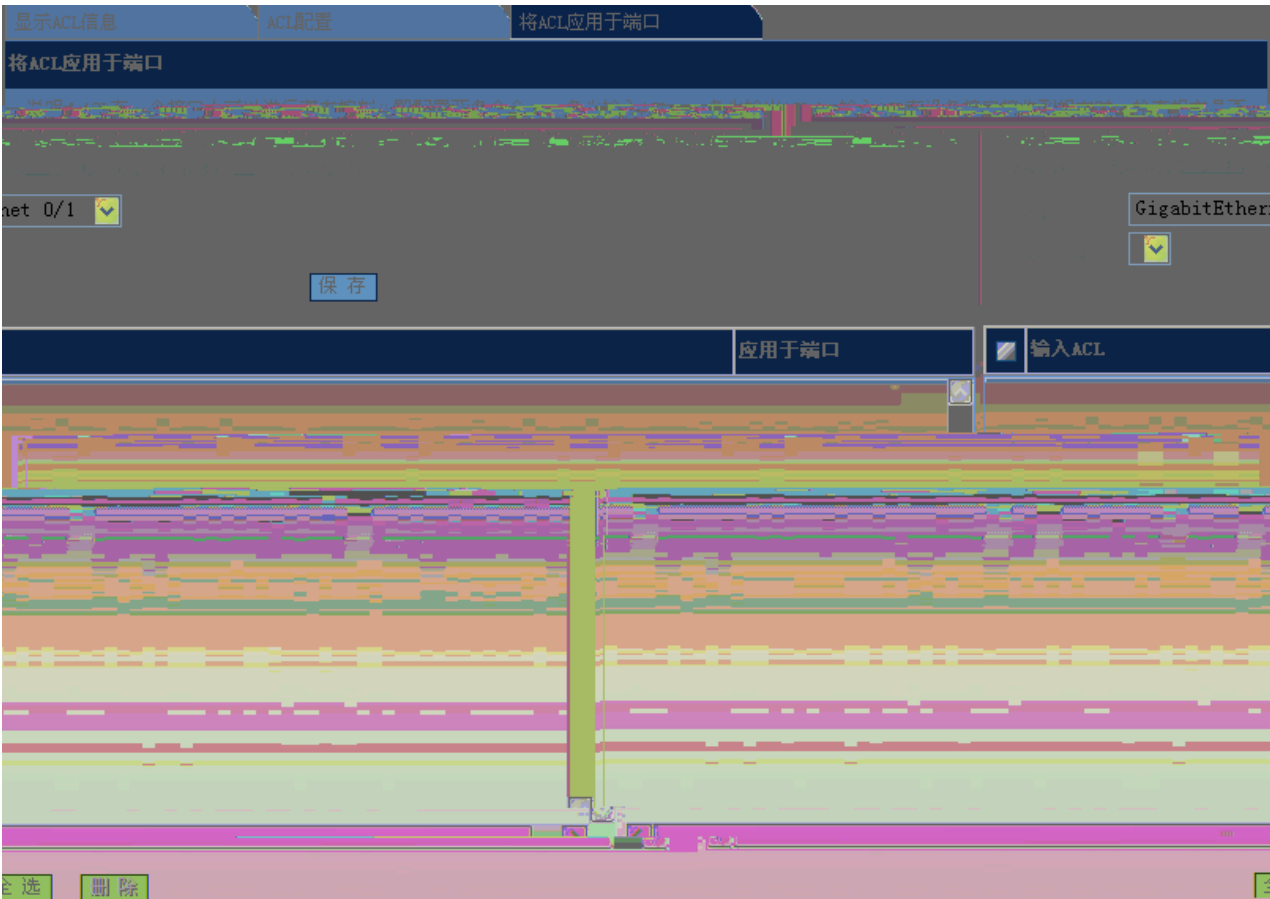
IP € / ЛЪ IP IP ÿ /

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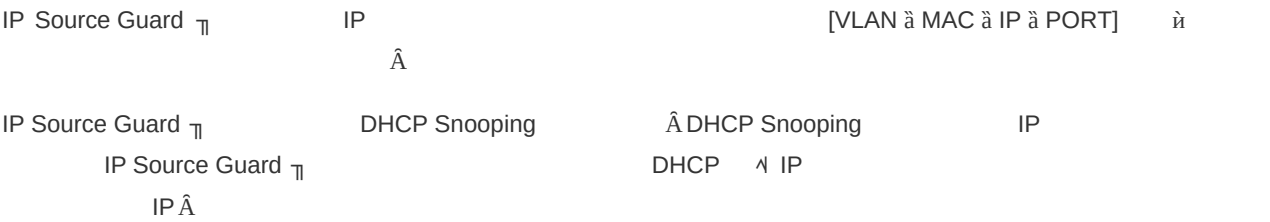
ACL

1-45 ACL



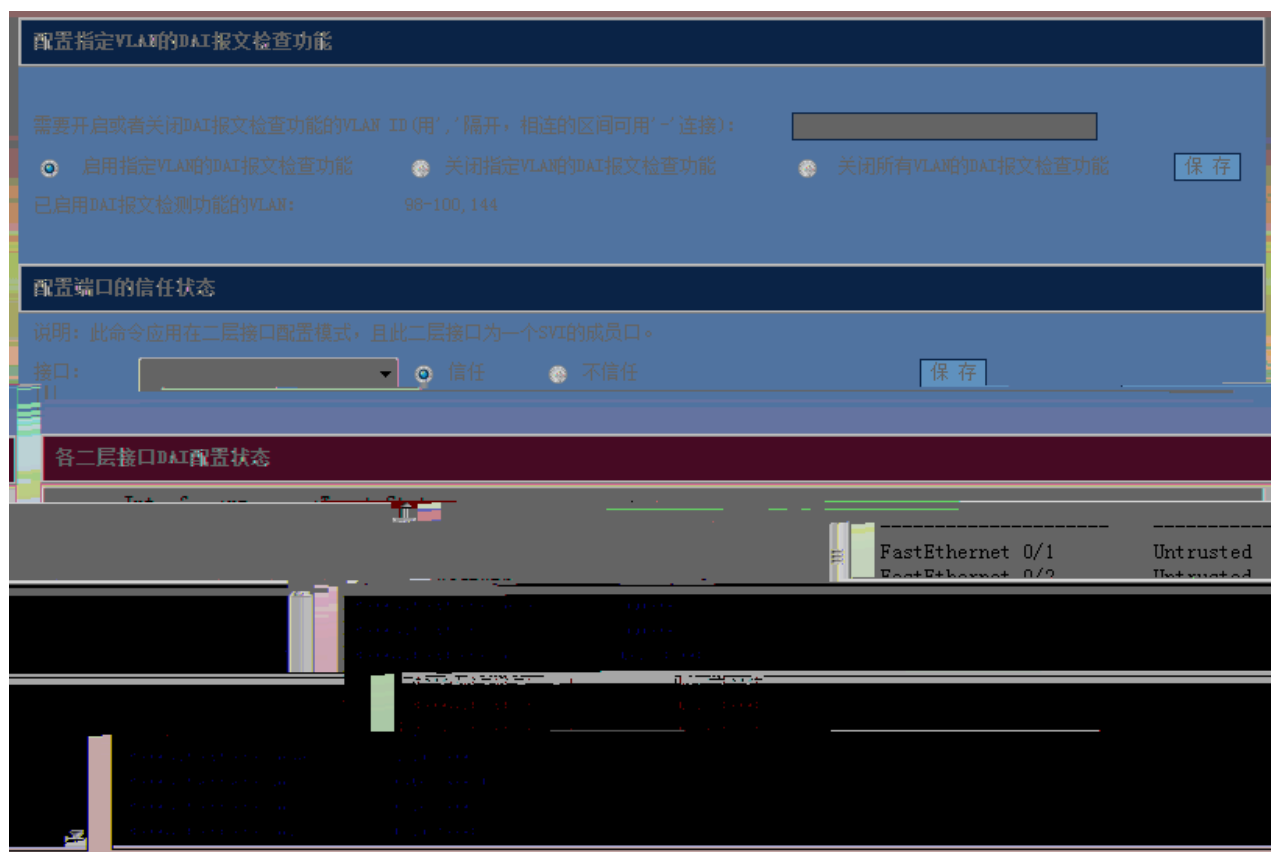
1.6.5 IP Source Guard

IP Source Guard



IP Source Guard DHCP Snooping Dynamic ARP Inspection IPsec





VLAN DAI 11

10 VLAN DAI

$$\text{GSN} \vdash \Delta \quad \text{GSN}$$
$$\begin{array}{cccc} & \mathfrak{t} & \mathfrak{l} & \mathbb{L} \\ \mathbb{H} & \mathfrak{l} & \mathbb{L} & \hat{A} \end{array}$$

