



WEB

RG-S5750-L

RGOS 10.4(2b12)p2

V1.0

©2014

III



WEB

WEB

1. WEB
2. WEB

1 WEB

WEB

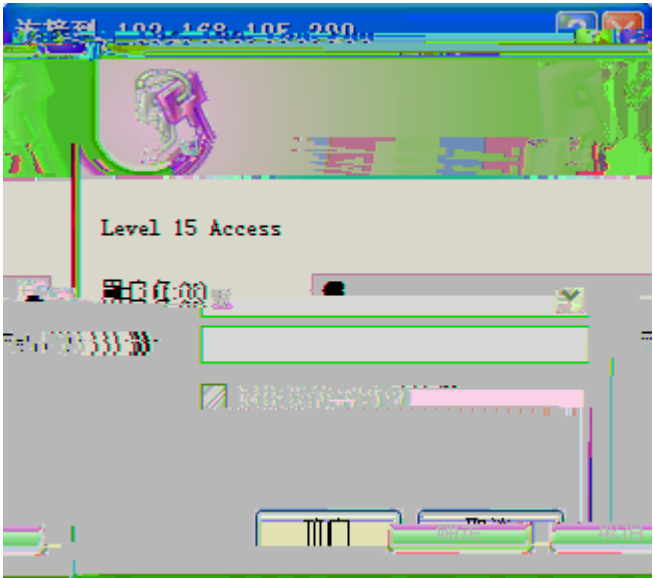


1

1 2

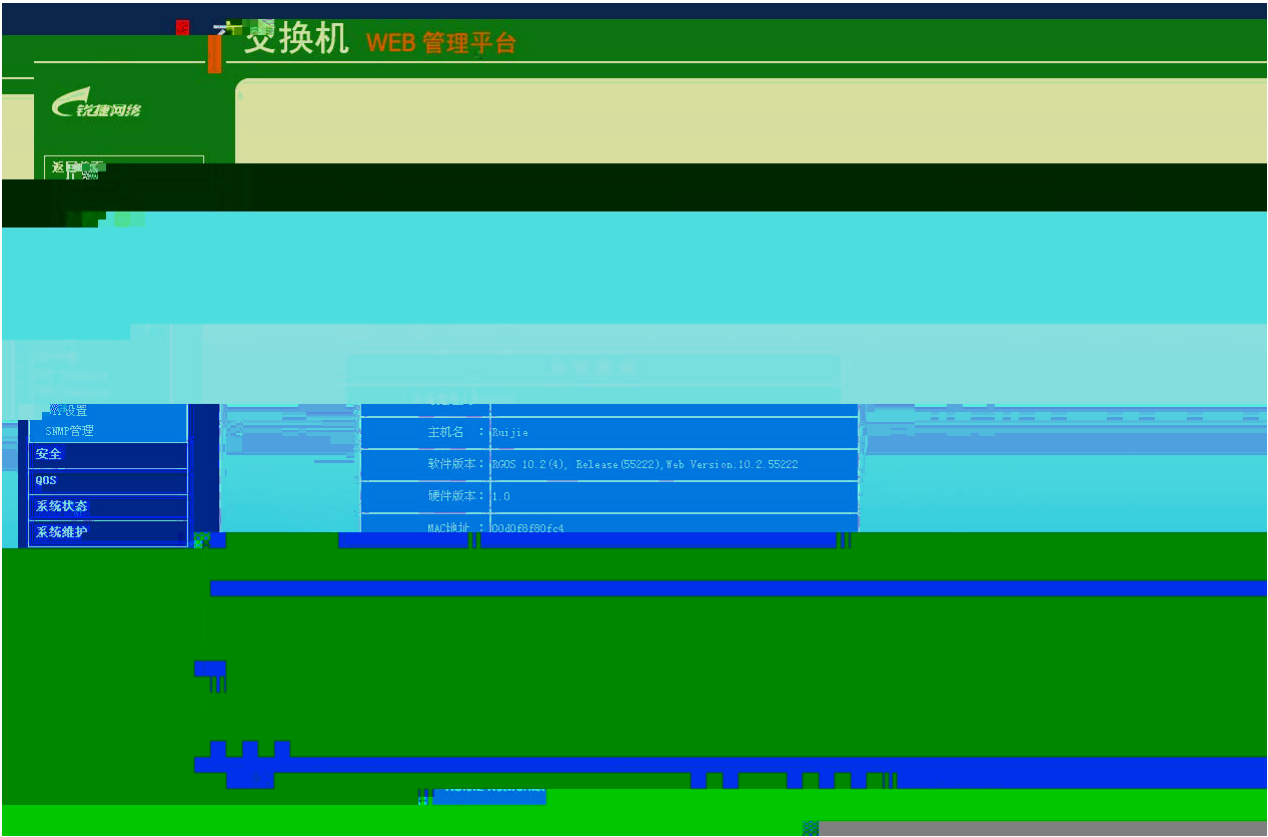
3

III



2

WEB



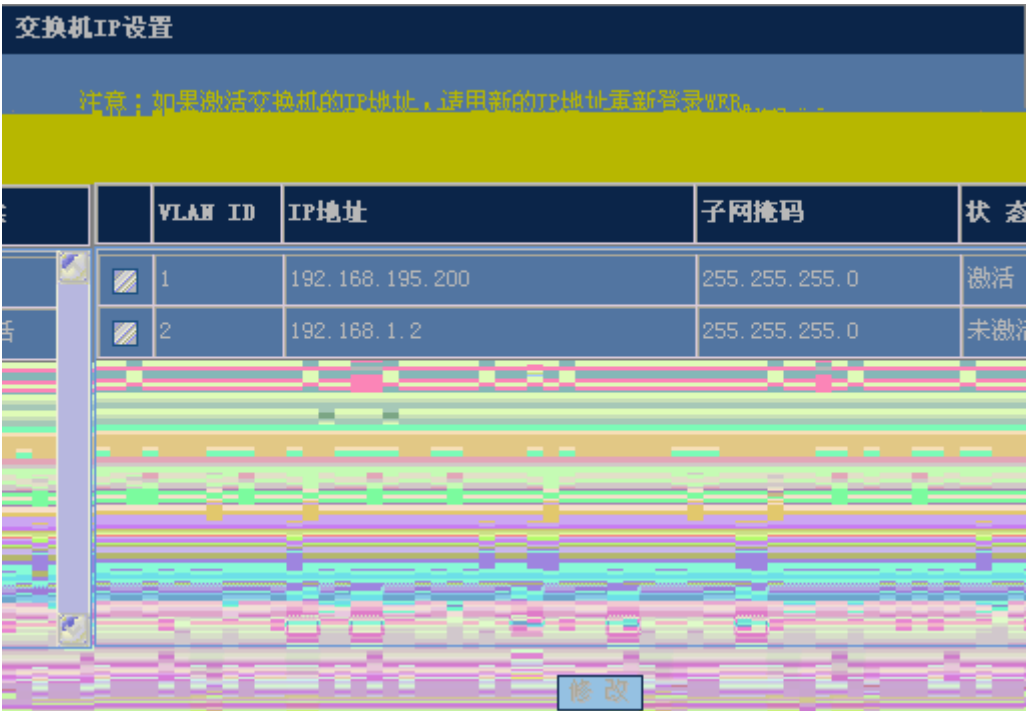
3 WEB

	WEB	Enable
	enable	III

2.2

2.2.1 IP

I IP L III
IP



4 IP

ip f L



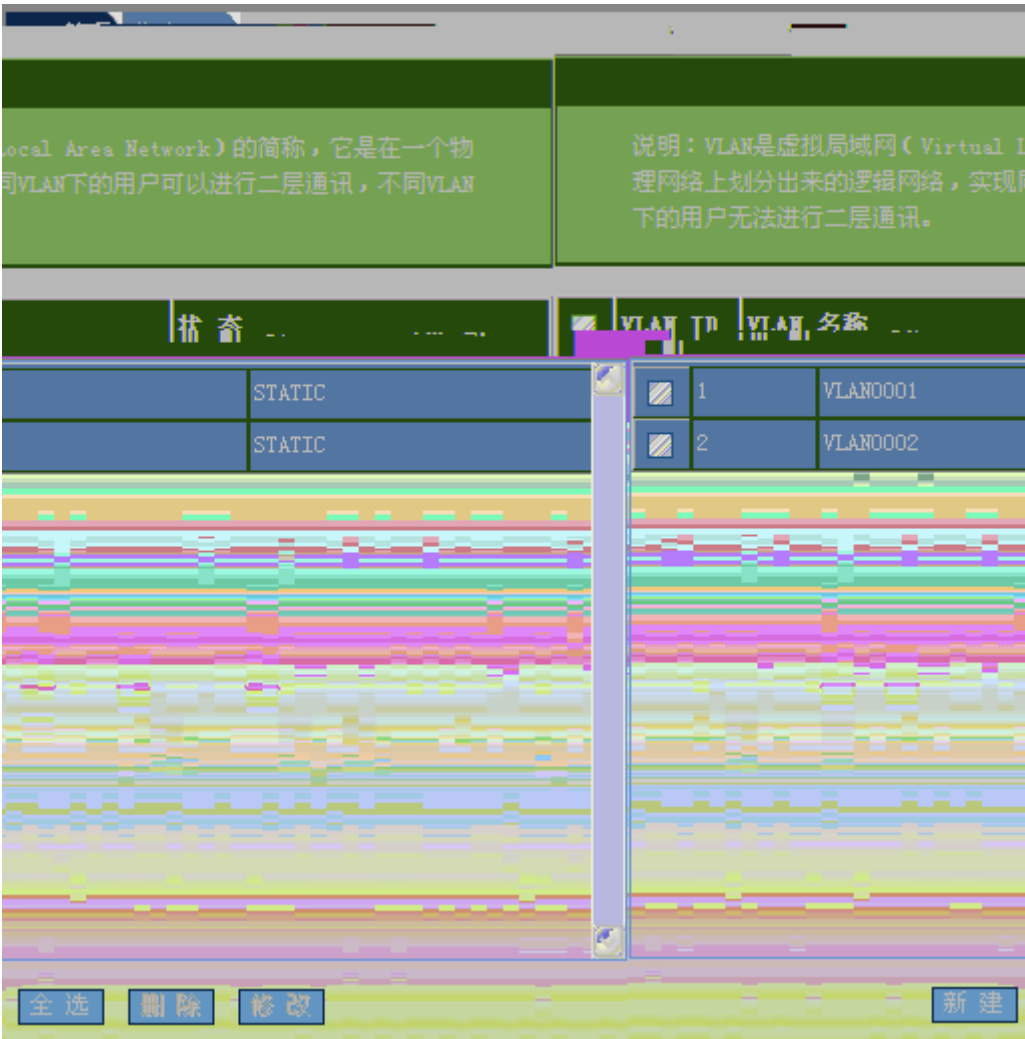
5 IP

IP f L III

2.2.2 VLAN

I VLAN L III

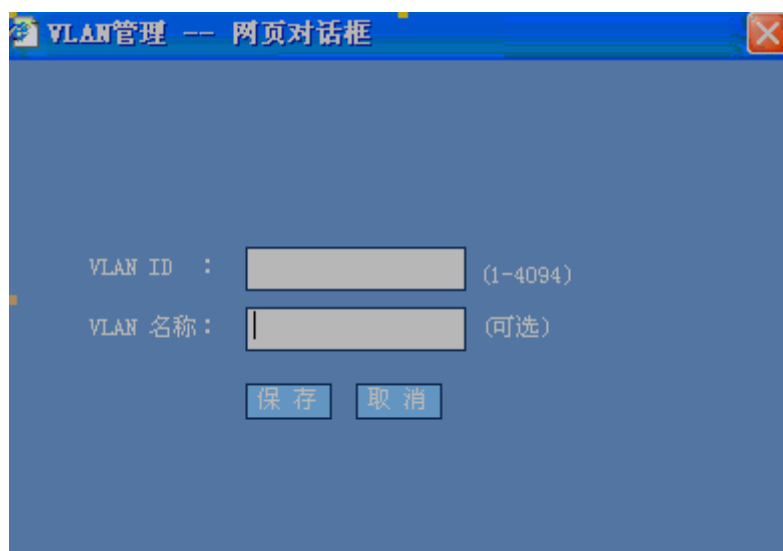
1 VLAN



6 VLAN

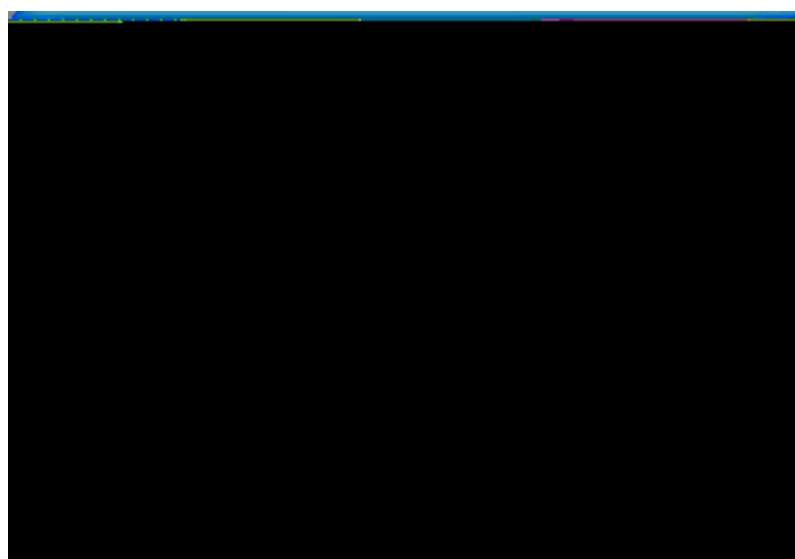
VLAN III VLAN III 4 4 VLAN

I L



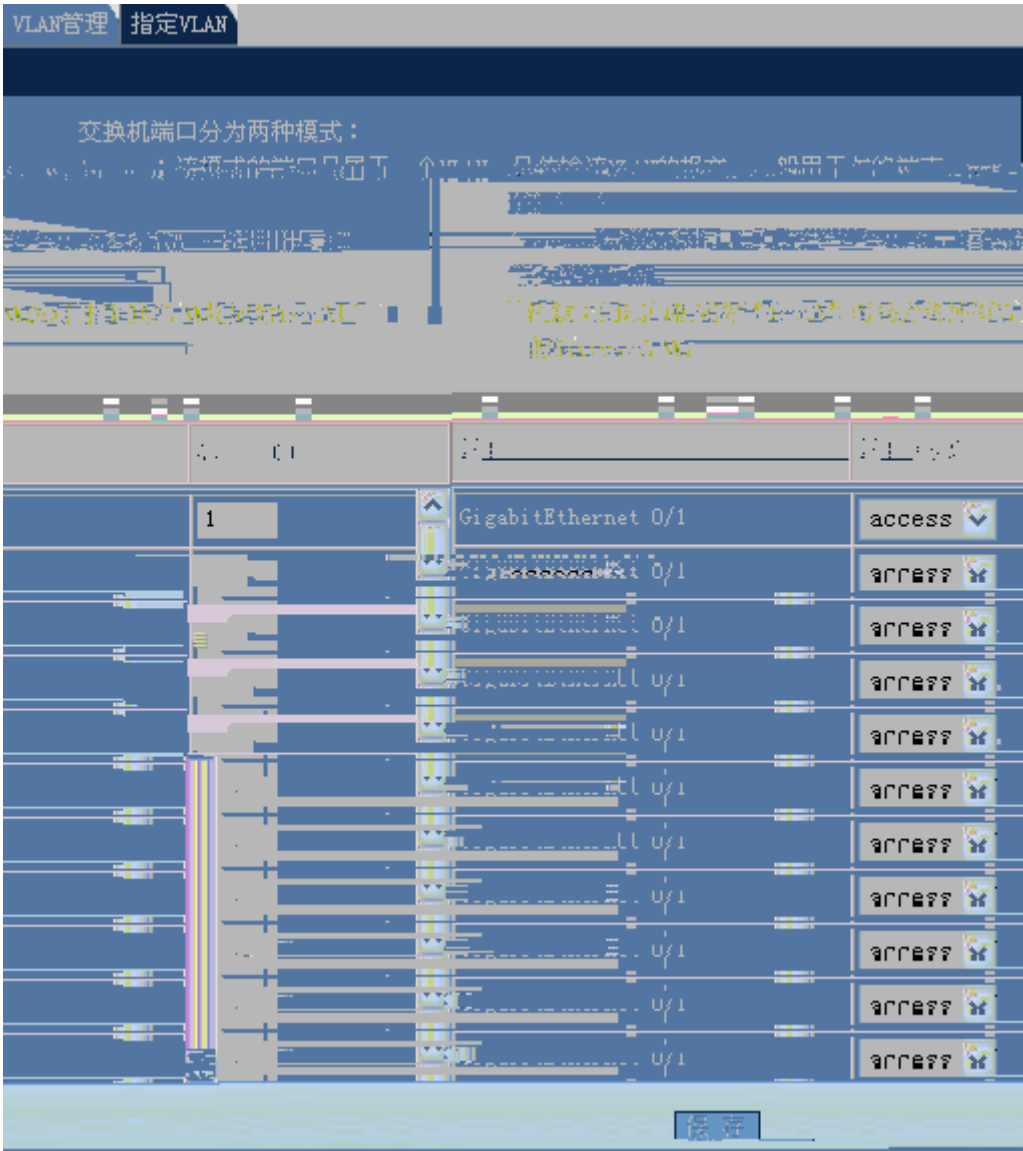
7 VLAN

VLAN ID	VLAN	I	II	III
VLAN	VLAN	III		
	VLAN		I	II
	VLAN		I	II



8 VLAN

2 VLAN III I L III



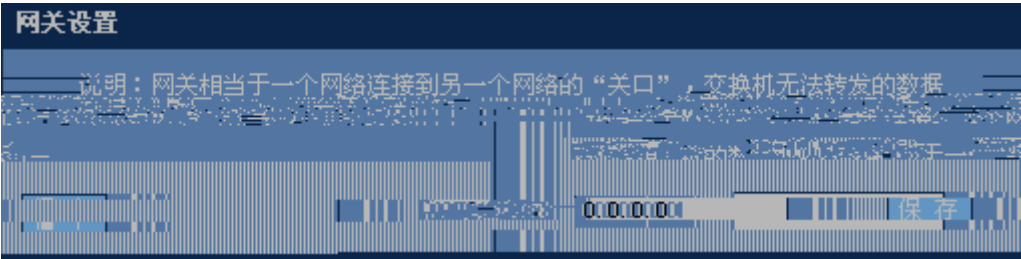
9 VLAN

VLAN ID 1 2

III

2.2.3

III



10

IP IP I L III

2.2.4

I L III



11

III 1 2 III

2.2.5

1 2 III

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		
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		
GigabitEthernet 0/13		
GigabitEthernet 0/14		
GigabitEthernet 0/15		