Ю

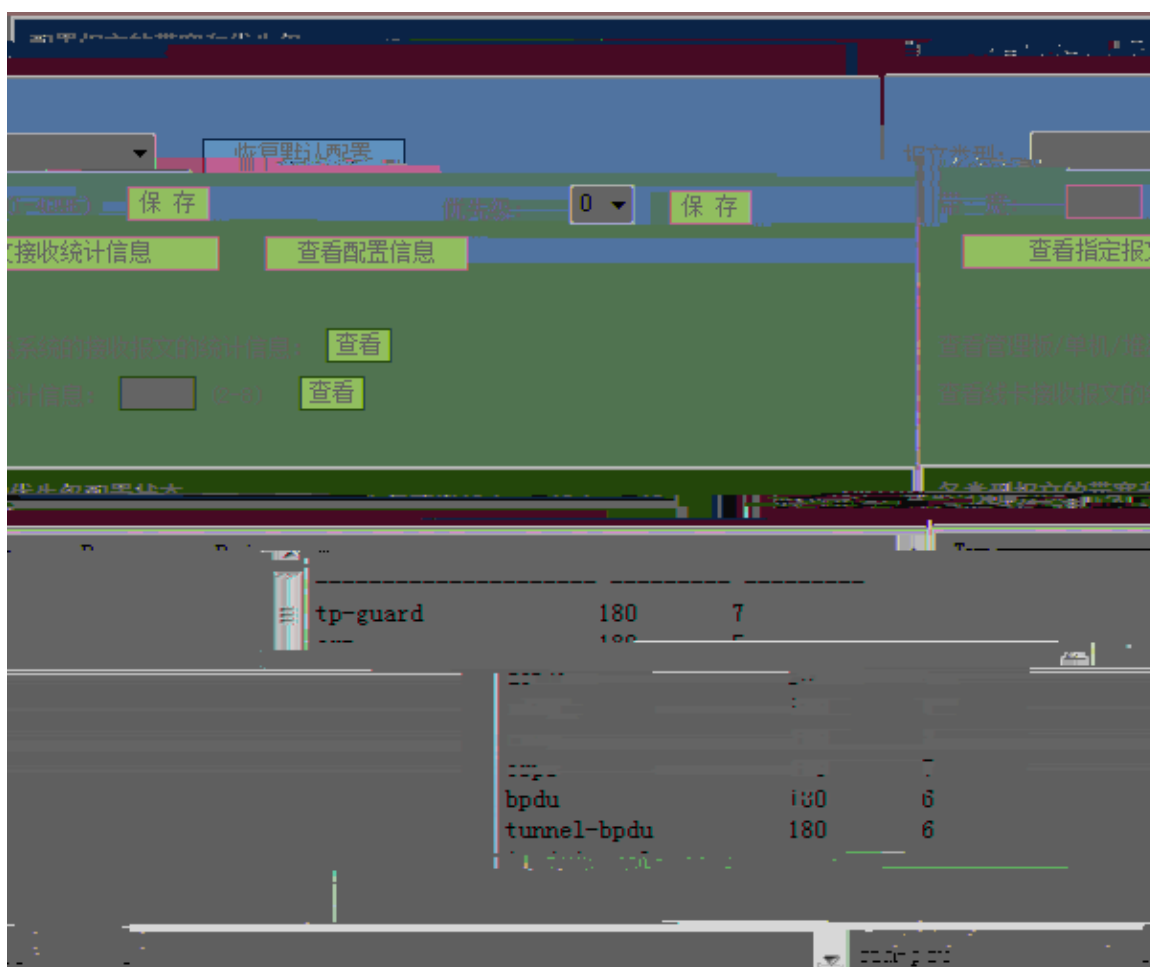
 $\hat{A}$

1.6.8 CPP

$$\Gamma \text{ CPP} \quad \mathbb{L} \quad \mathbb{T} \quad \hat{A}$$

CPP

1-50 CPP


$$\begin{array}{ccccccc} & & \Gamma & & E & & \mathfrak{H} \\ & & & & & & \mathfrak{z} & \Gamma \\ E & & \Pi & \mathfrak{z} & \Pi & \hat{A} & \mathfrak{z} & \Gamma & E \\ & \Pi & \hat{A} & & & & \Pi & \mathfrak{z} \end{array}$$

P L Ю ,

1-51

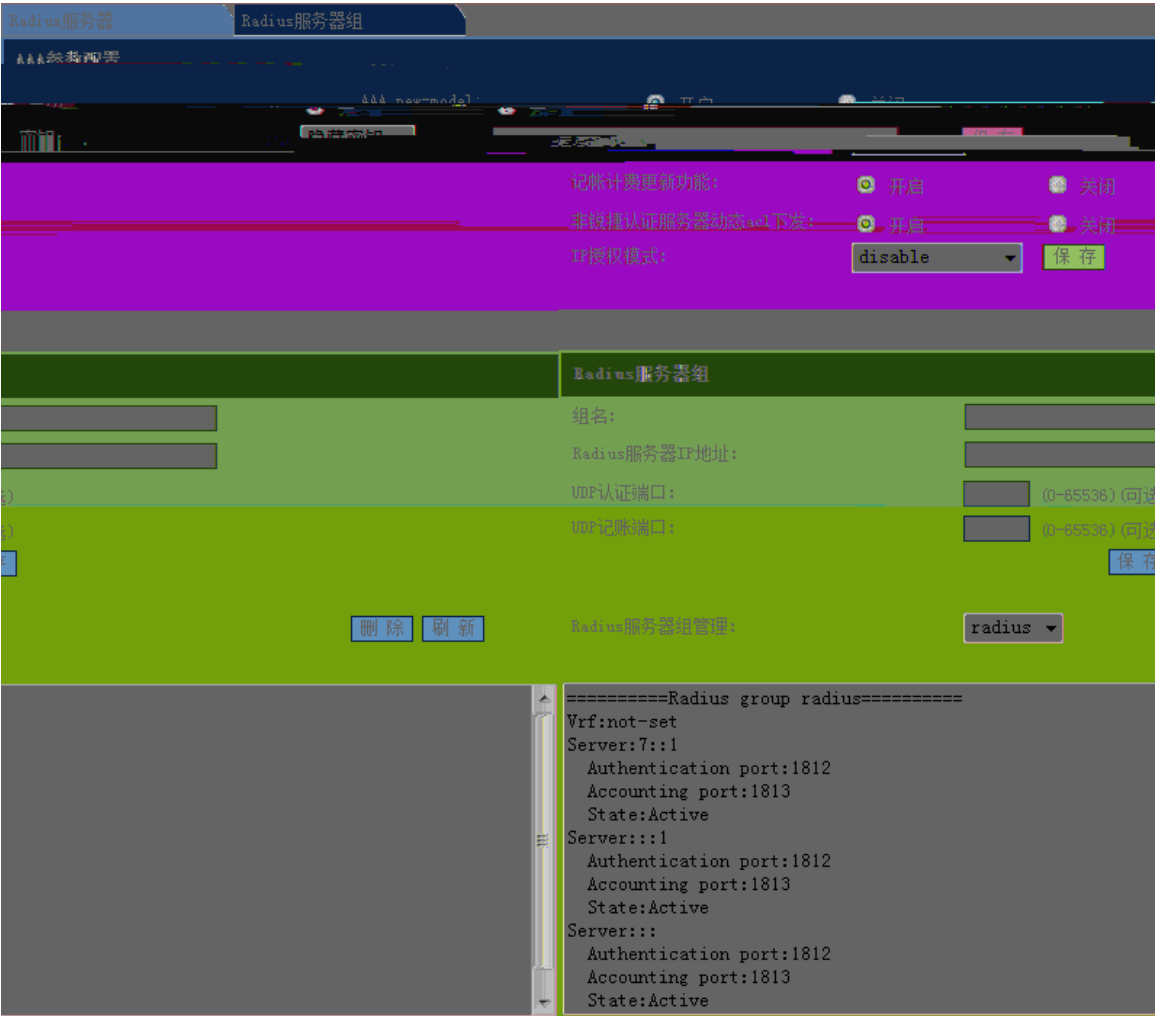
arp报文接收统计信息				
Slot	Type	Pps	Total	Drop
MainBoard	arp	10	324430	0

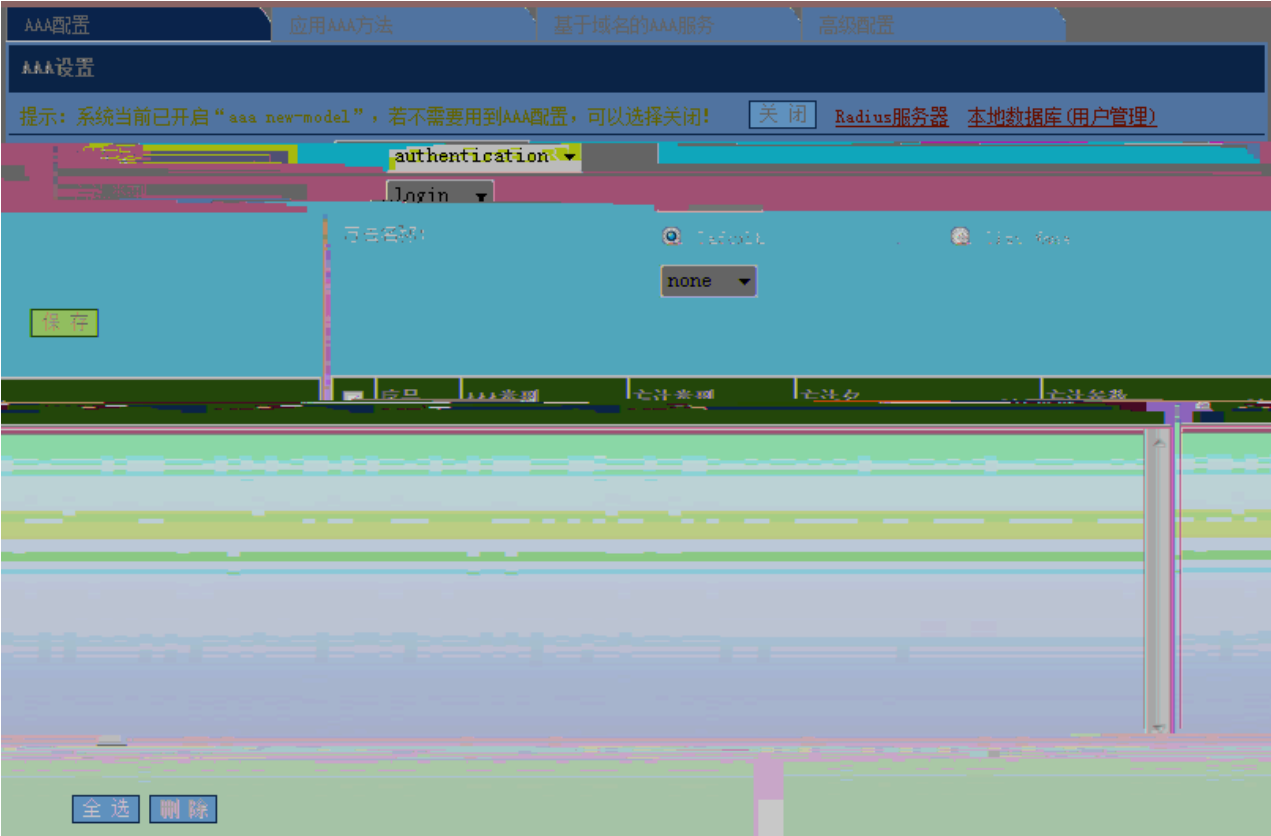
1-52

各类型报文的带宽和优先级配置状态				
Type	Band	Pri	...	...
arp-guard	150	7		
arp	150	7		
dst-ls	2000	4		
dst-ls	150	7		
...	...	...		
tunnel-head	150	8		
ipsec-icmp-icmp	1500	8		
icmp	150	8		
icmp_echo	150	8		
icmp_ping	150	8		

1-53

1-53

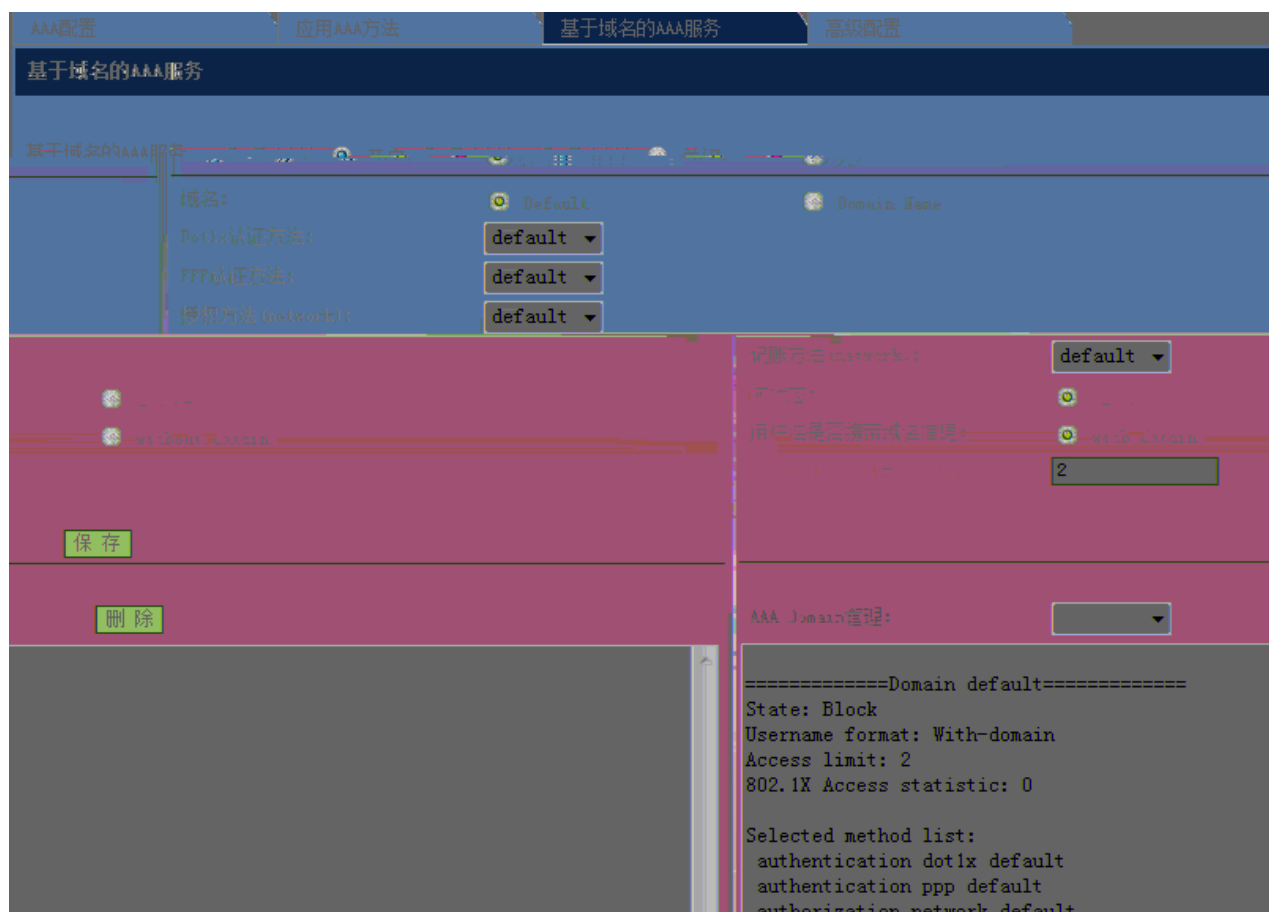




$$\begin{array}{ccccccc} \text{AAA} & \text{z} & \wedge & \text{AAA} & \hat{\text{A}} & \text{z} & \text{r} \\ & & & & & & \text{E} & \text{z} & \wedge & \hat{\text{A}} & \text{r} & \text{E} & \wedge \\ & & & \text{r} & & & \text{E} & \text{z} & \wedge & & & \hat{\text{A}} \end{array}$$