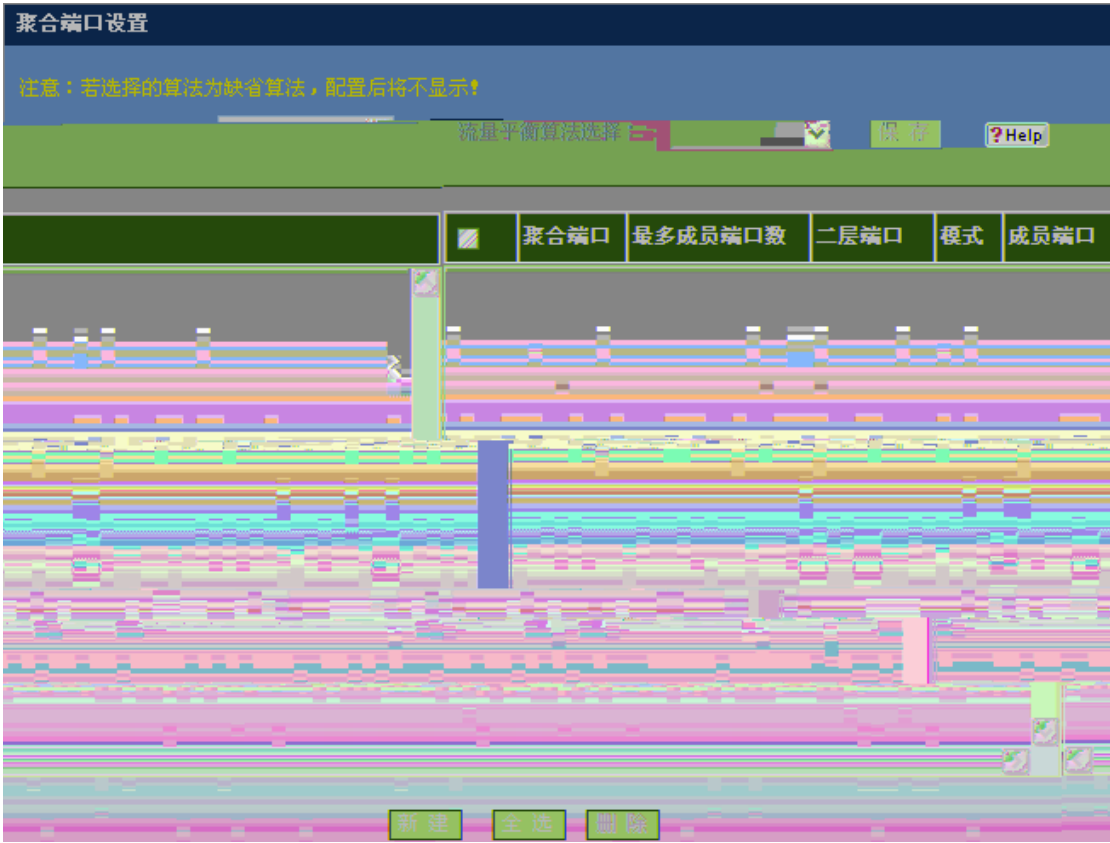
保 存

取消全部限速

1 2 III III
1 2 III

2.2.6

I L III



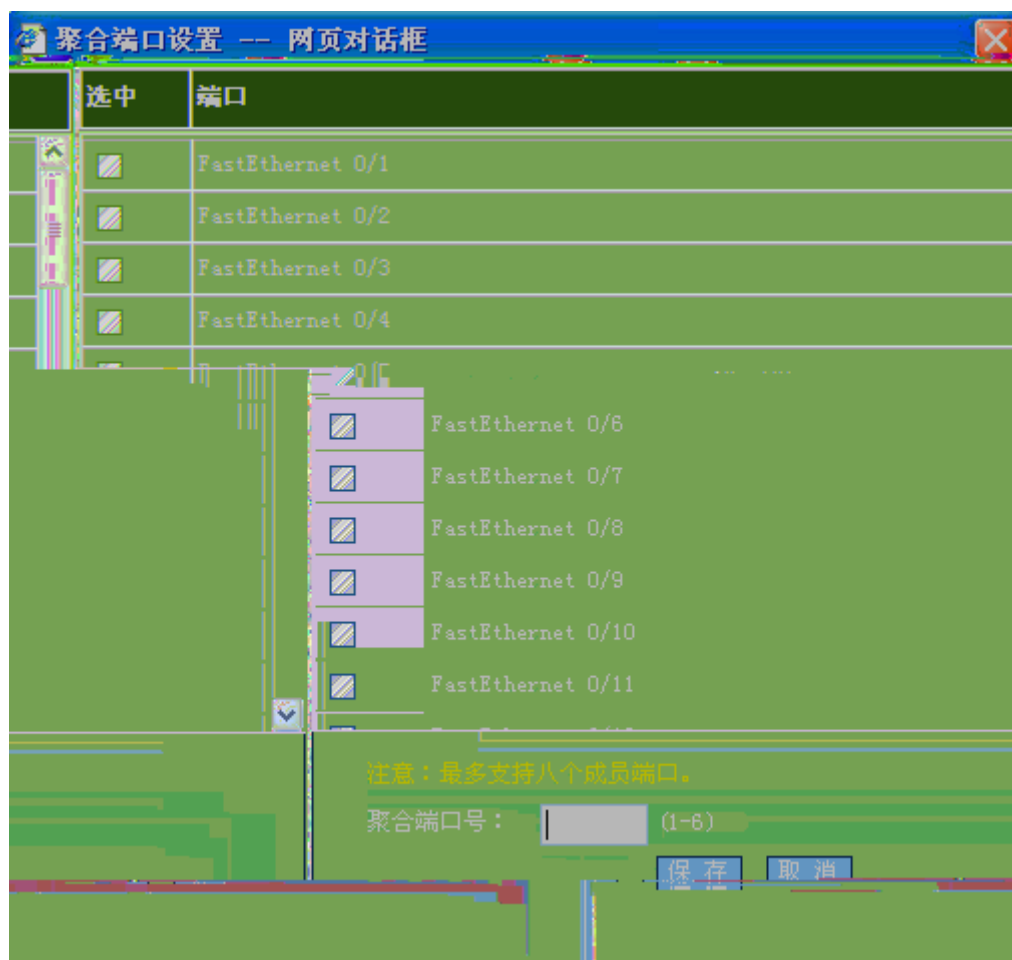
13

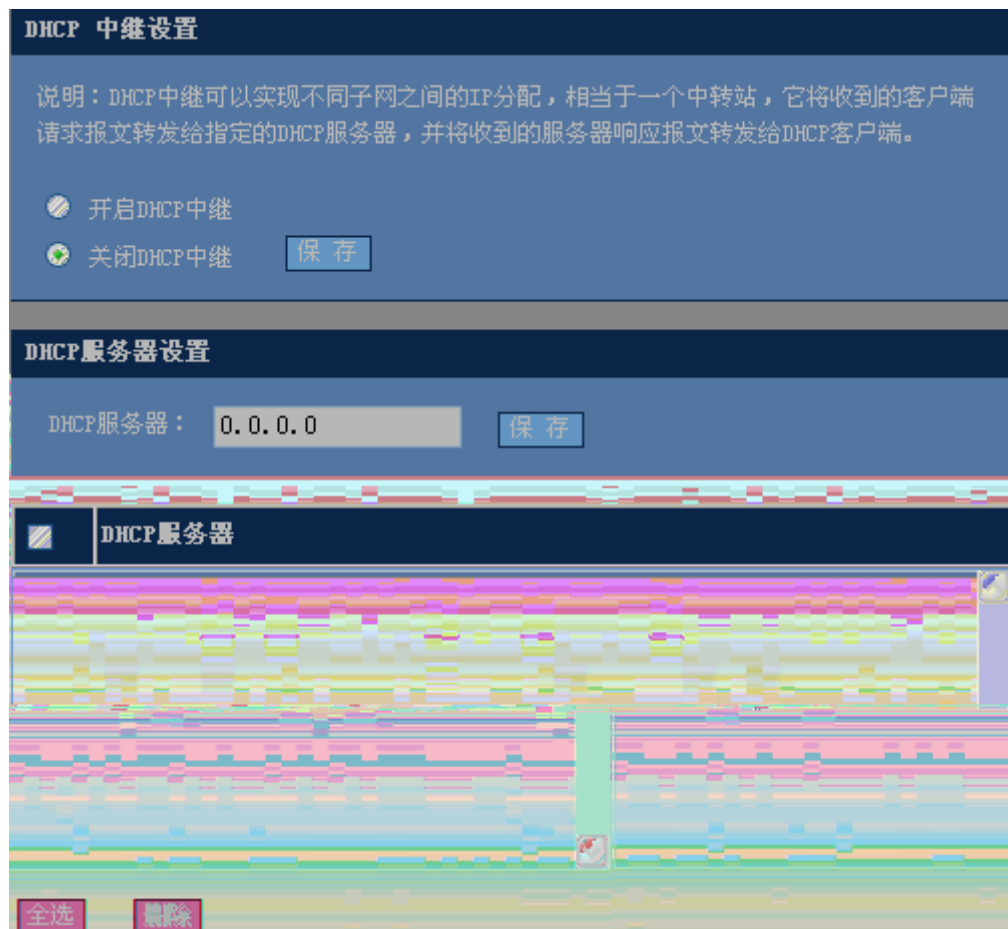
1

I L III

2

I L





16 DHCP

1) / DHCP

/ DHCP 1 2 III

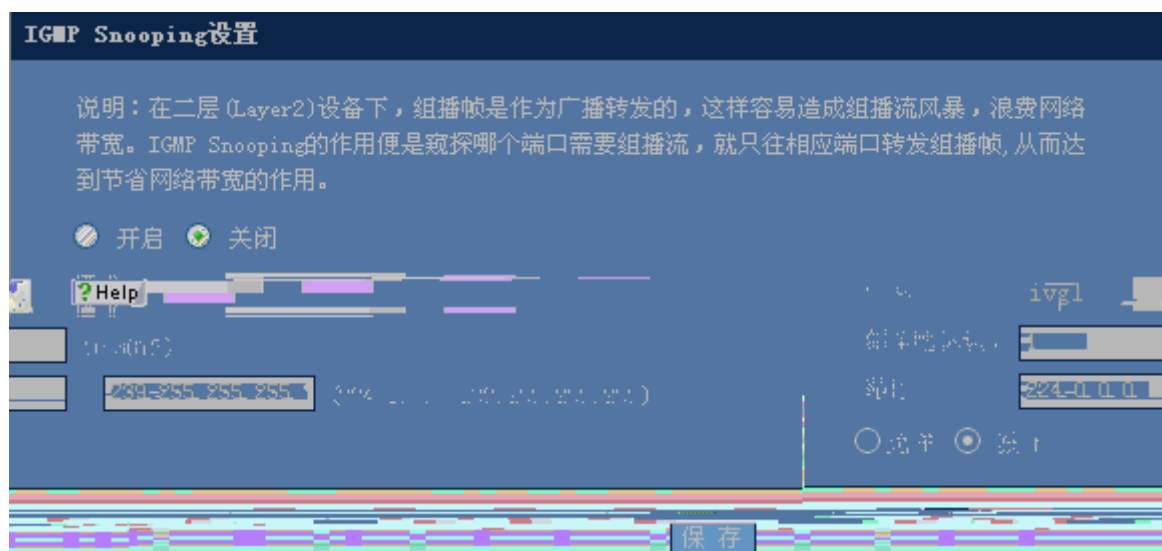
2) DHCP

	DHCP	1	2	III
III	DHCP	1	2	III

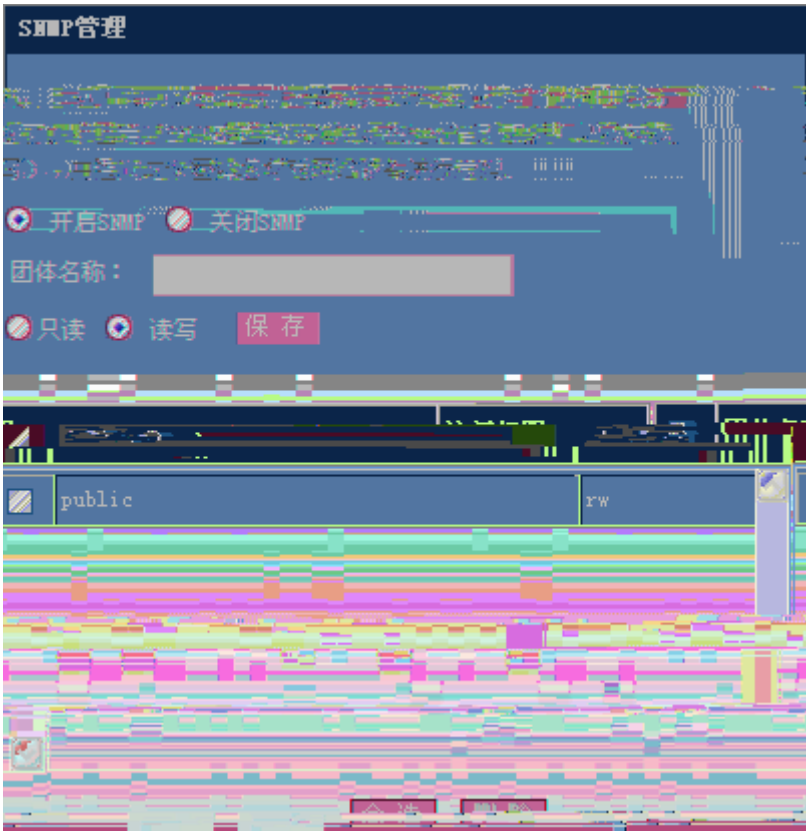
2.2.9 IGMP Snooping

1 IGMP Snooping 2 III

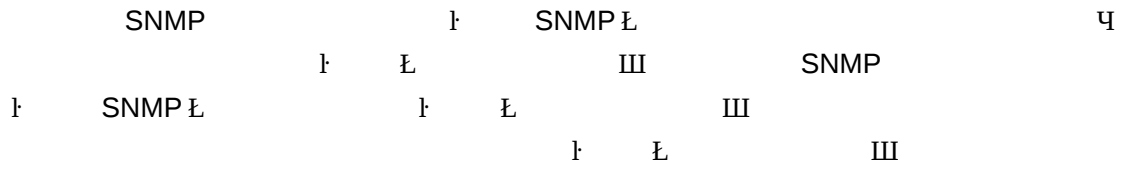
IGMP Snooping



SNMP