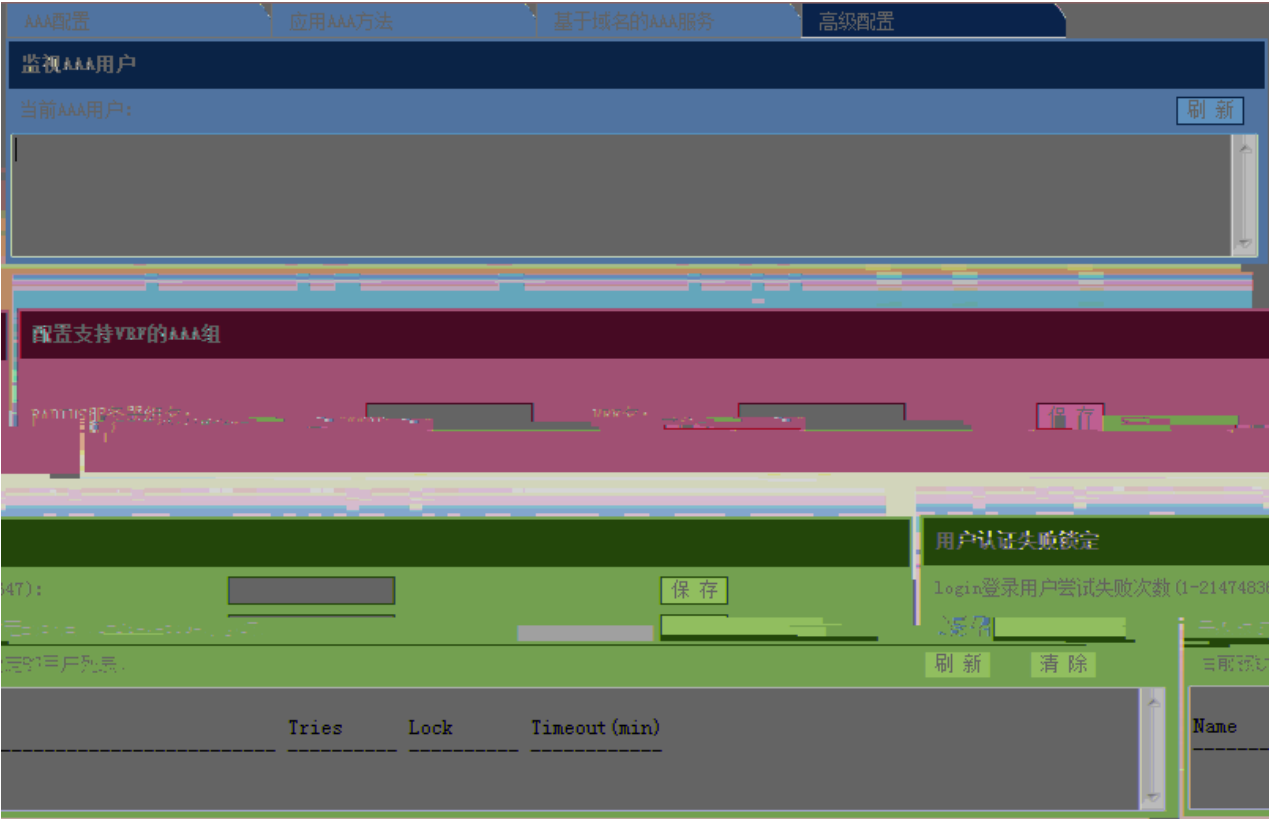
AAA

1-58 " AAA E



AAA	Dot1x	PPP	(network)	(network)
Access Limit	IO	IO	IO	IO
AAA Domain	IO	IO	IO	IO

1-59 AA A



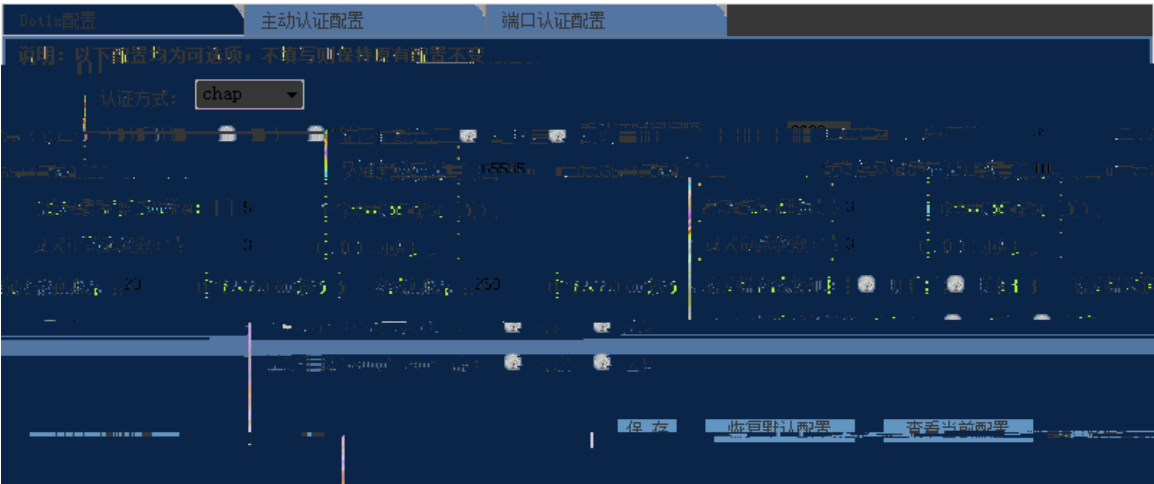
AAA 1/16 AAA VRF AAA 1/16

1.6.11 Dot1x

1.6.11.1 Dot1x 配置

Dot1x

1-60 Dot1x



Dot1x

$$\Gamma \quad \quad \quad \mathbb{L} \quad \quad \quad \mathbb{H} \quad \quad \quad \Gamma \quad \quad \quad \mathbb{L} \quad \quad \quad \mathbb{H} \quad \quad \quad \mathbb{A} \quad \quad \quad \mathbb{H} \quad \quad \quad \mathbb{H}$$

Net1: 配置

主动认证配置

端口认证配置

主动认证功能：☒ 开启 ☐ 关闭

主动发送认证报文的次数： (0-1000000) (可选)

主动发送报文的间隔时间： (10-3600) (可选)

用户认证通过后停止发送认证请求：☒ 开启 ☐ 关闭

保存

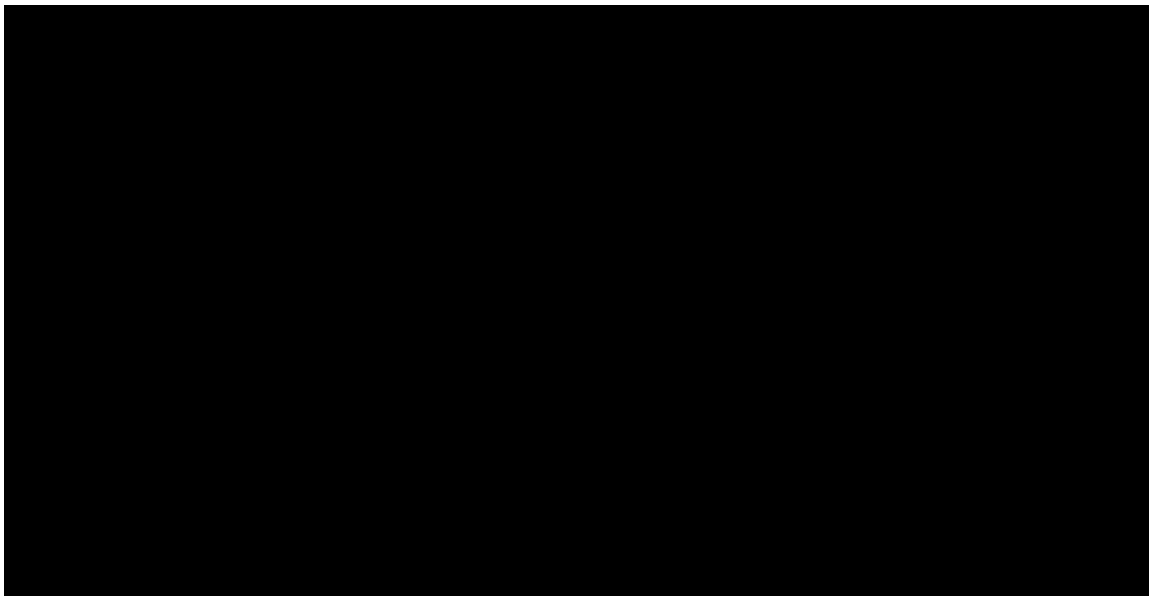
恢复默认配置

查看当前配置

$$\begin{array}{ccccccc} \tilde{\gamma} & & & \Pi & \Gamma & E & \Gamma & E \\ z & & z & \Gamma & E & & \Pi & z & & \Pi & & \Gamma & & E \\ & \dot{\gamma} & & \Gamma & & E & & \dot{\gamma} & & \hat{A} \end{array}$$

The screenshot displays the '端口认证配置' (Port Authentication Configuration) page in the H3C iMaster NCE system. The interface is divided into several sections:

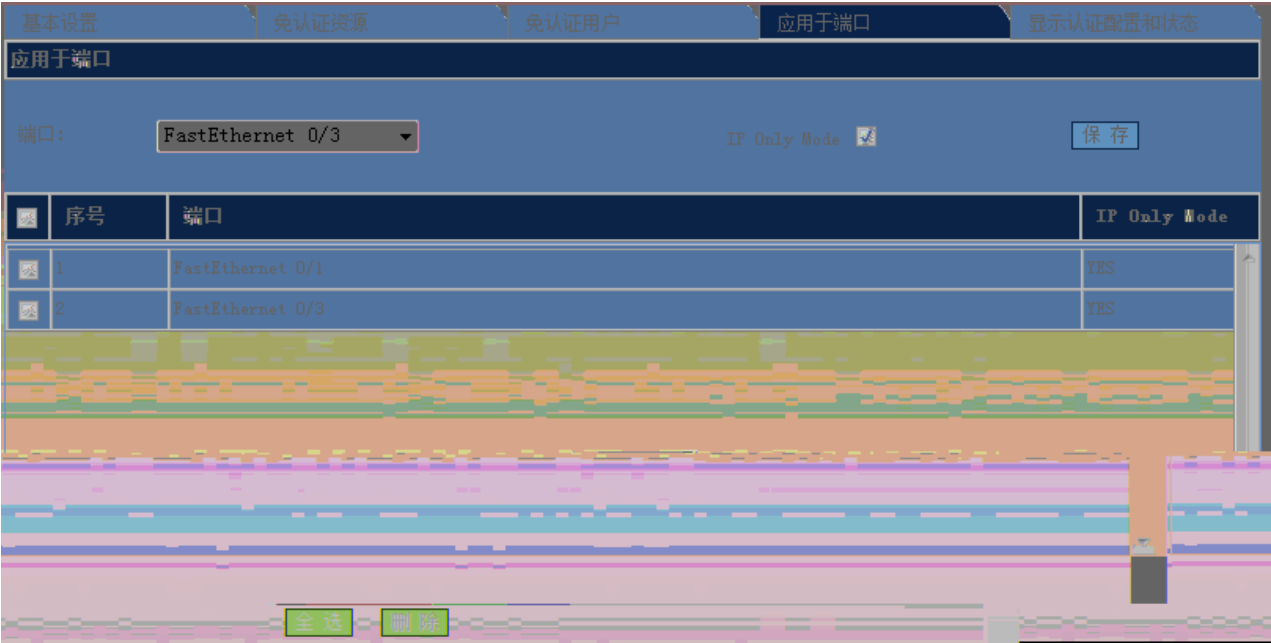
- Header:** Includes tabs for 'Dot1x配置' (Dot1x Configuration), '主动认证配置' (Active Authentication Configuration), and '端口认证配置' (Port Authentication Configuration).
- 说明:** A note stating '以下配置项均为可选。' (The following configuration items are optional).
- 配置项:**
 - 802.1x认证功能:** Radio buttons for '开启' (Enabled) and '关闭' (Disabled).
 - VLAN自动跳转功能:** Radio buttons for '开启' (Enabled) and '关闭' (Disabled).
 - Guest VLAN跳转:** Radio buttons for '开启' (Enabled) and '关闭' (Disabled), with a 'Vlan Id' field set to '1-4094'.
 - 端口的控制模式:** A dropdown menu set to '基于用户MAC' (Based on User MAC), with a checkbox for '基于端口单用户的控制模式' (Control mode for single user per port).
 - MAC旁路认证:** Radio buttons for '开启' (Enabled) and '关闭' (Disabled).
 - MAC旁路认证超时时间:** A text field set to '1-65535'.
 - MAC旁路认证违例:** Radio buttons for '开启' (Enabled) and '关闭' (Disabled).
- 操作按钮:** '保存' (Save), '恢复默认' (Restore Default), and '查看当前配置' (View Current Configuration).
- 底部配置项:** '禁止动态用户在多个认证端口之间迁移:' (Prohibit dynamic users from migrating between multiple authentication ports:) with radio buttons for '开启' (Enabled) and '关闭 (默认值)' (Disabled (Default Value)), and a '保存' (Save) button.
- 端口下可认证主机列表:** A table with columns for '认证主机地址' (Authentication Host Address) and '端口' (Port).





刷新

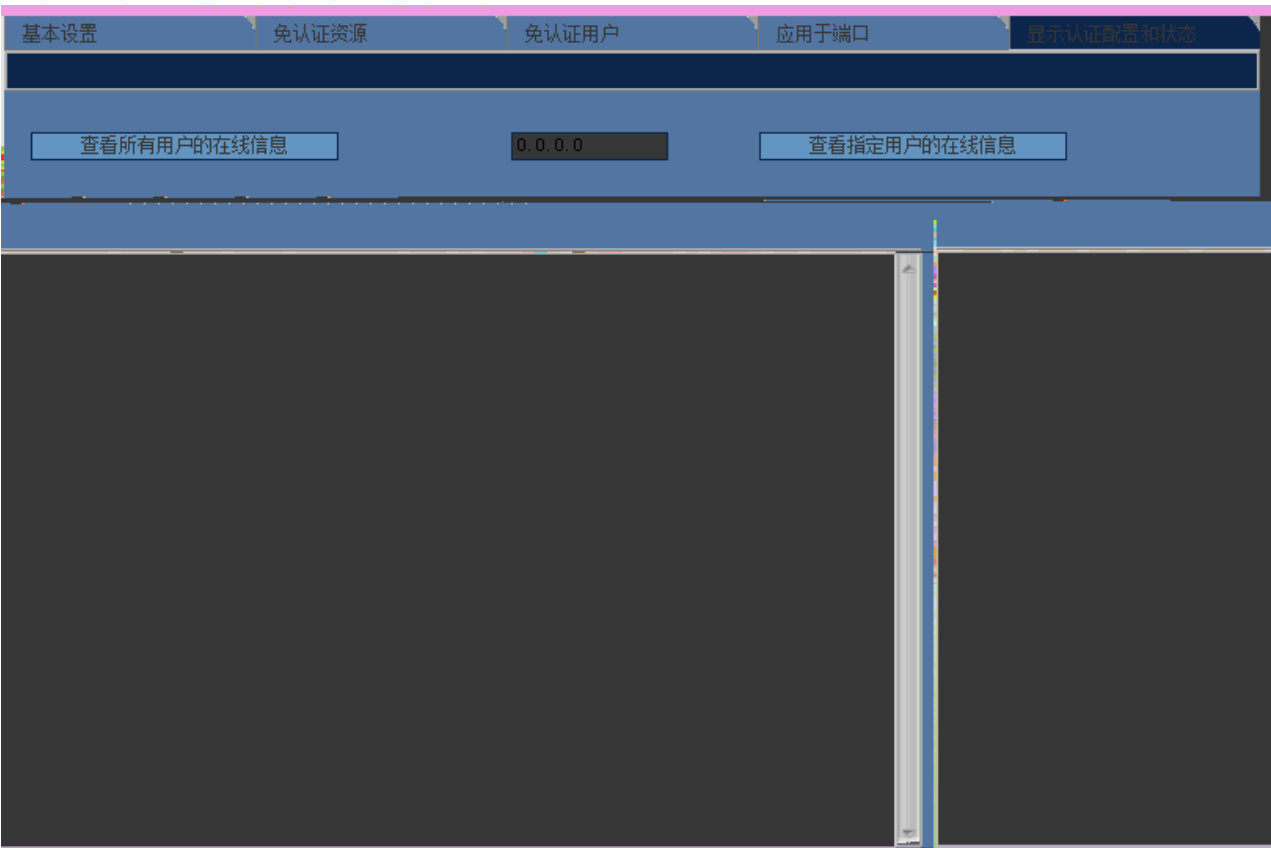
1-69



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IP

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1.6.14 DHCP Snooping

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DHCP Snooping

1-71 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

保存

DHCP Snooping 信任端口设置

端口：

DHCP Snooping配置信息

限速	☐	端口	信任端口
	☐		

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1.7.3

1. 单击“策略”按钮。

2.

1-74

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：

FastEthernet 0/1

策略列表：

（策略设置）

限速方向：

输入限速

输出限速

保存

	端口	方向	策略名	信任模式	COS
☒	FastEthernet 0/1	-	-	-	-
☒	FastEthernet 0/2	-	-	-	-
☒	FastEthernet 0/3	-	-	-	-
☒	FastEthernet 0/4	-	-	-	-
☒	FastEthernet 0/5	-	-	-	-
☒	FastEthernet 0/6	-	-	-	-
☒	FastEthernet 0/7	-	-	-	-
☒	FastEthernet 0/8	-	-	-	-
☒	FastEthernet 0/9	-	-	-	-
☒	FastEthernet 0/10	-	-	-	-
☒	FastEthernet 0/11	-	-	-	-

全选

删除

3. 单击“策略”按钮。

4.