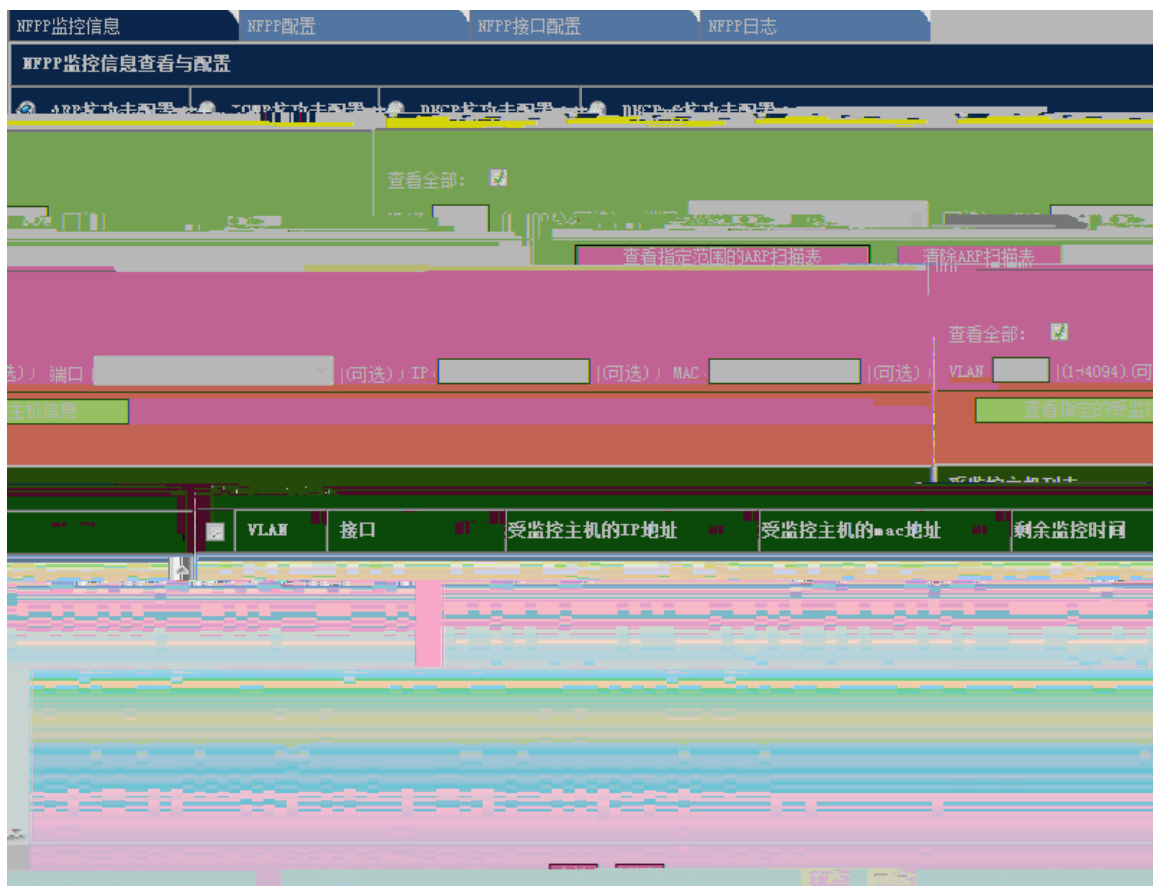


19 SNMP



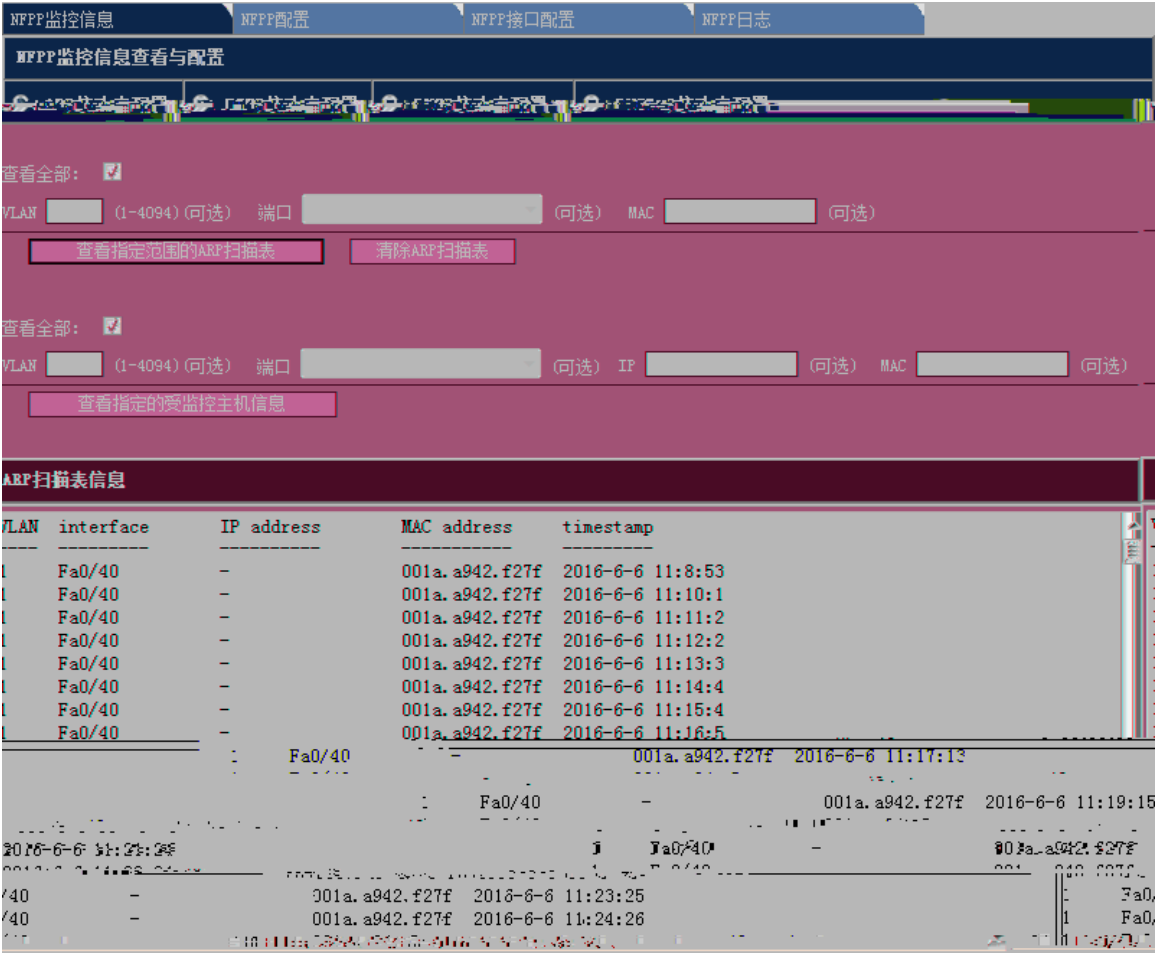
2.2.12 NFPP



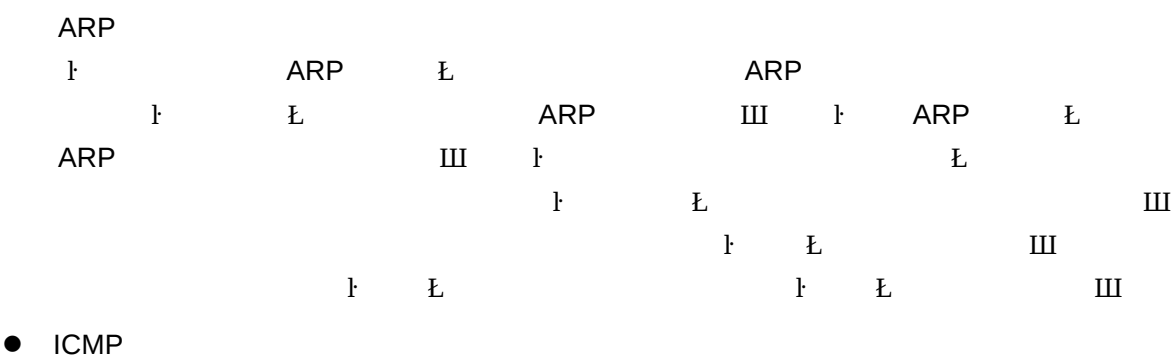


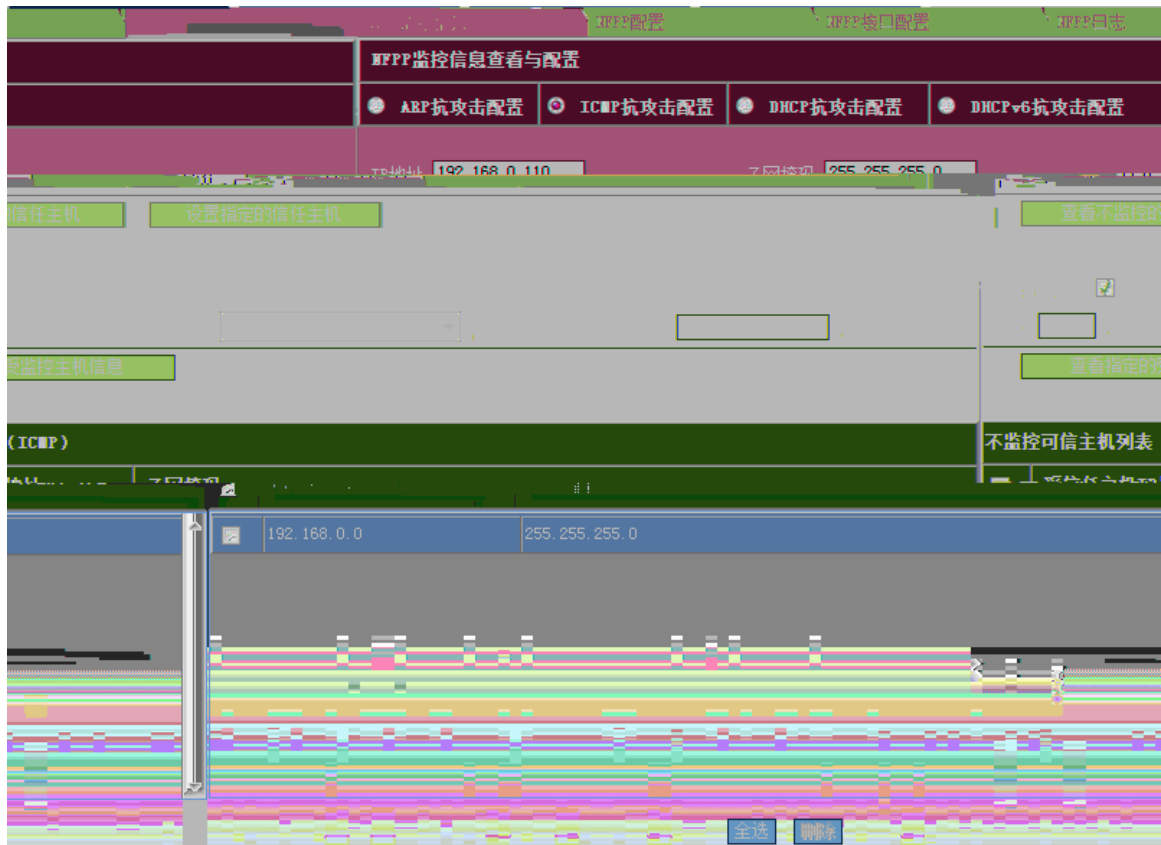
20 NFPP

- ARP

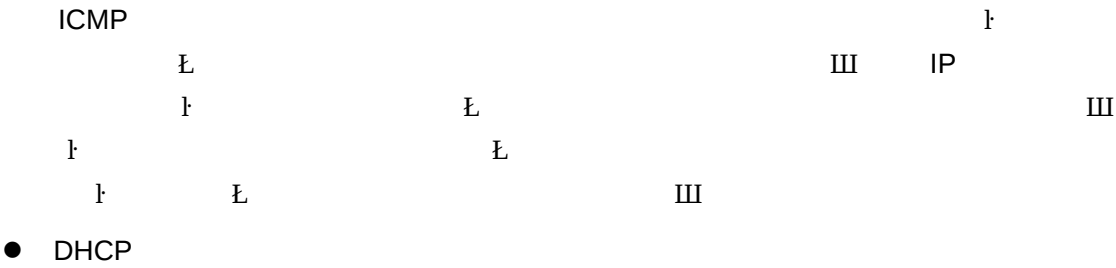


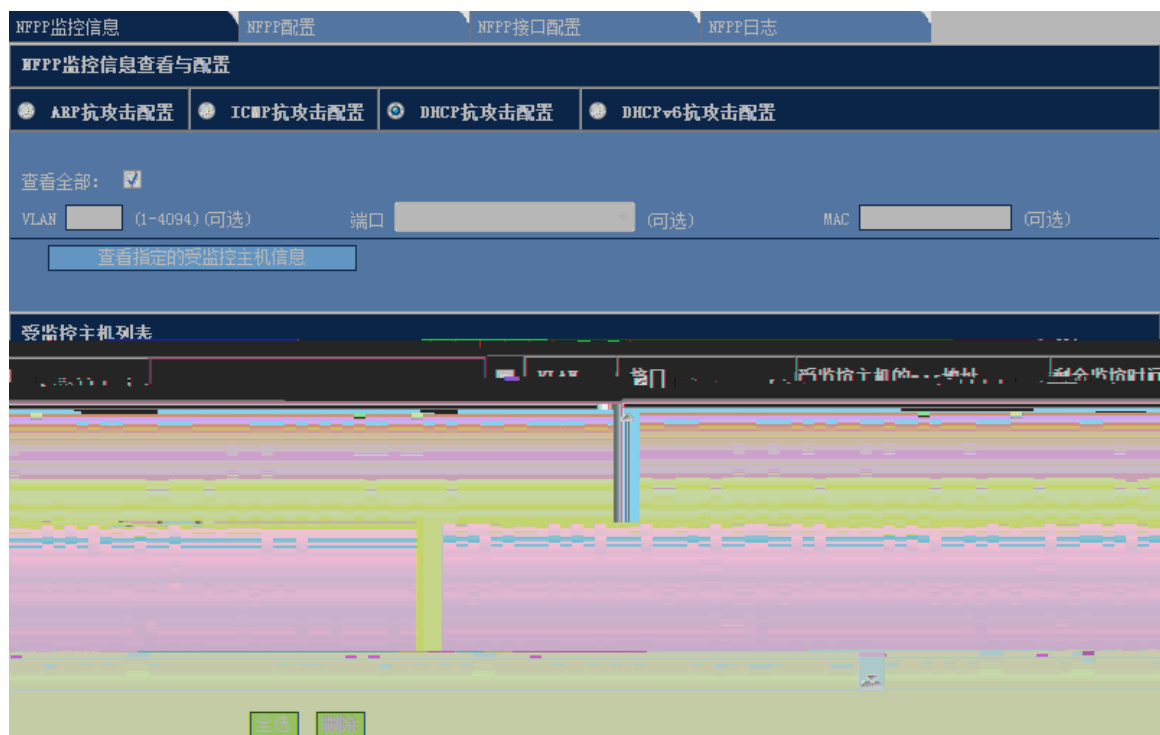
21 ARP





22 NFPP --ICMP



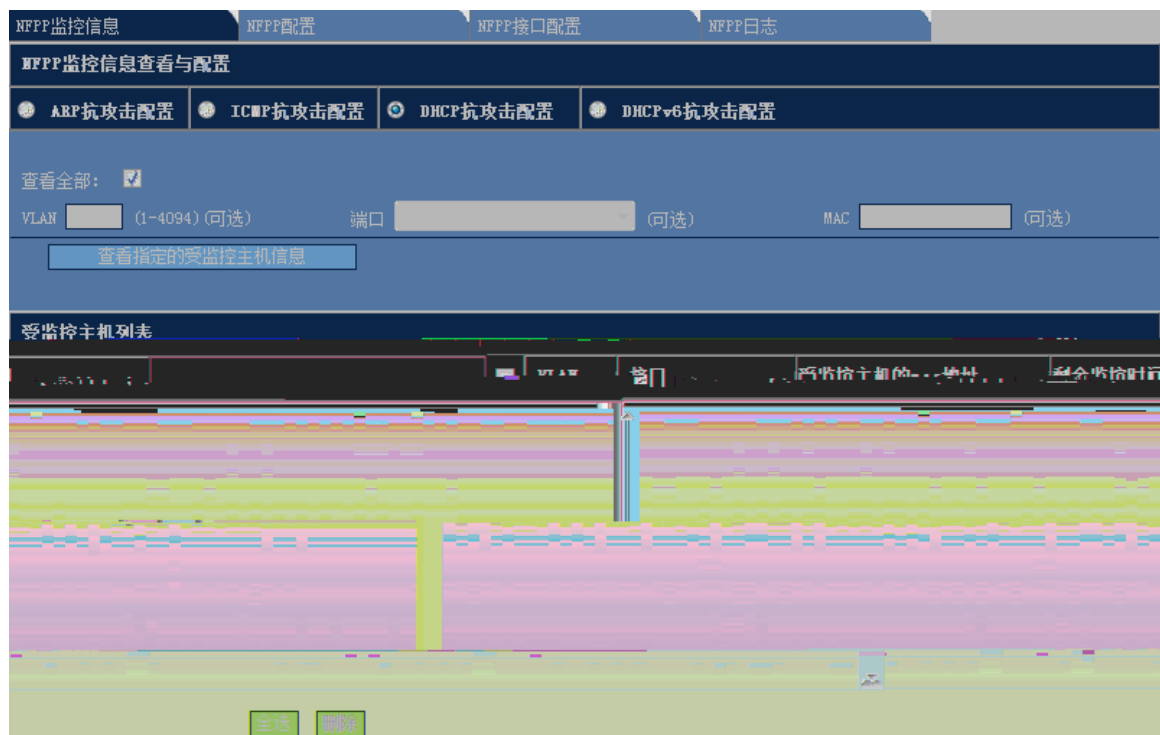


23 NFPP DHCP

DHCP

$$\begin{array}{ccc} \mathfrak{f} & & \mathbb{L} \\ & \mathfrak{f} & \mathbb{L} \end{array}$$

- DHCPv6



24 NFPP DHCP

DHCPv6

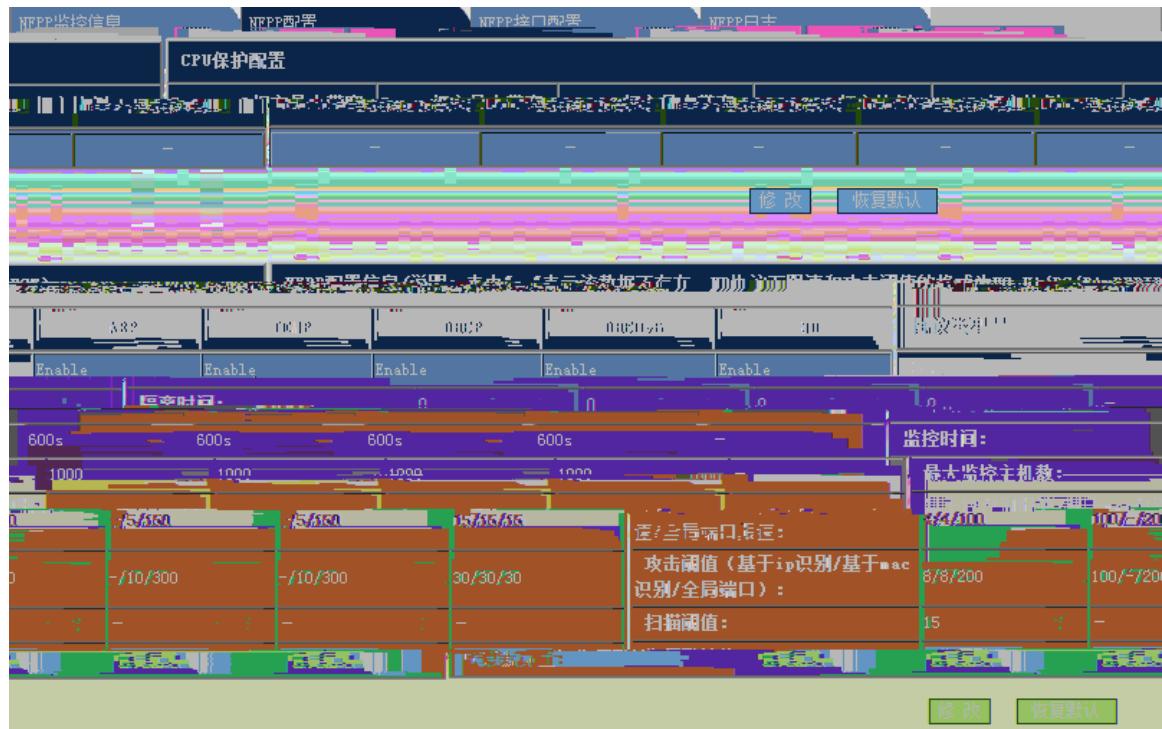
1

2

1

2

2 NFPP

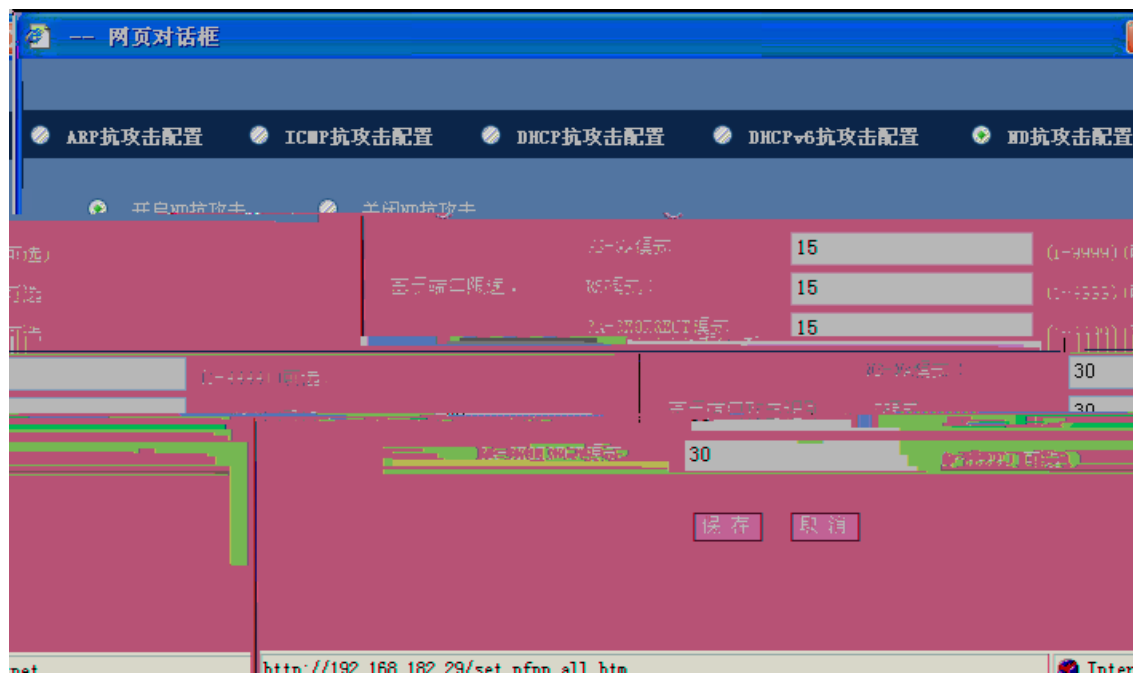


CPU

$$\vdash \quad \mathbb{L}$$
$$\vdash \quad \mathbb{L}$$

III

- NFPP



27 NFPP

NFPP

 $\mathbb{L}$

NFPP

$$\mathbb{I} \quad \mathbb{L}$$

NFPP

III 1 £

 $\vdash \quad \mathbb{L}$

III

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抗攻击配置DHCP抗攻击配置DHCPv6抗攻击配置ND抗攻击配置ARP抗攻击配置

0/1

开启ARP抗攻击

关闭ARP抗攻击

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	☐	接口	ARP抗攻击
	123	123/789/123	123/789/456	123	☒	Fe0/1	Enable

全选

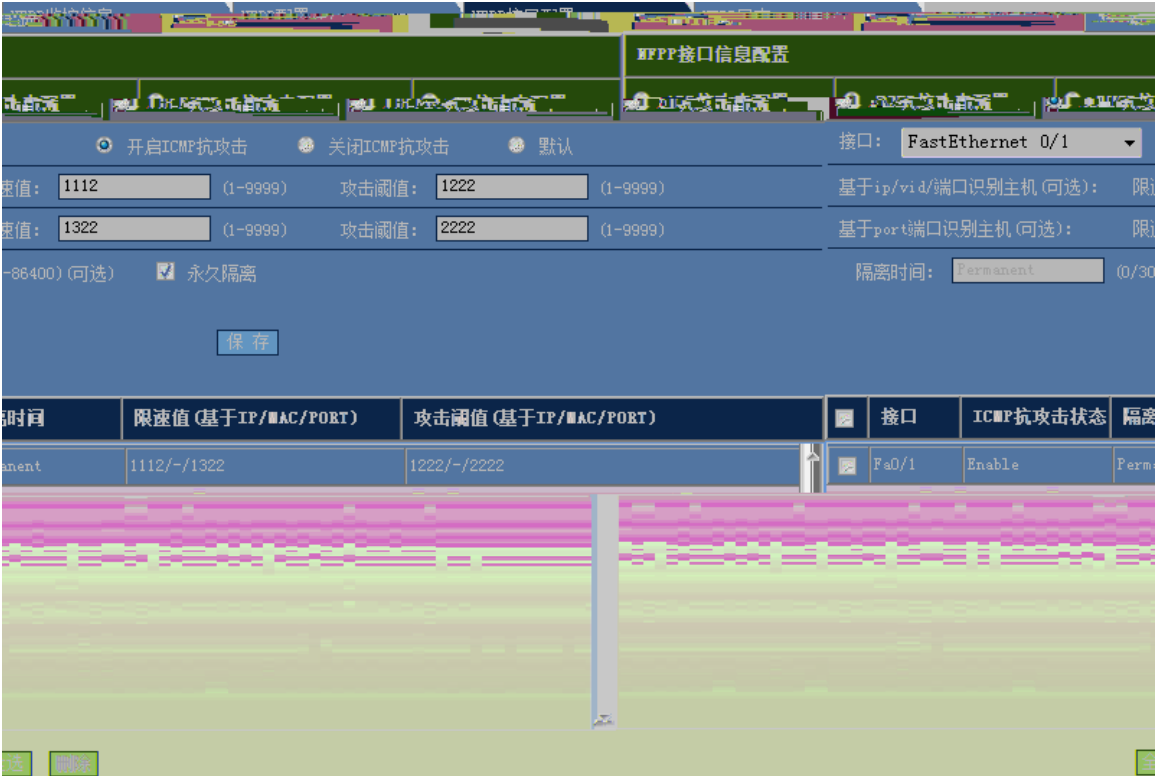
清除

28 NFPPNFPPARP

ARPNFPP
I L
III

- ICMP

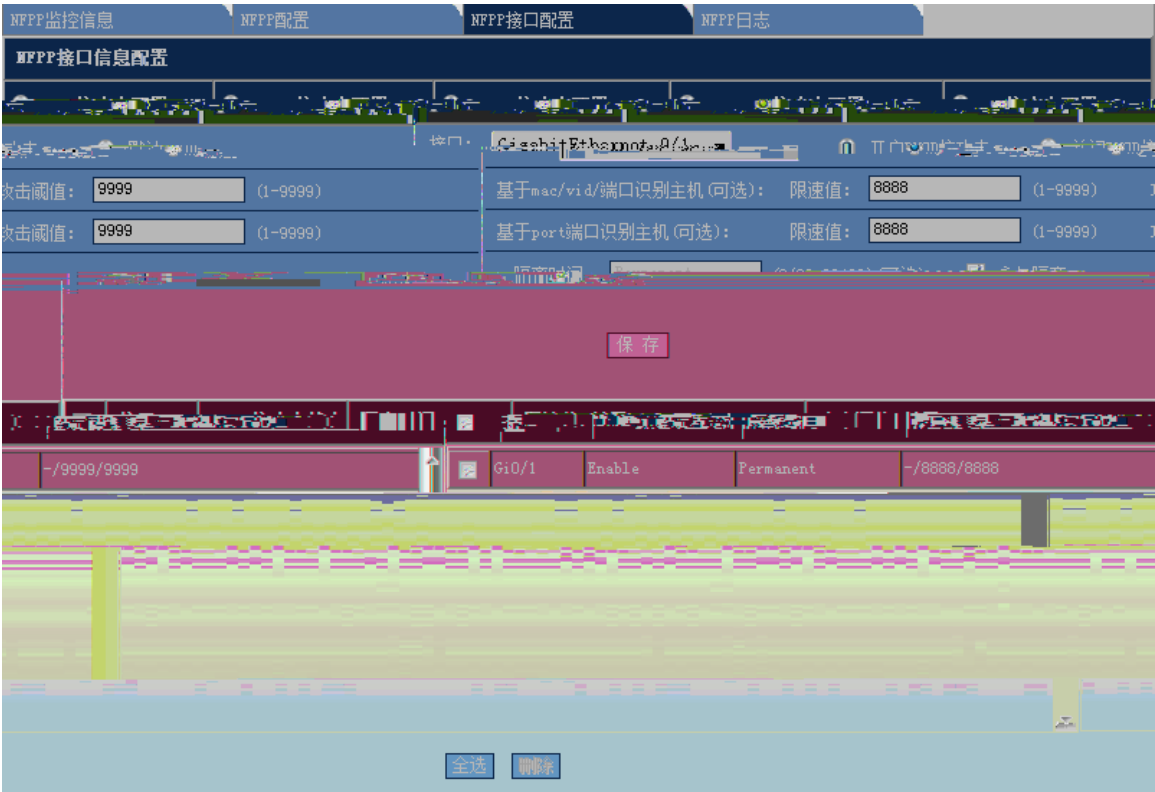
23



29 NFPP NFPP ICMP

ICMP NFPP
I L
III

- DHCP

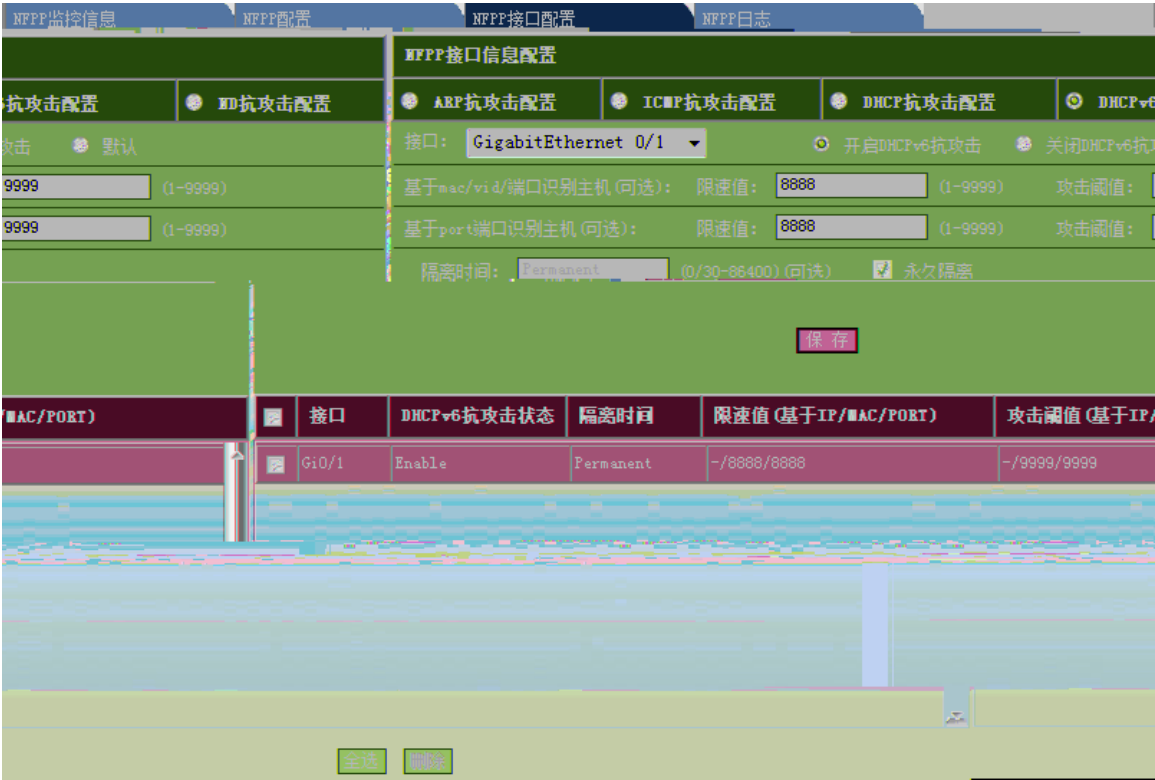


30 NFPP NFPP DHCP

DHCP NFPP
f L

III

- DHCPv6



31 NFPF NFPF DHCPv6

DHCPv6 NFPF

f L

III

- ND

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

DD攻击配置

Cisco EtherNet 0/1

限速值: 8888 (1-9999) 攻击阈值: 9999 (1-9999) NS-NA模式:

限速值: 1111 (1-9999) 攻击阈值: 2222 (1-9999) 基于arp+ / tcp / udp / 端口 / 识别主机 (勾选):