5. 单击“策略”按钮。

6. 单击“策略”按钮。

7. 单击“策略”按钮。

8. 单击“策略”按钮。

9.

1.7.4

图 1-75

1-75

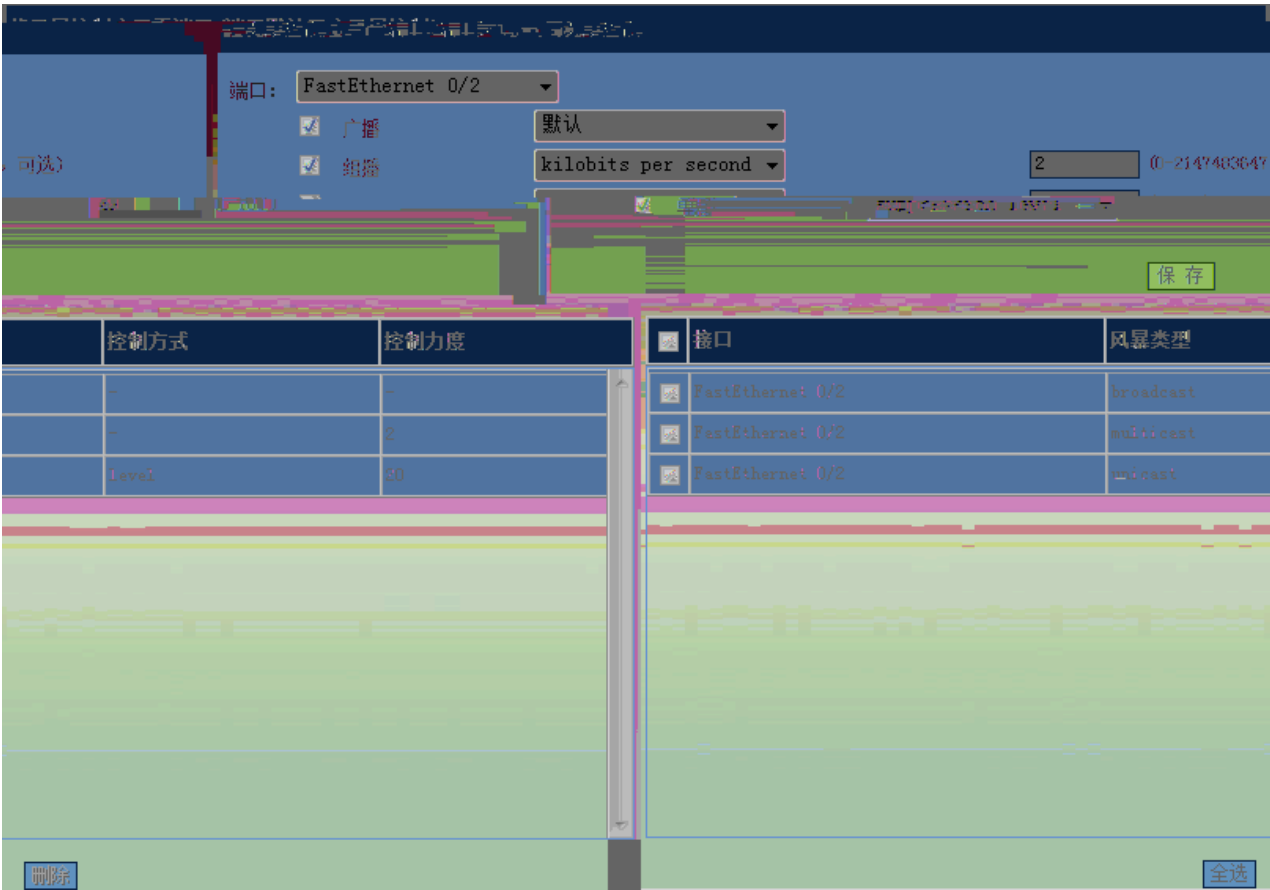


图 1-75

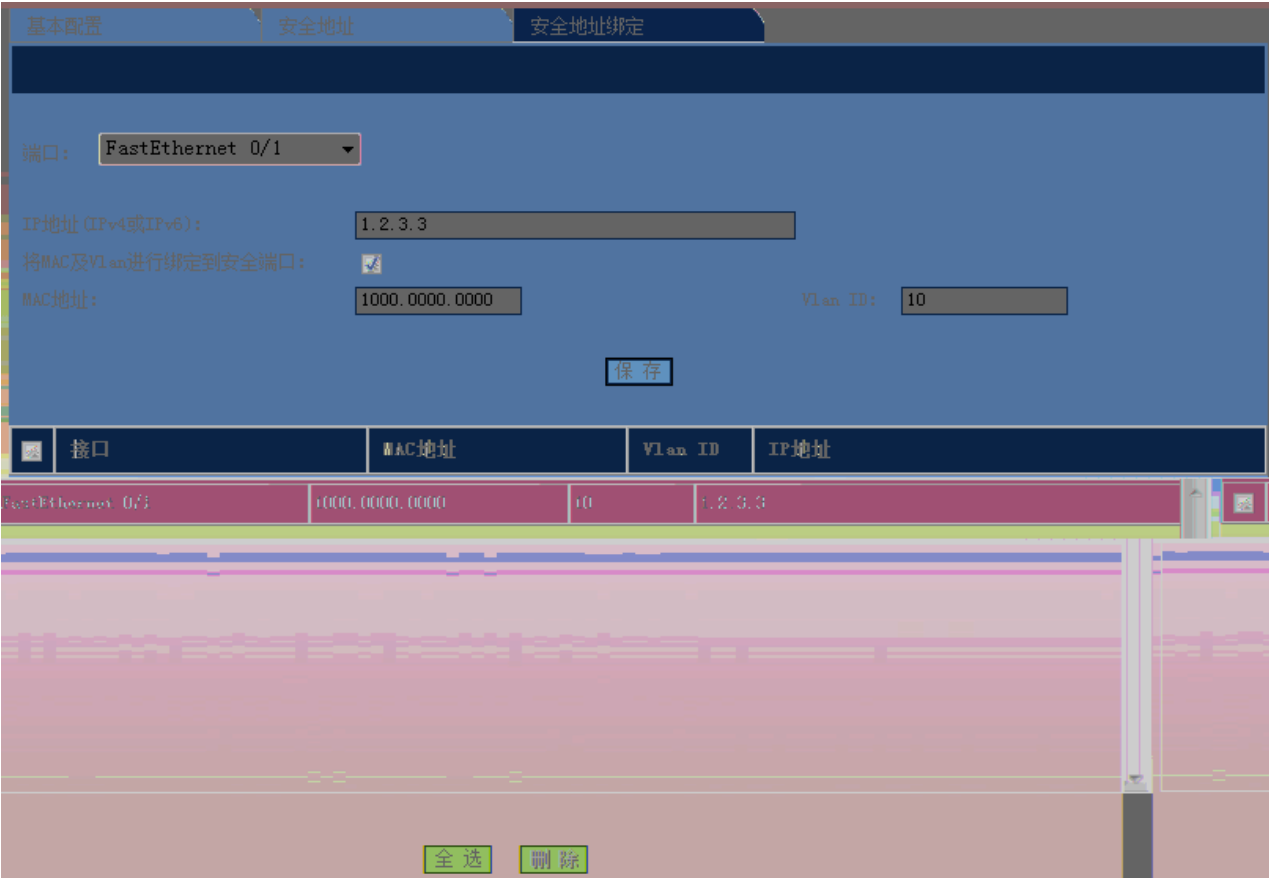
1.7.5

图 1-76

1-76







Mac	VLAN ID	IP	MAC	Vlan
1	10	1.2.3.3	1000.0000.0000	10

1.8

1.8.1

1	10	1.2.3.3	1000.0000.0000	10
---	----	---------	----------------	----

端口状态					
端 口	状 态	Vl an	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	900	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