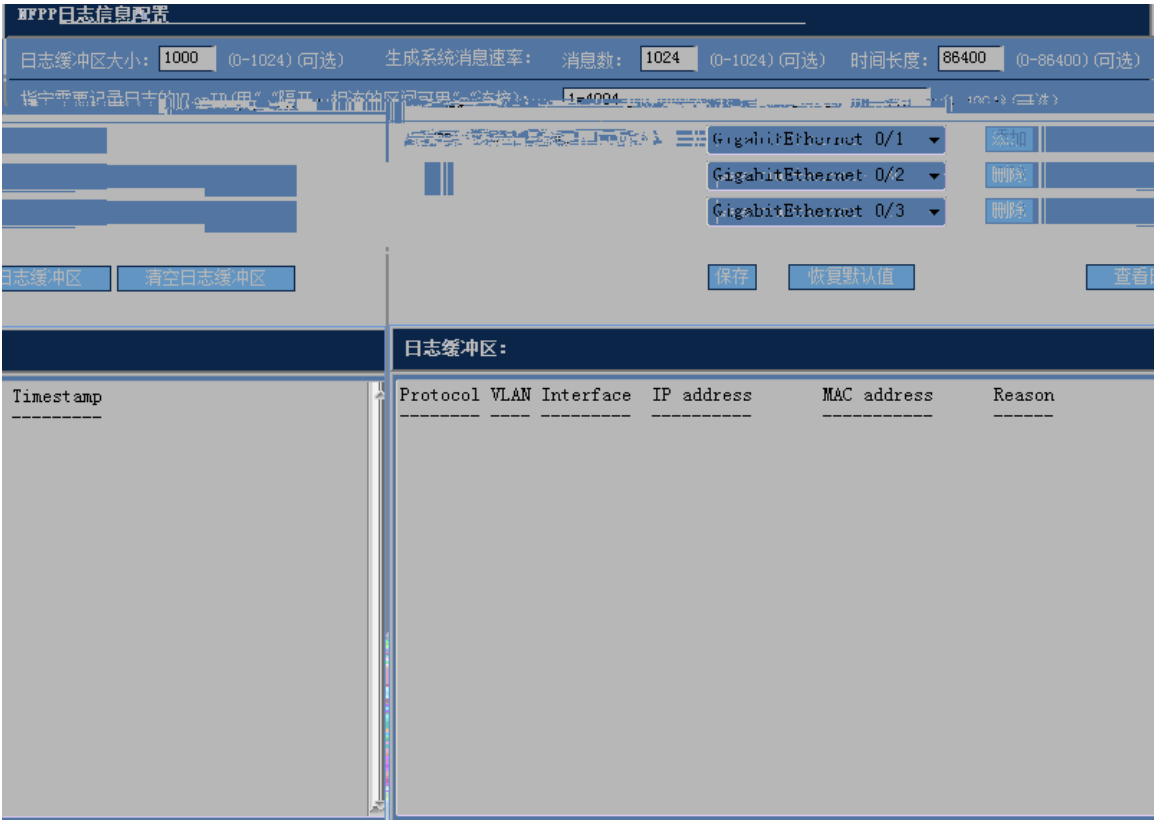
保存

	G10/1	Enable	8888/1111/3333	9999/2222/5555
--	-------	--------	----------------	----------------

全选

删除

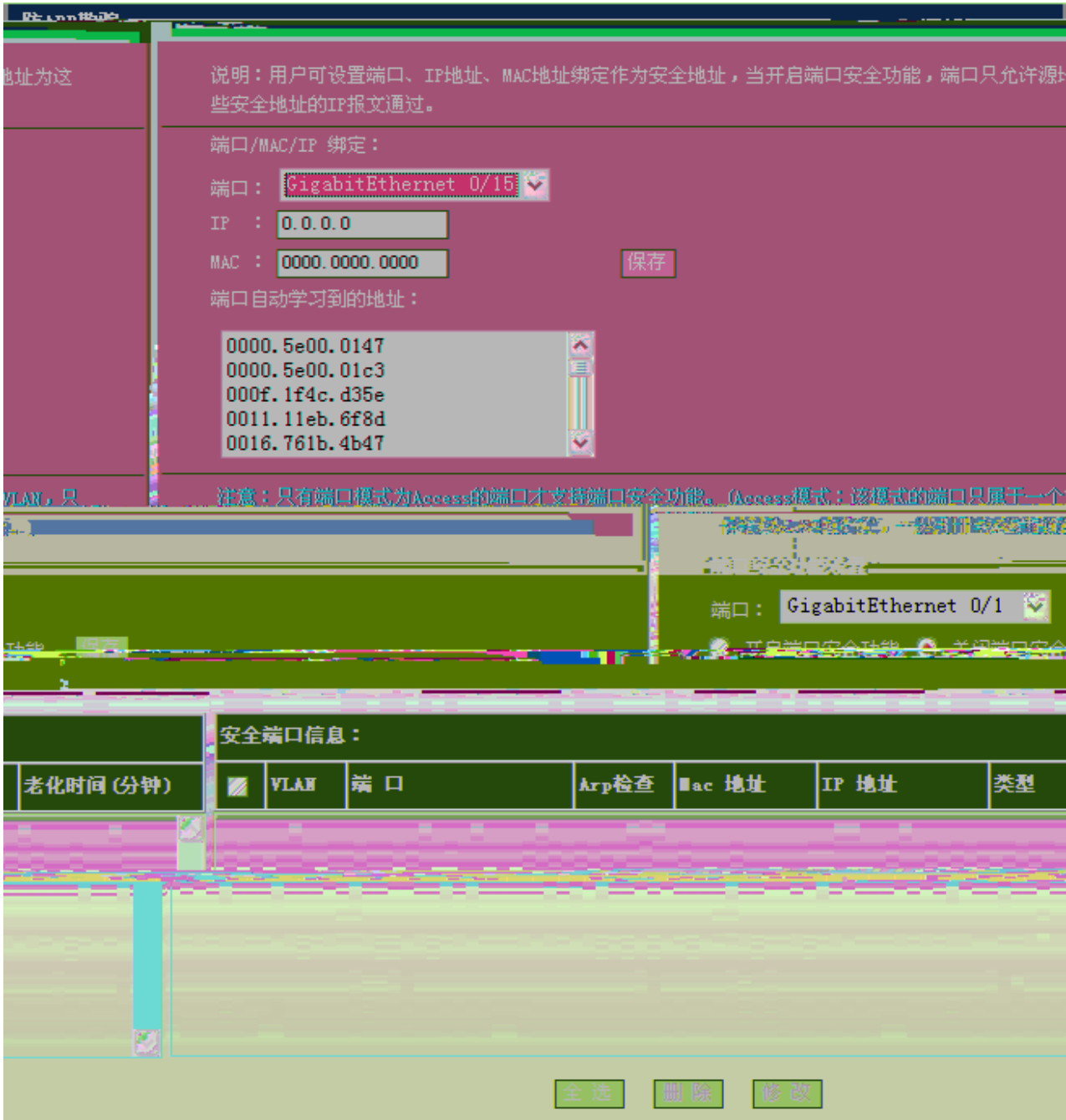
32 NFPP N NFPP



2.3

2.3.1 ARP

I ARP L III
ARP



36 ARP

1) /MAC/IP

/MAC/IP

IP MAC 1 2

MAC

GigabitEthernet 0/15

MAC III

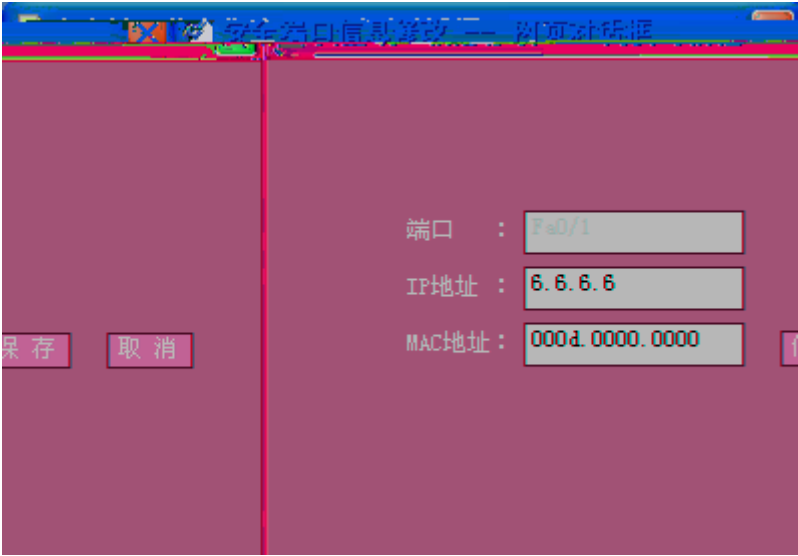
2

III

III

3)