1.8.4

Г L П Â

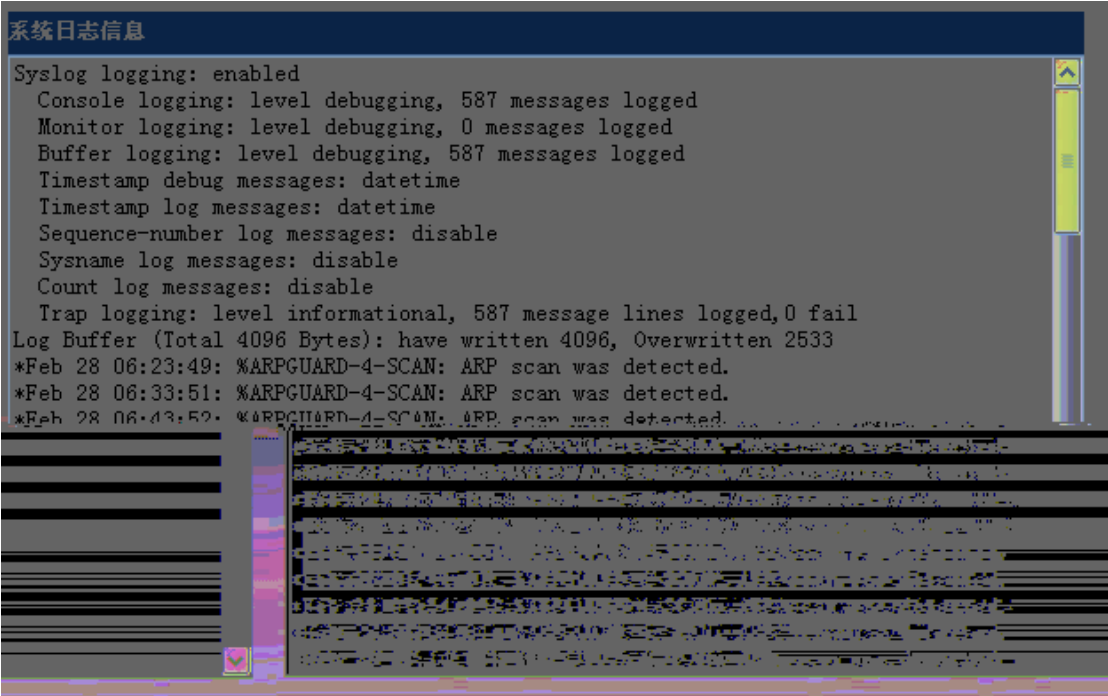
1-82

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

1.8.5

Г L П Â



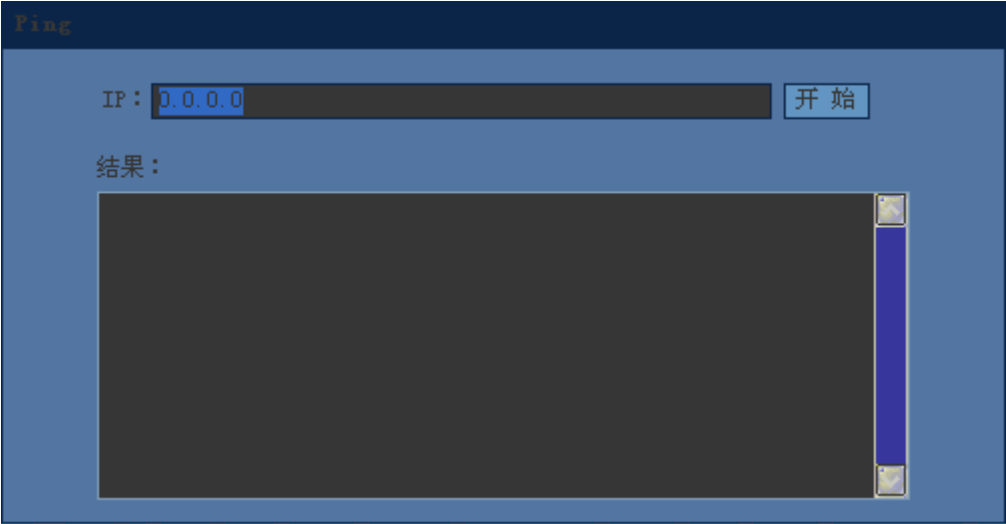
1.9

1.9.1 Ping

IP Ping L ^

Ping

1-85 Ping



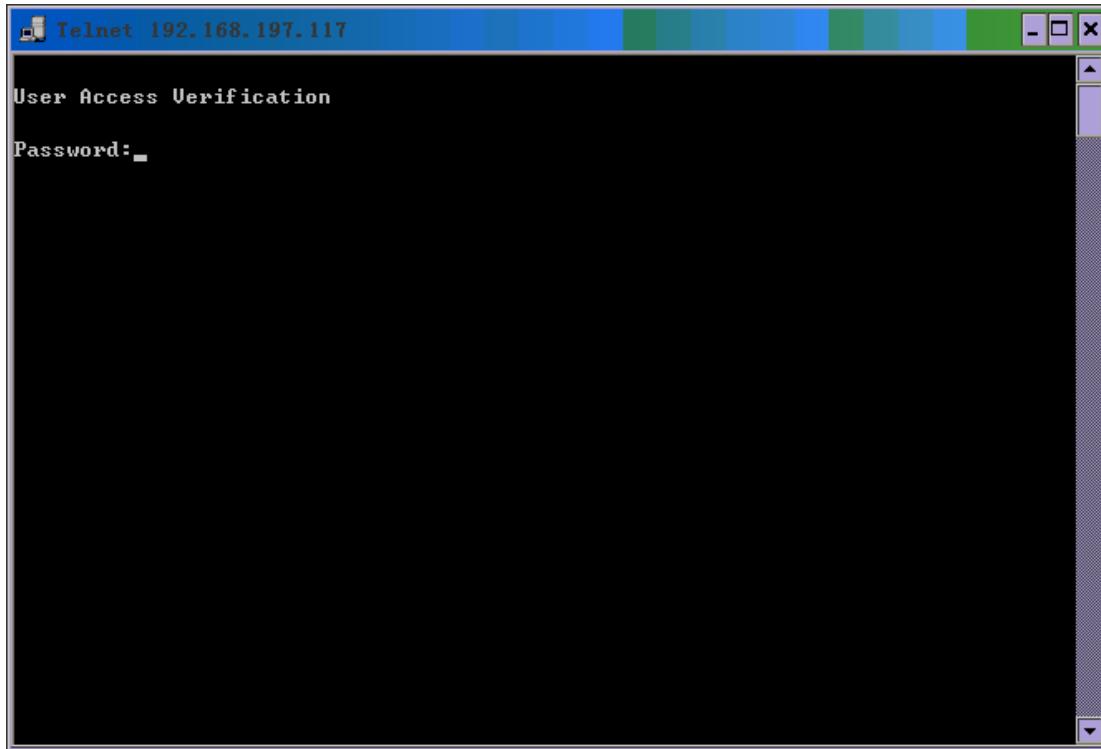
IP t IP L IP a Ping t ^

1.9.2 Telnet

1 Telnet L 11 A

Telnet

1-86 Telnet



1 Telnet L 1

Telnet 11 A

PC

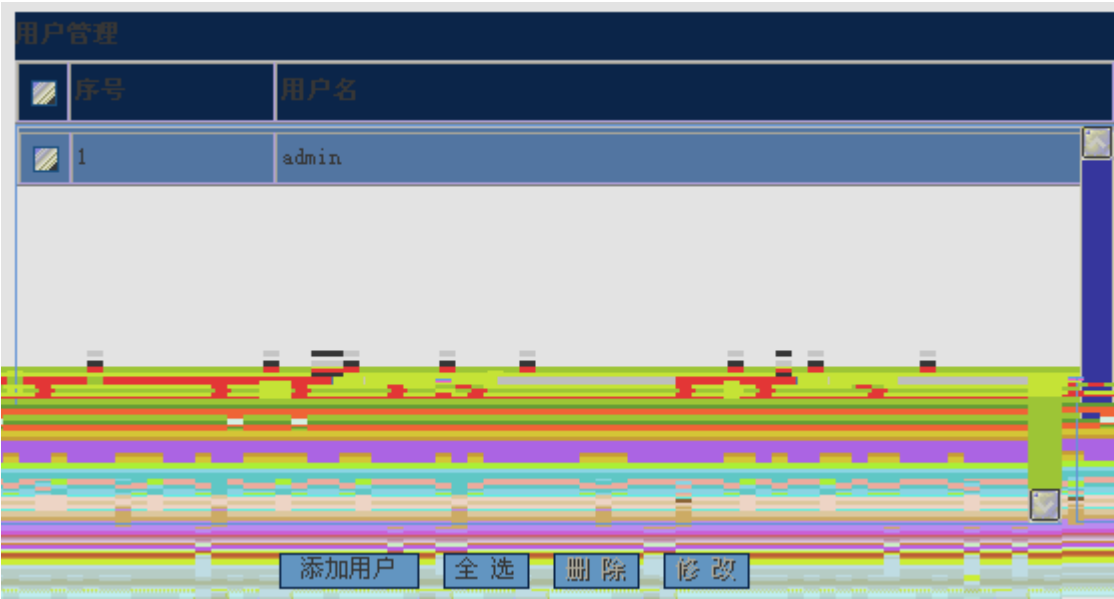
Telnet L

PC Telnet L A

1.9.3

1 L 11 A

1-87



1-88



1-89

用户管理 -- 网页对话框

用户名 : admin

用户密码 :