┆ Ł



37

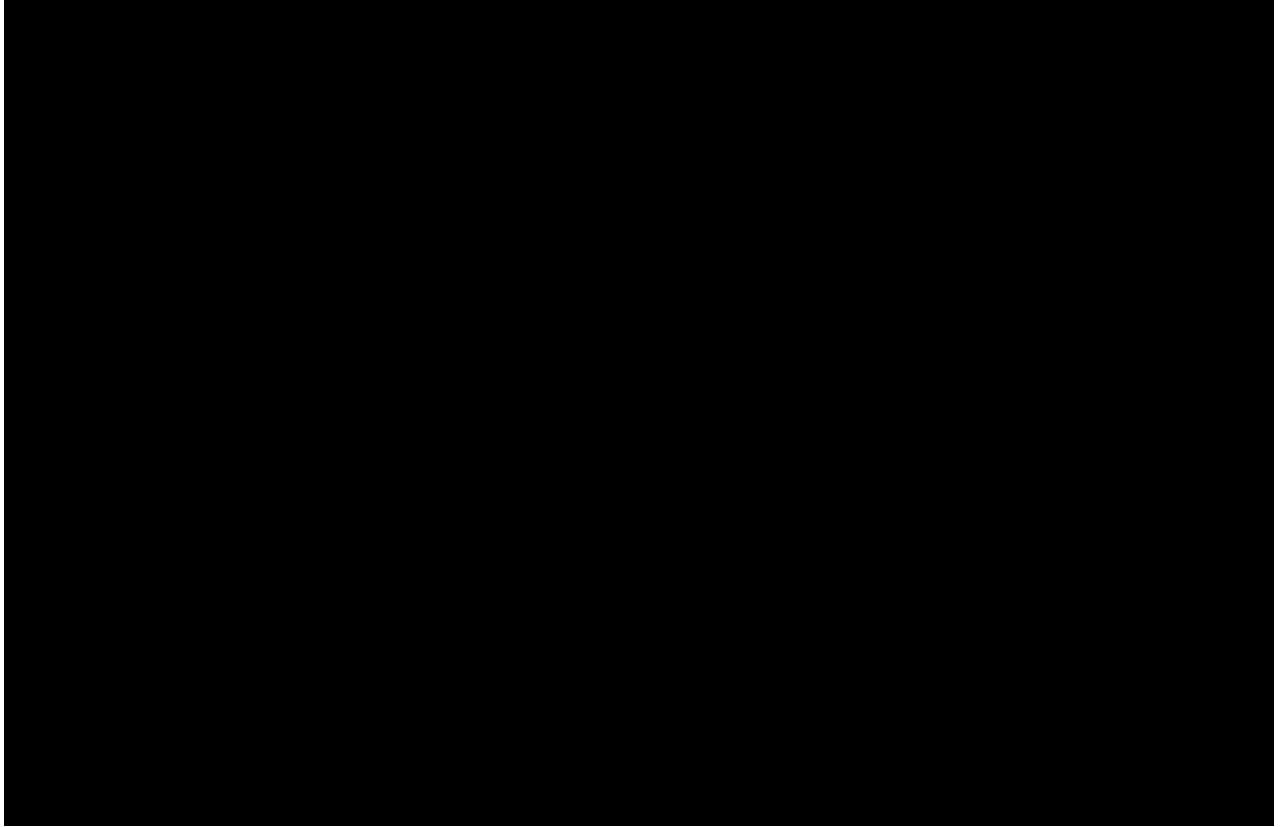
┆ Ł

2.3.4 ACL

 $\vdash \text{ACL} \perp$

III

ACL



39 ACL

1 ACL

ACL

ACL

 $\vdash \perp$
 $\vdash \perp$

2 ACL

IP

 $\vdash$

IP

 $\perp$

IP

ACL

ACE III

ACL

ACL

ACE

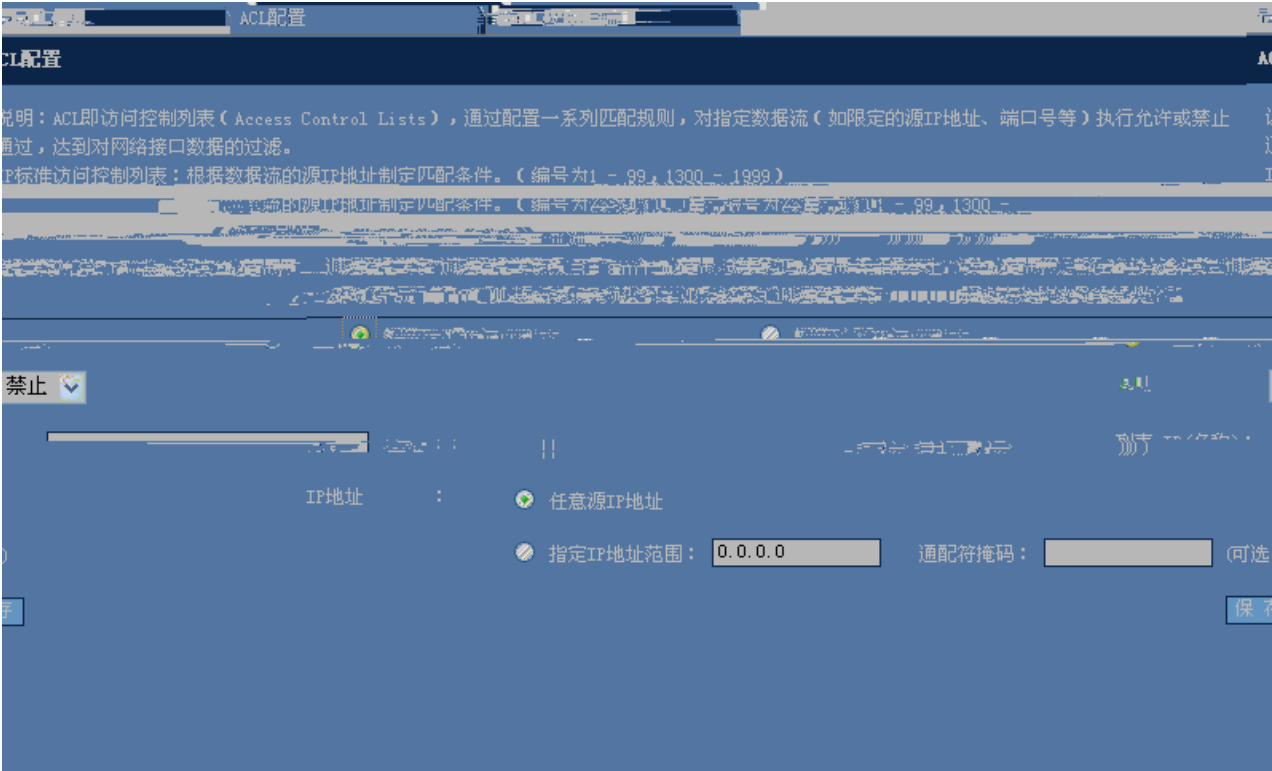
 $\vdash$
 $\perp$

ACE

ACL

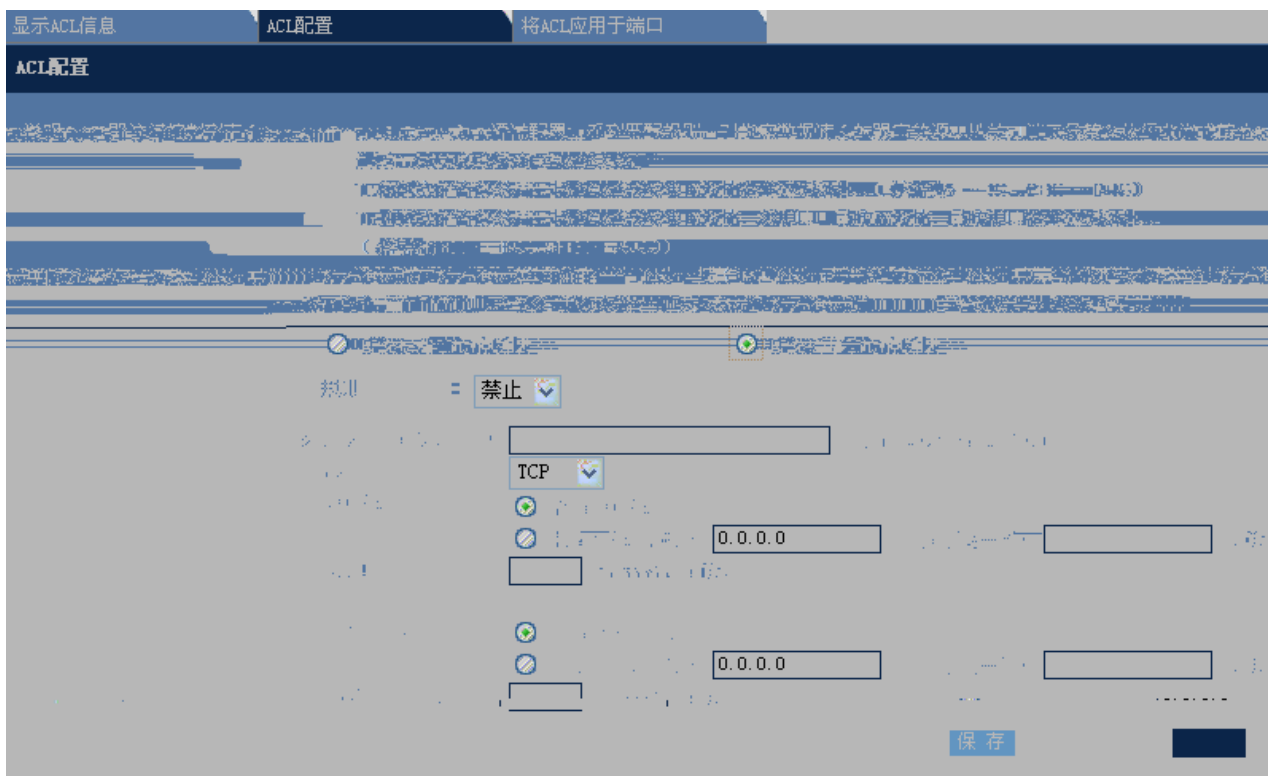
III

III



40 IP

IP ID III
IP , IP III
IP IP IP IP



41 IP

I L I L III

ID III

TCP и UDP и IP и ICMP

IP IP IP III

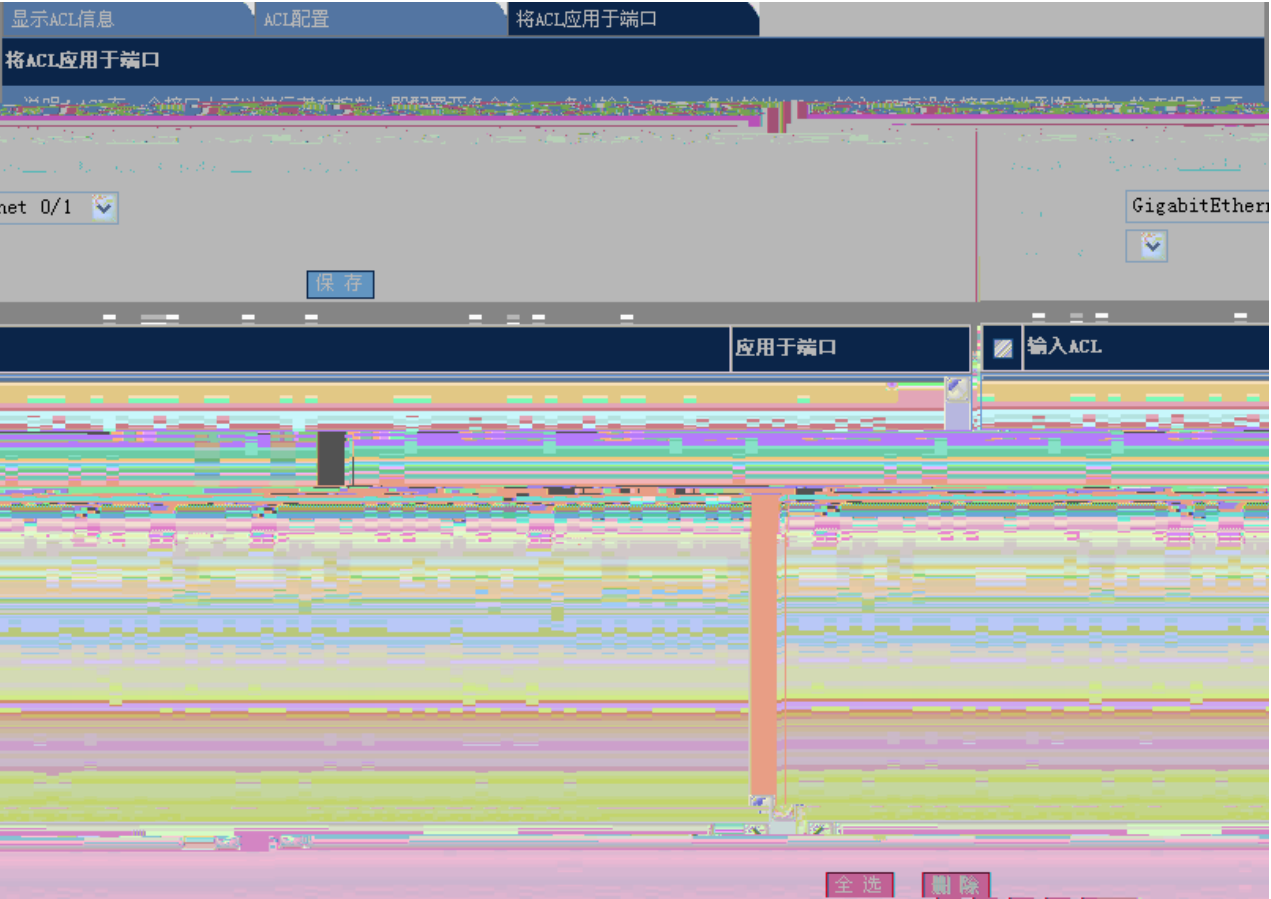
III

IP IP IP

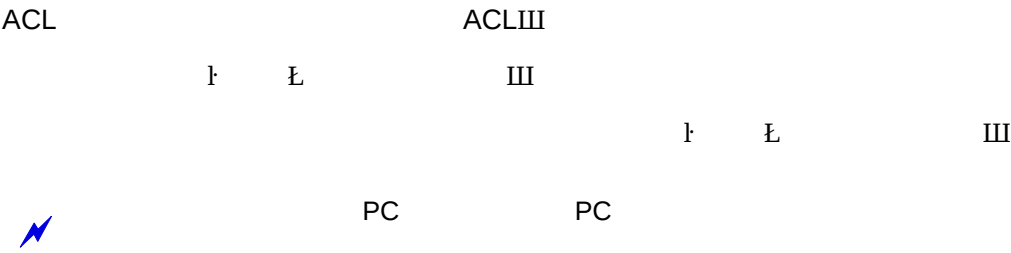
III

I L III

3 ACL



42 ACL



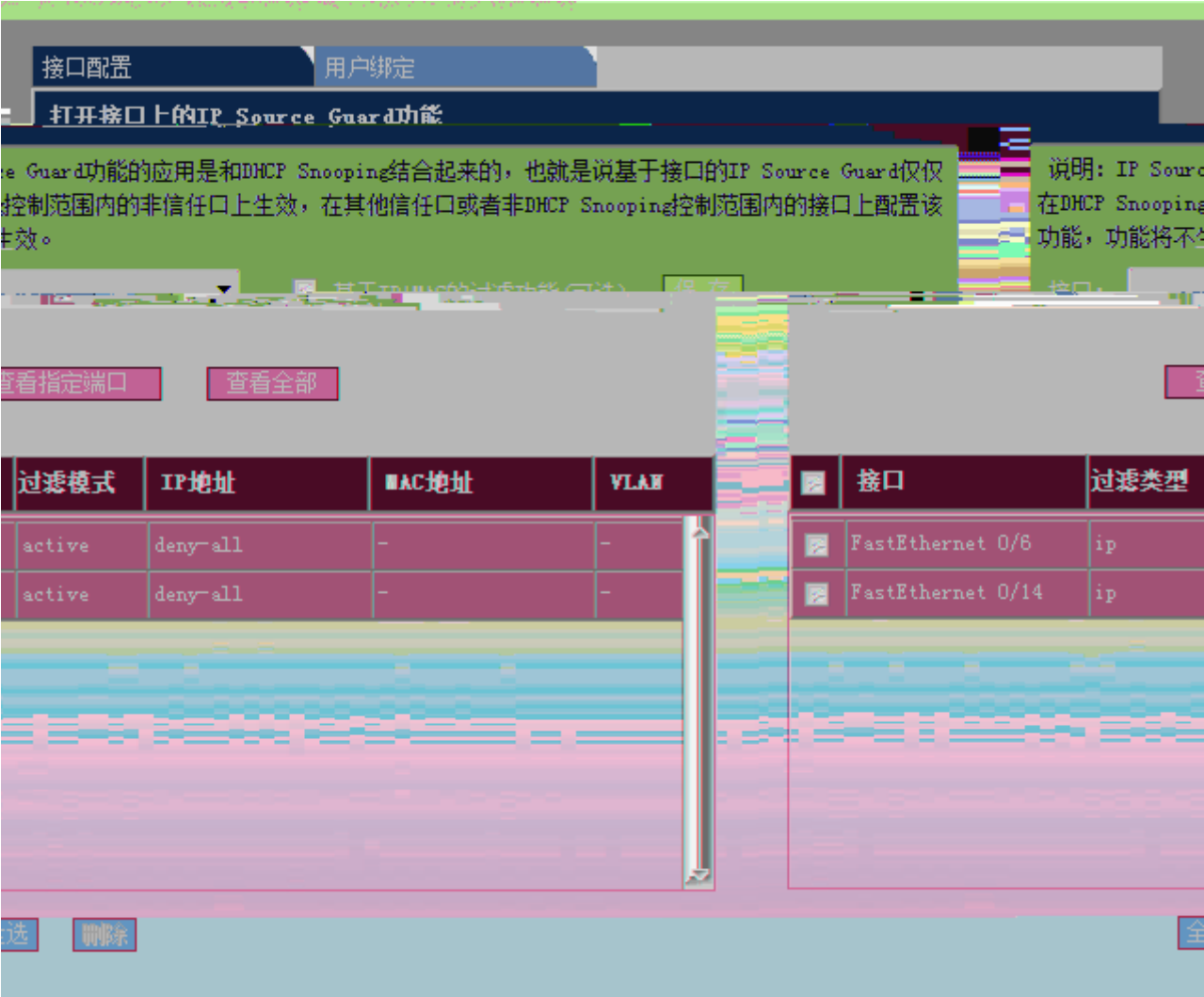
IP Source Guard
DHCP Snooping

DHCP Snooping

III

I IP Source Guard III

IP Source Guard



43 IP Source Guard

1

IP Source Guard III
IP+MAC I IP+MAC ()

2

IP

MAC

MAC

VLAN	VLAN ID
IP	IP

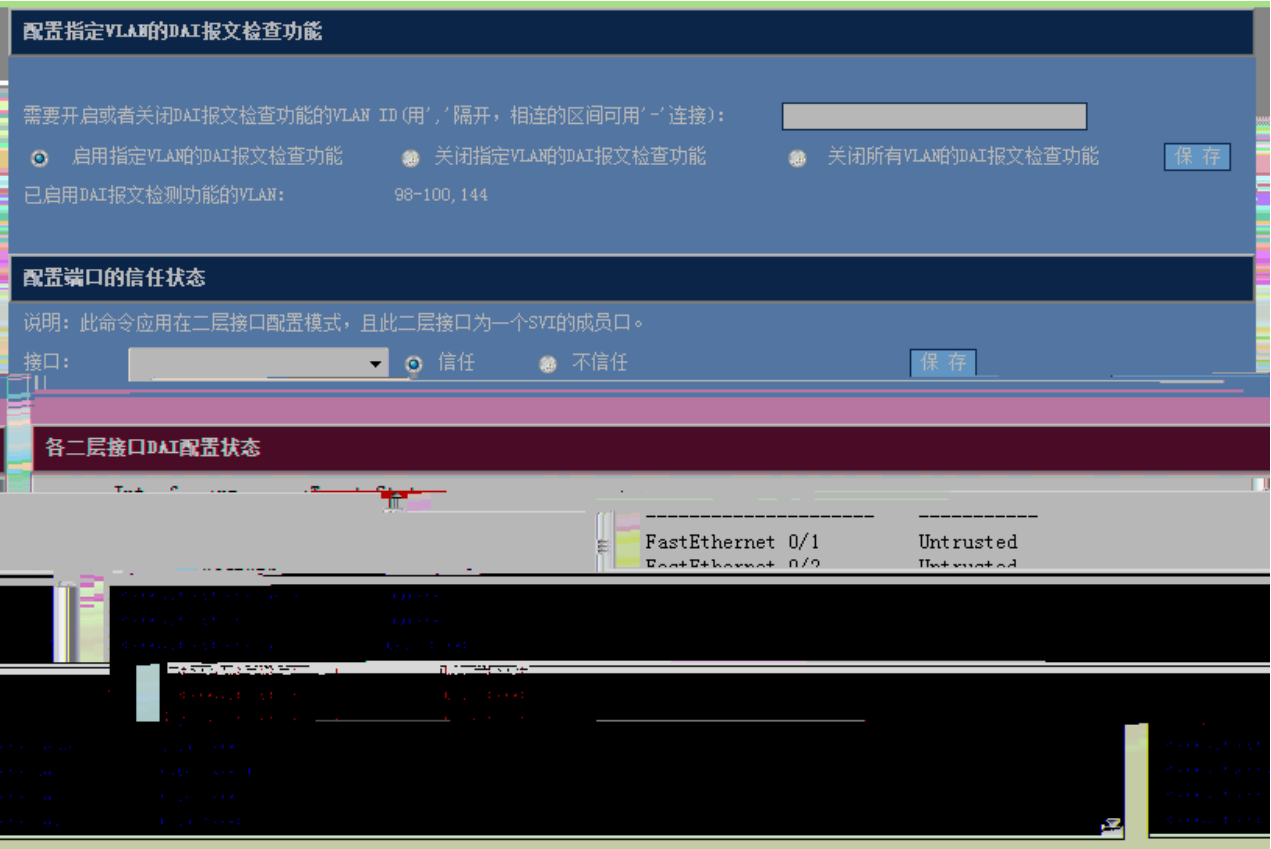
III



44

2.3.6 DAI

DAI	Dynamic ARP Inspection	ARP	III	ARP
	arp	III		
I DAI L	III			
DAI				



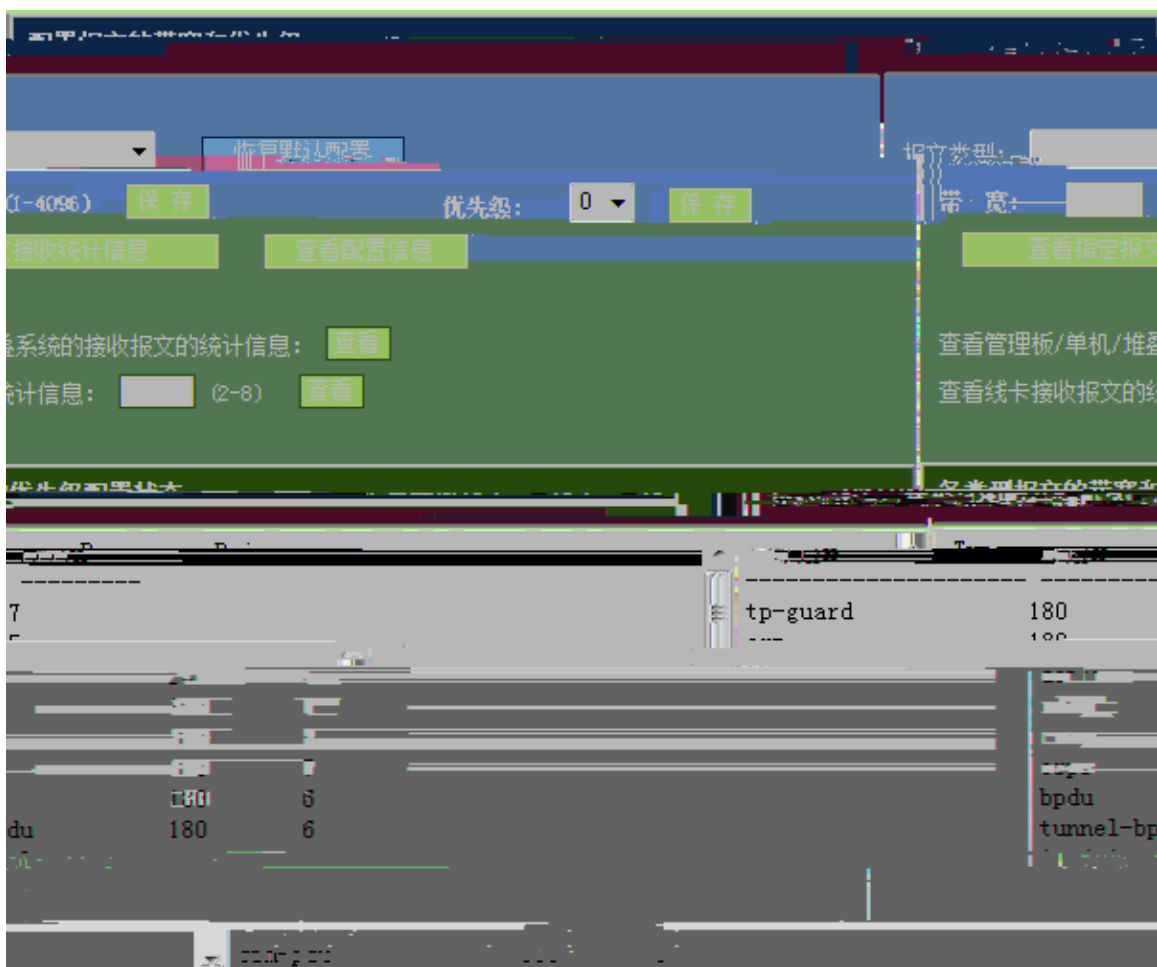
45 DAI

- 1
- VLAN
- DAI
- VLAN
- DAI
- III

GSN	GSN
	III
III	

2.3.8 CPP

I. CPP L III



47 CPP

I

II

III

IV

V

VI

VII

VIII

IX

X

XI

XII

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

48

$$\mathbb{L} \quad \mathbb{L}$$

Type	Port	Priority
arp-guard	180	7
dot1x	2000	4
rldp	180	7
180	7	rrp
180	7	erps
180	6	hdu
tunnel-bpdu	180	6
ipv4-icmp-local	1600	6
lldp	180	5
lldp_cdp	180	5
cfn-pdu	180	3