密码确认 :

保存取消

http://192.168.195.200/user_ Internet

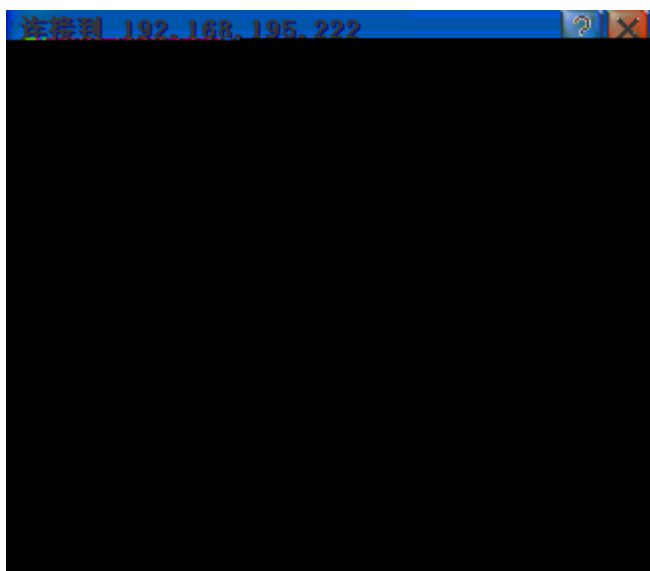
“ 1 P L Â 7 1 1 3 Â



Enable 3

Enable 3 3 1 1' L Â

1-91



3 Â

Telnet 3

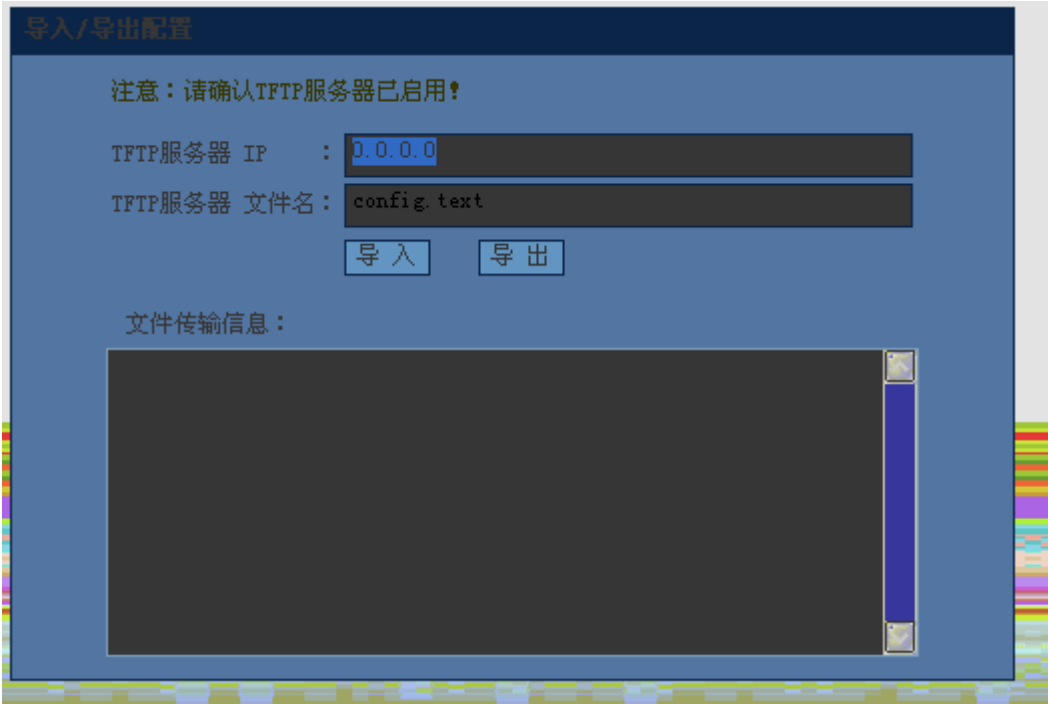
Telnet 3 3 1 1' L Â

1.9.5 /

1' / L 11 Â

/

1-92 /



ä ð config.text TFTP Ì IP TFTP Ì ð " ð Ì Ì Ì

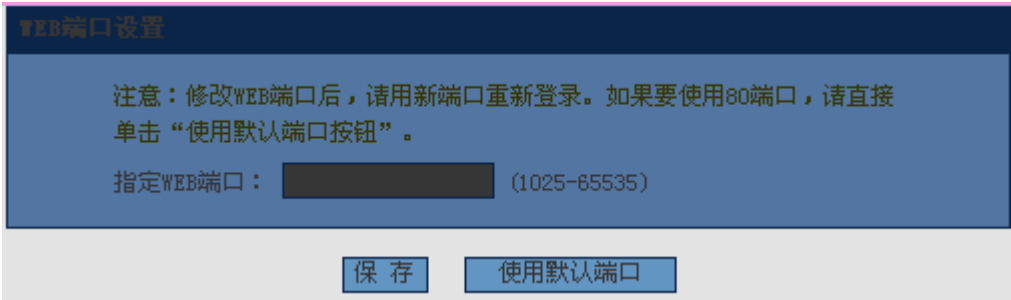
ð config.text TFTP Ì ð Ì Ì TFTP Ì ð ð Æ

1.9.6 WEB

Ì WEB Ì ¶ Æ

WEB

1-93 WEB



 ð Ì Ì Æ ð Æ ð 8080

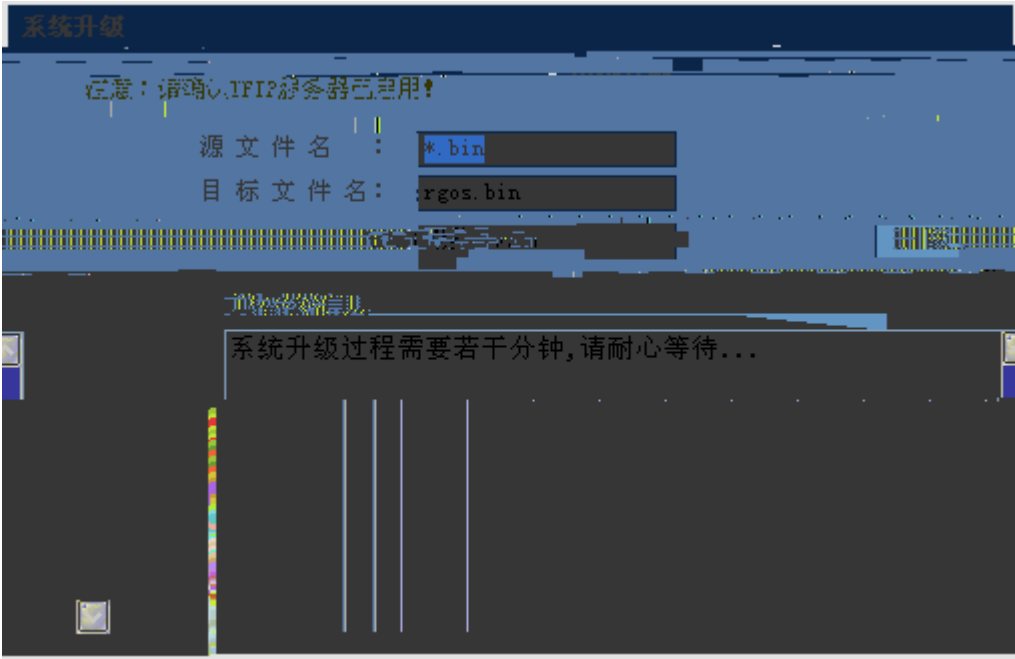
IP ð' 192.168.1.1 http://192.168.1.1:8080 Æ ð Ì Ì

 http://192.168.1.1 Æ

1.9.7

1. 配置 TFTP 服务器

1-94



2. 配置 TFTP 服务器

在 TFTP 服务器上配置 IP 地址和子网掩码。

1.9.8

1. 配置 TFTP 服务器

2. 配置 TFTP 服务器

1.10 WEB

1. 配置 WEB 服务器

在 WEB 服务器上配置 IP 地址和子网掩码。

WEB

Local

```
Ruijie(config)#show running-config
Building configuration...
Current configuration : 2014 bytes
!
```

```
no shutdown
!  
!  
line con 0  
line vty 0 4  
  login  
!  
!  
end
```