49

$$\frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} \frac{e^{-t^2}}{1+t^2} dt = \frac{\pi}{2}$$

Type	Pps	Total	Drop
all	11	200	0
unicast	11	200	0
multicast	11	200	0
broadcast	11	200	0
unicast, broadcast	11	200	0
unicast, multicast	11	200	0
multicast, broadcast	11	200	0
unicast, multicast, broadcast	11	200	0
drop	0	0	0
drop, broadcast	0	0	0
drop, multicast	0	0	0
drop, broadcast, multicast	0	0	0

50 / /

I L III

2.3.9 RADIUS

I RADIUS L III

1 RADIUS

Radius服务器

Radius服务器组

AAA参数配置

AAA new-model:

开启

关闭

密钥:

隐藏密钥

保存

记帐计费更新功能:

开启

关闭

配置地址:IP服务器地址:192.168.0.111

IP授权模式:

supplicant

保存

Radius服务器

Radius服务器IP地址:

192.168.0.111

保存

UDP认证端口:(0-65535) (可选)

UDP记帐端口:(0-65535) (可选)

态

Radius服务器IP地址

认证端口

记帐端口

服务器状态

192.168.0.111

1813

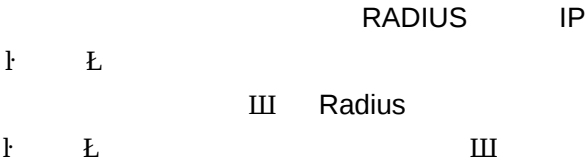
1812

全选

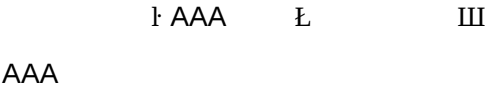
删除

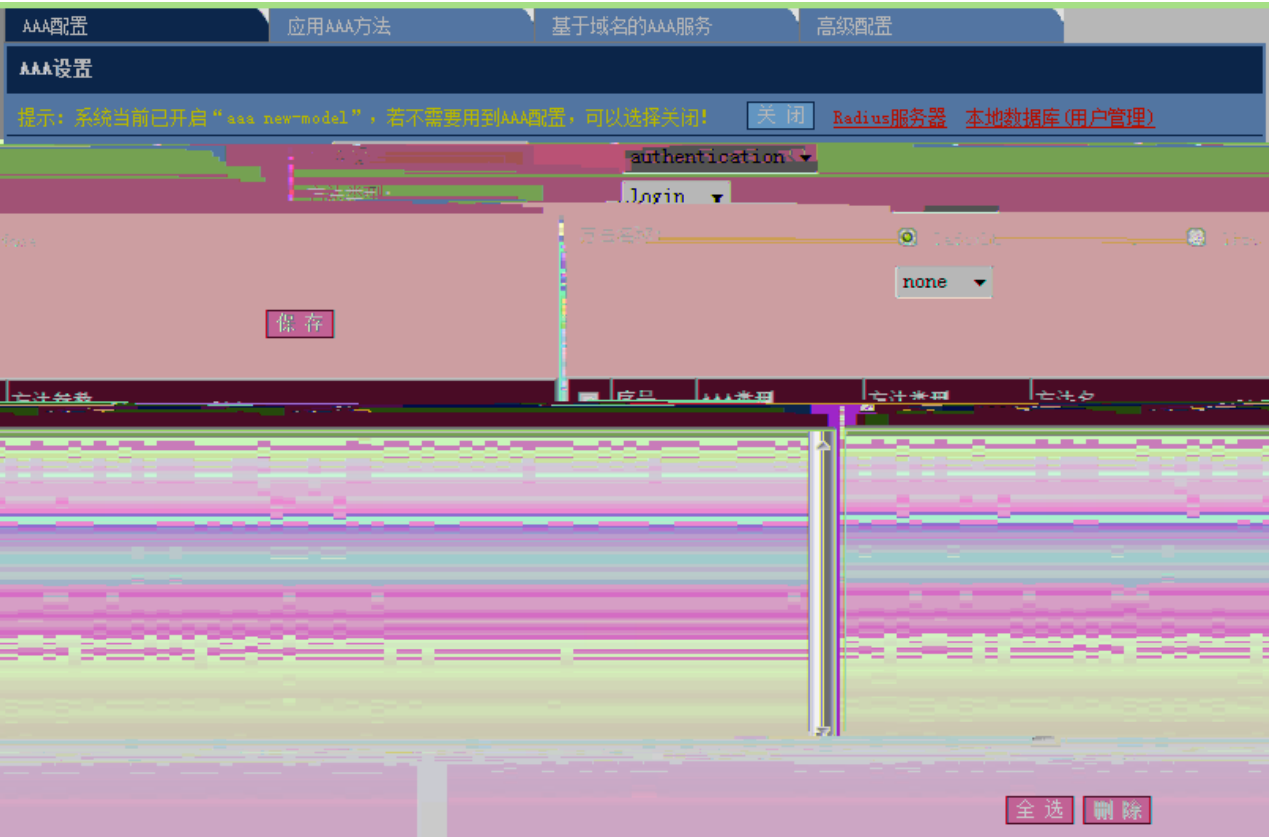


52 RADIUS



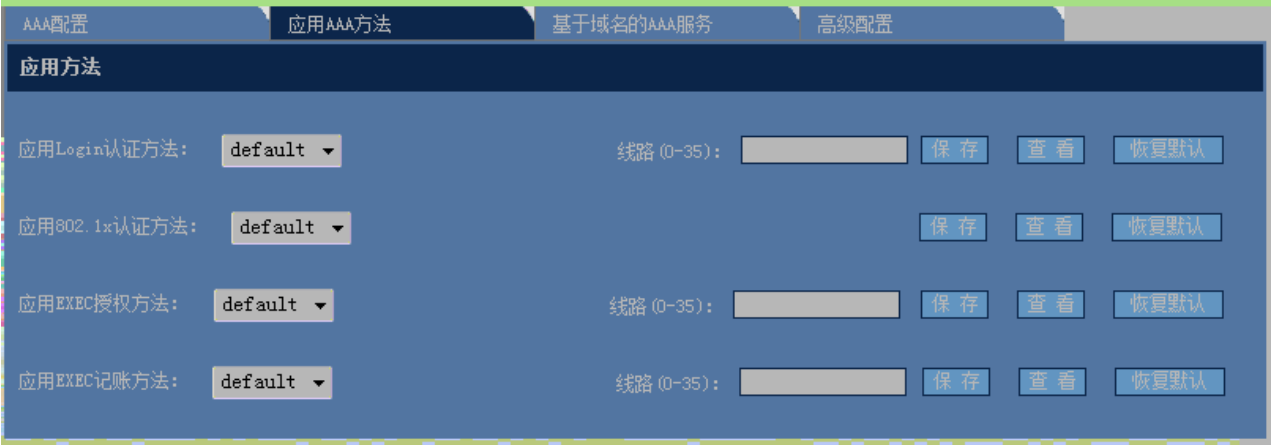
2.3.10 AAA



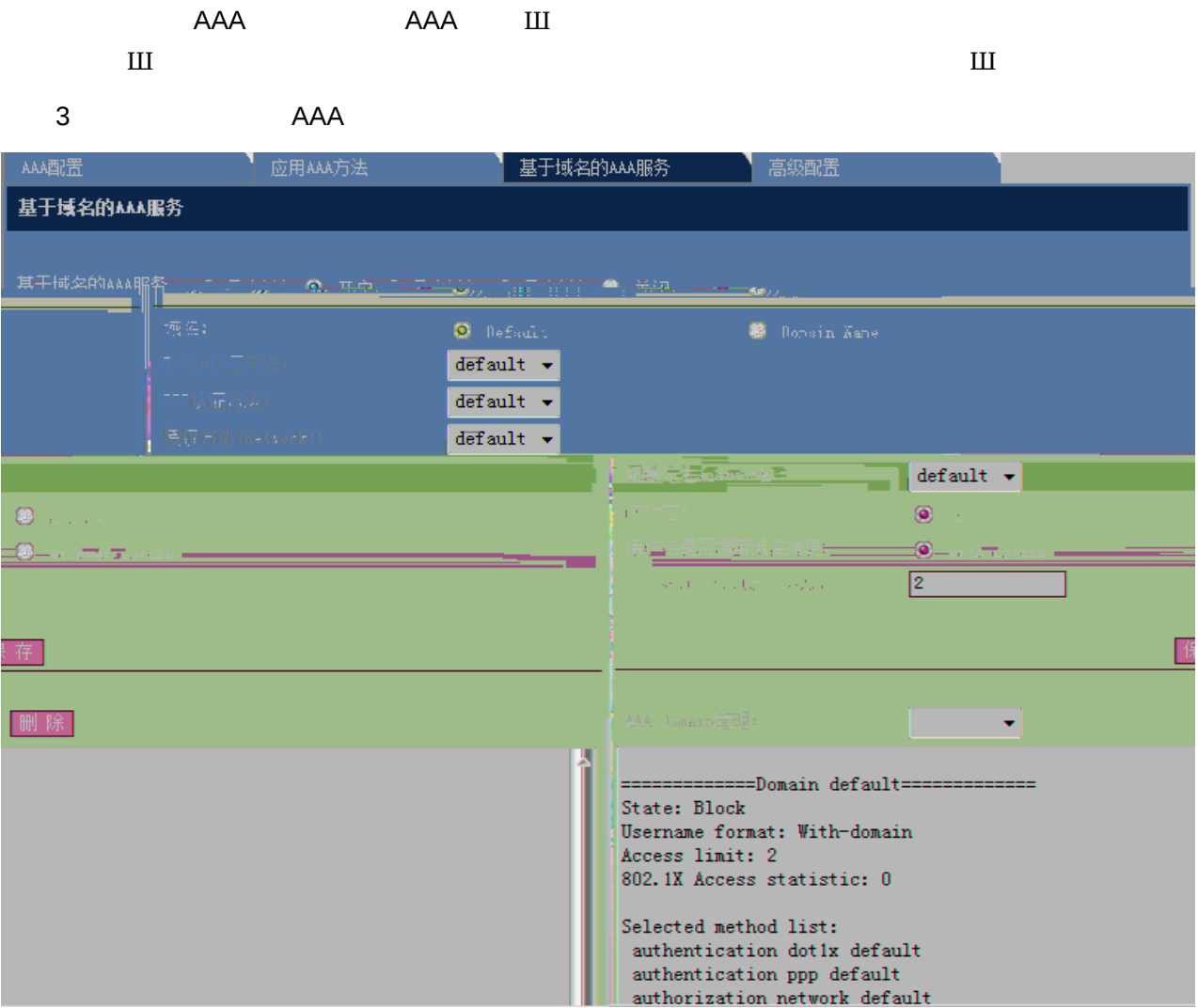


53 AAA

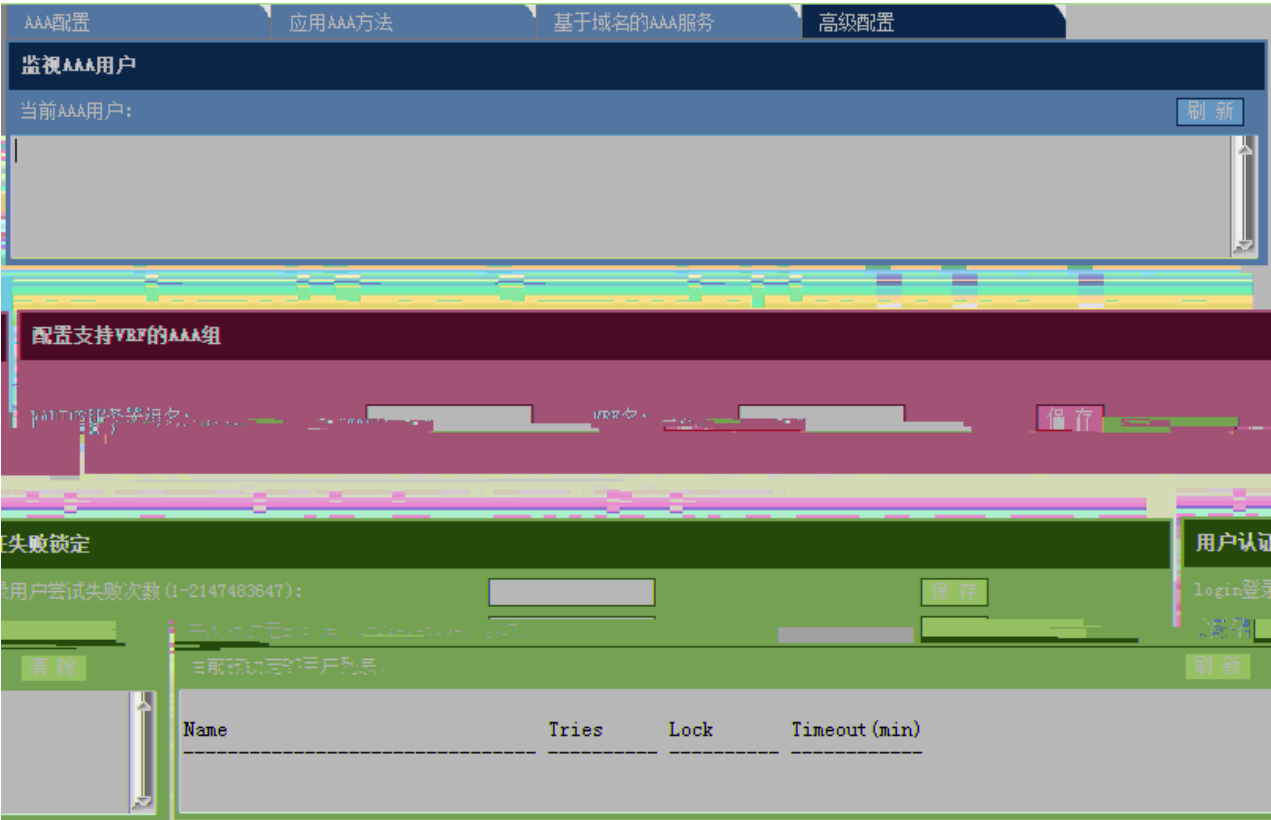
- 1 AAA
- AAA authentication authorization accounting AAA
- login enable ppp dot1x exec command network III
- List Name local group
- III
- 2 AAA



54 AAA



		55	AAA		
		AAA	Dot1x	PPP	
(network)	(network)			Access Limit	
			III		
		AAA Domain	III		
4	AAA				



56 AAA

AAA AAA VRF AAA III

2.3.11 Dot1x

I Dot1x L III

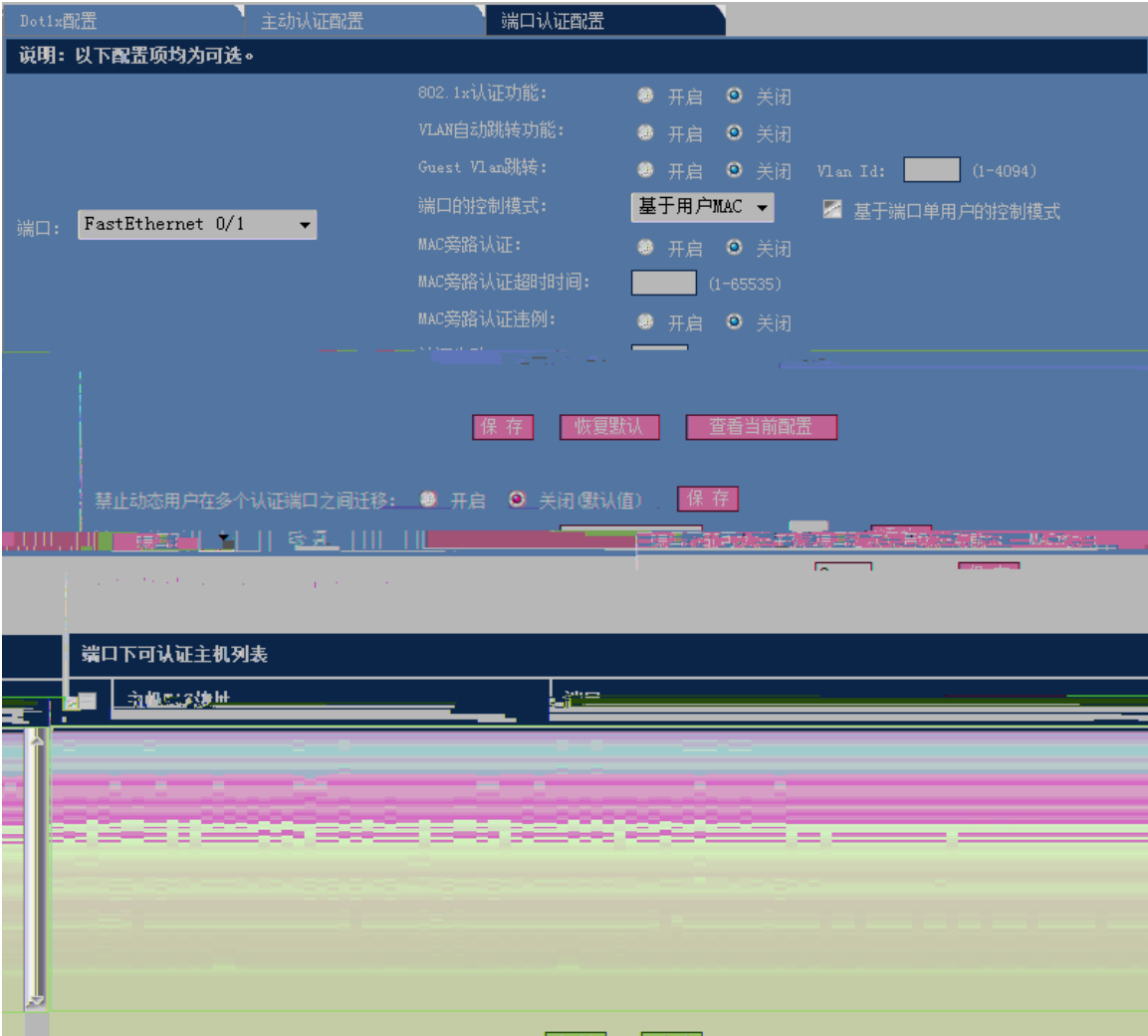
1 Dot1x



57 Dot1x

Dot1x

f L



Dot1x

I L

I L

I L

III



60 2

I L

III 802.1x

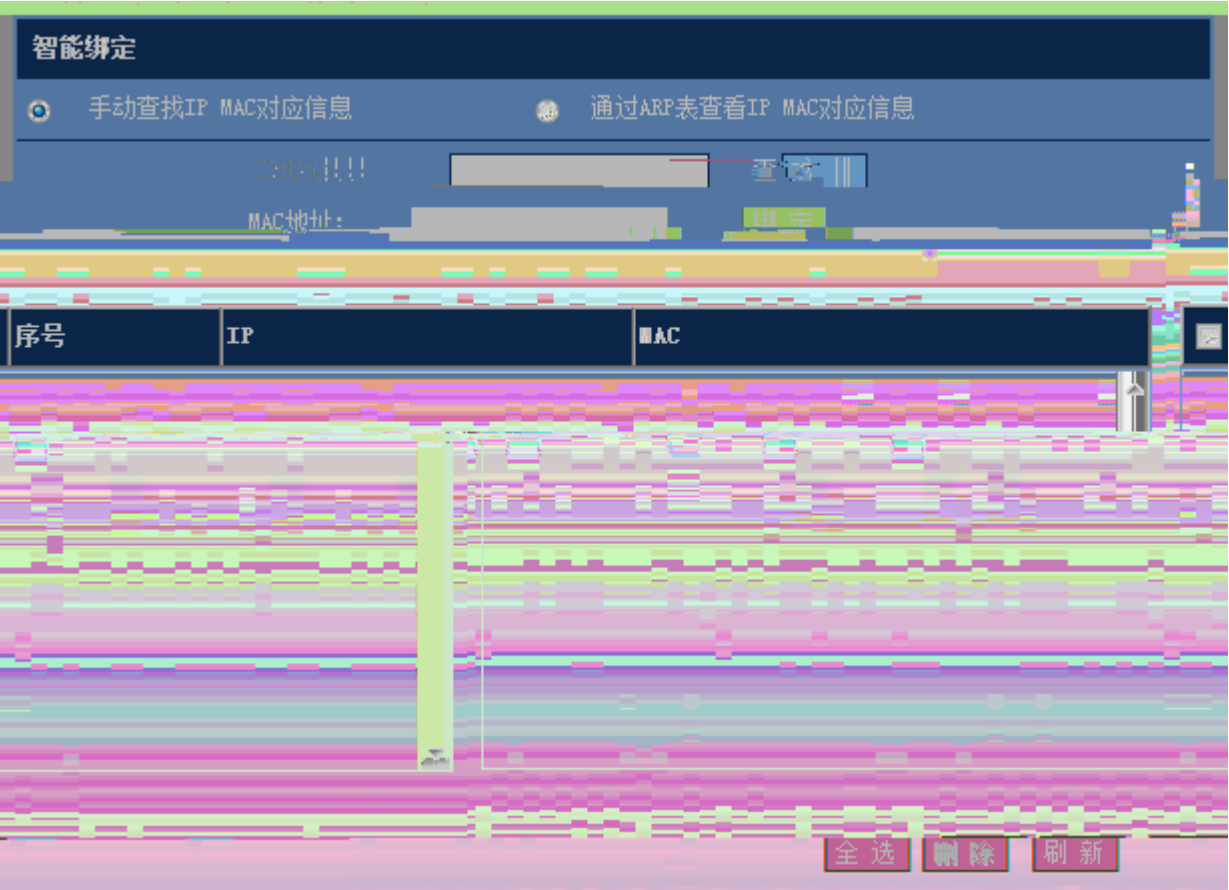
MAC I L

III III VLAN

I L

2.3.12

I L III



61

	IP	MAC		
1	IP		MAC	MAC
		III		
2	ARP	IP	MAC	III

智能绑定

手动查找IP MAC对应信息

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

I web L III
web



64

IP

III

III

3)



65

IP

III

III

III

4)

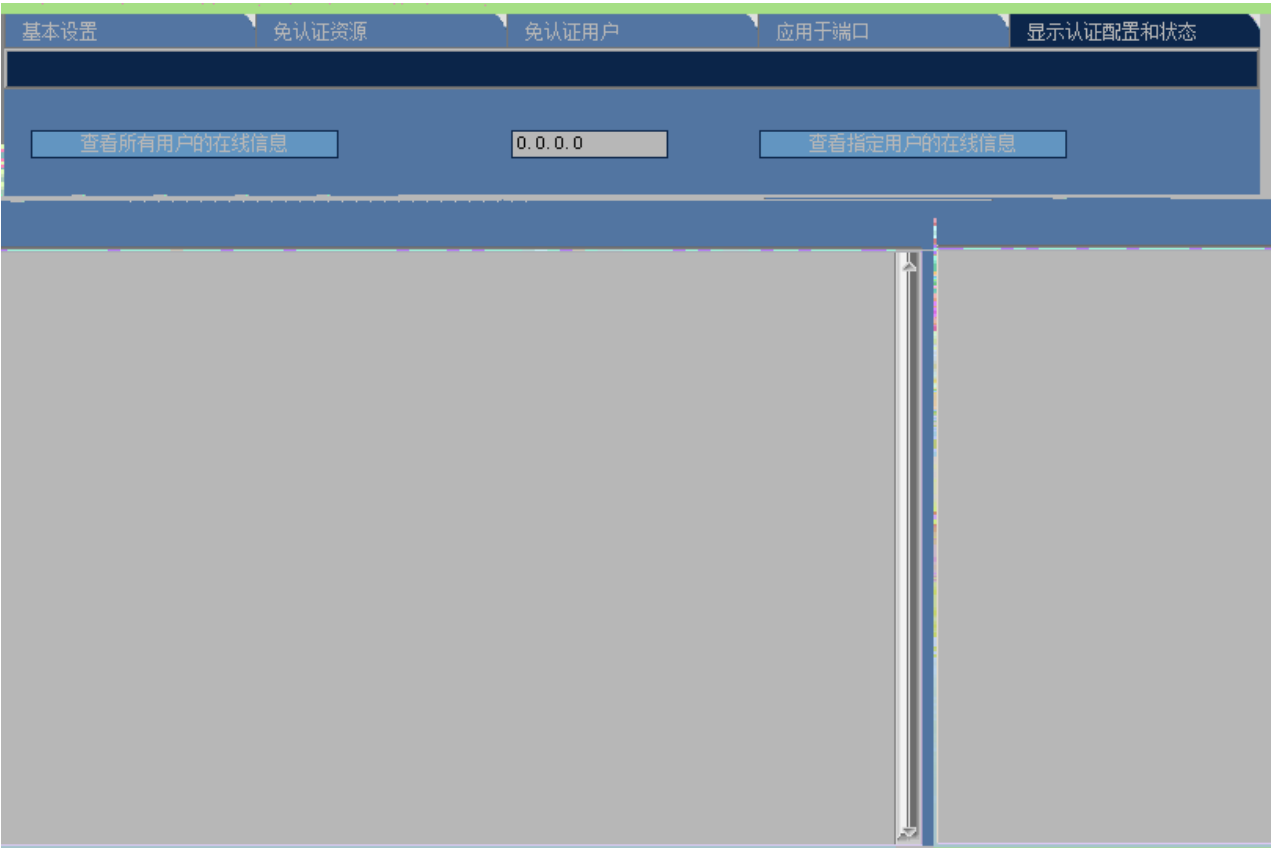


66

III

III

5)



67

IP

III

2.3.14 DHCP Snooping

1. DHCP Snooping 2

III

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

接口：

DHCP Snooping配置信息			
限速	☒	端口	信任端口
	☐		

68 DHCP Snooping

1)DHCP Snooping

DHCP Snooping DHCP Snooping MAC

I L III

2)DHCP Snooping

I L III

I L III

2.4 QOS

2.4.1

I L III



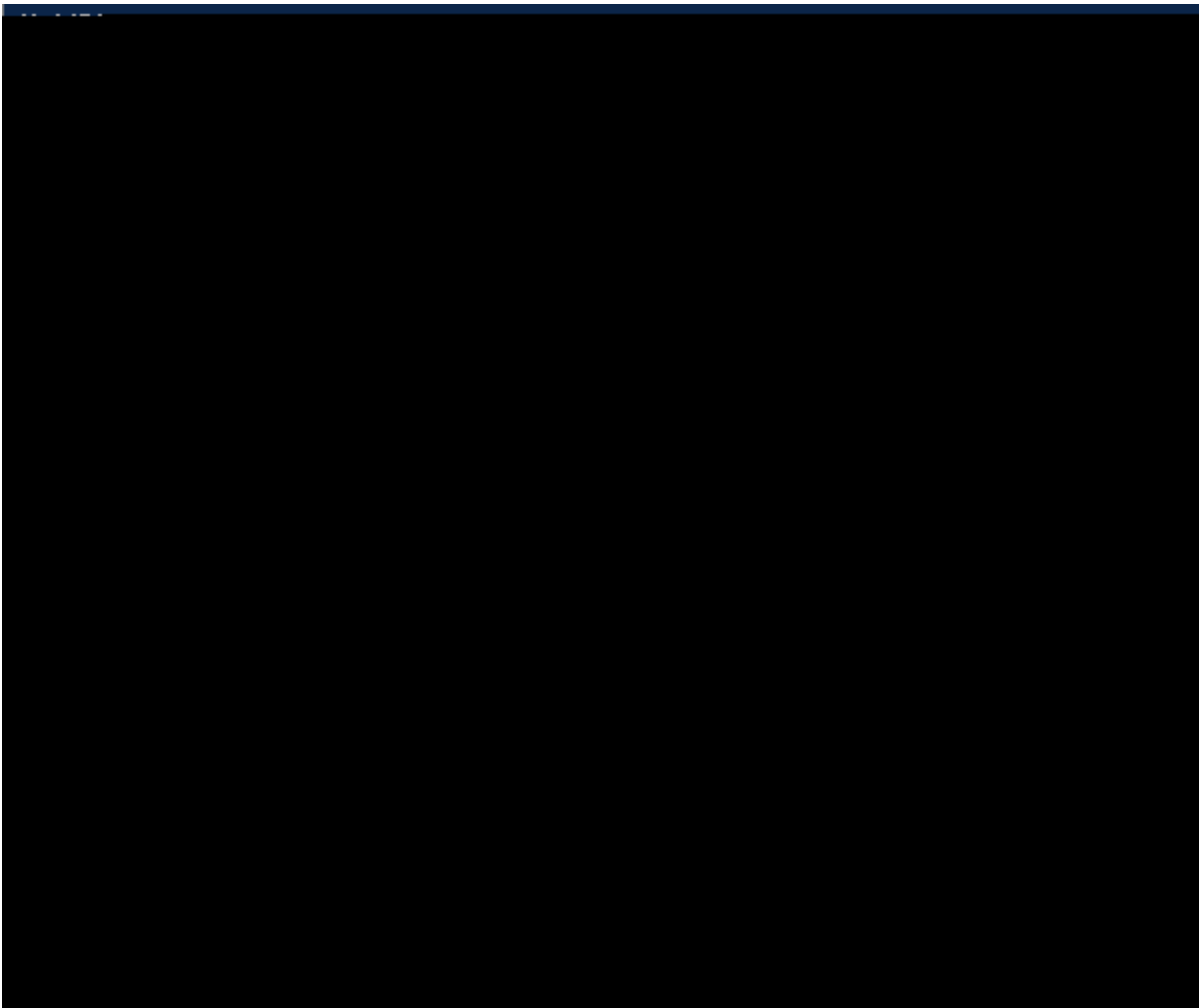
69

ACL I L III

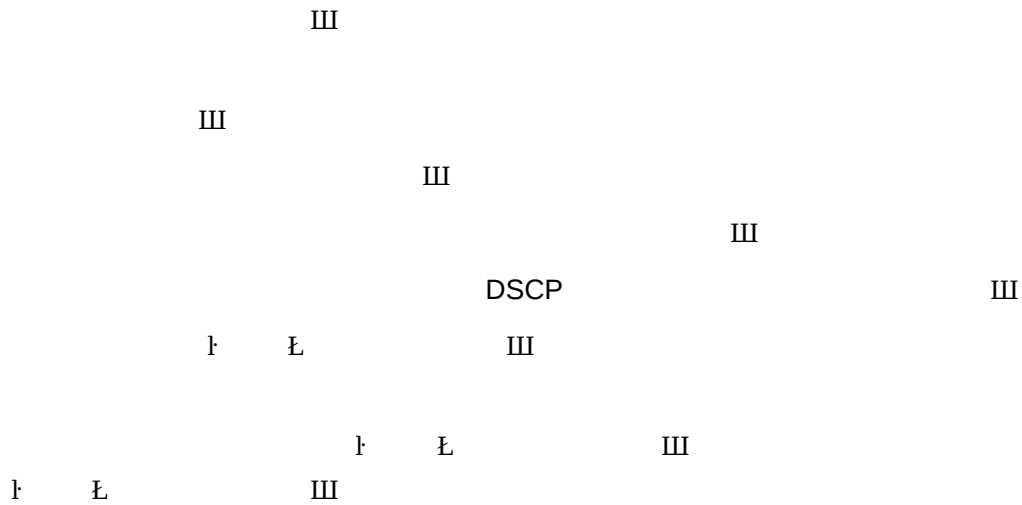
I L III

2.4.2

I L III



70



2.4.3

I L III

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

71

III

III

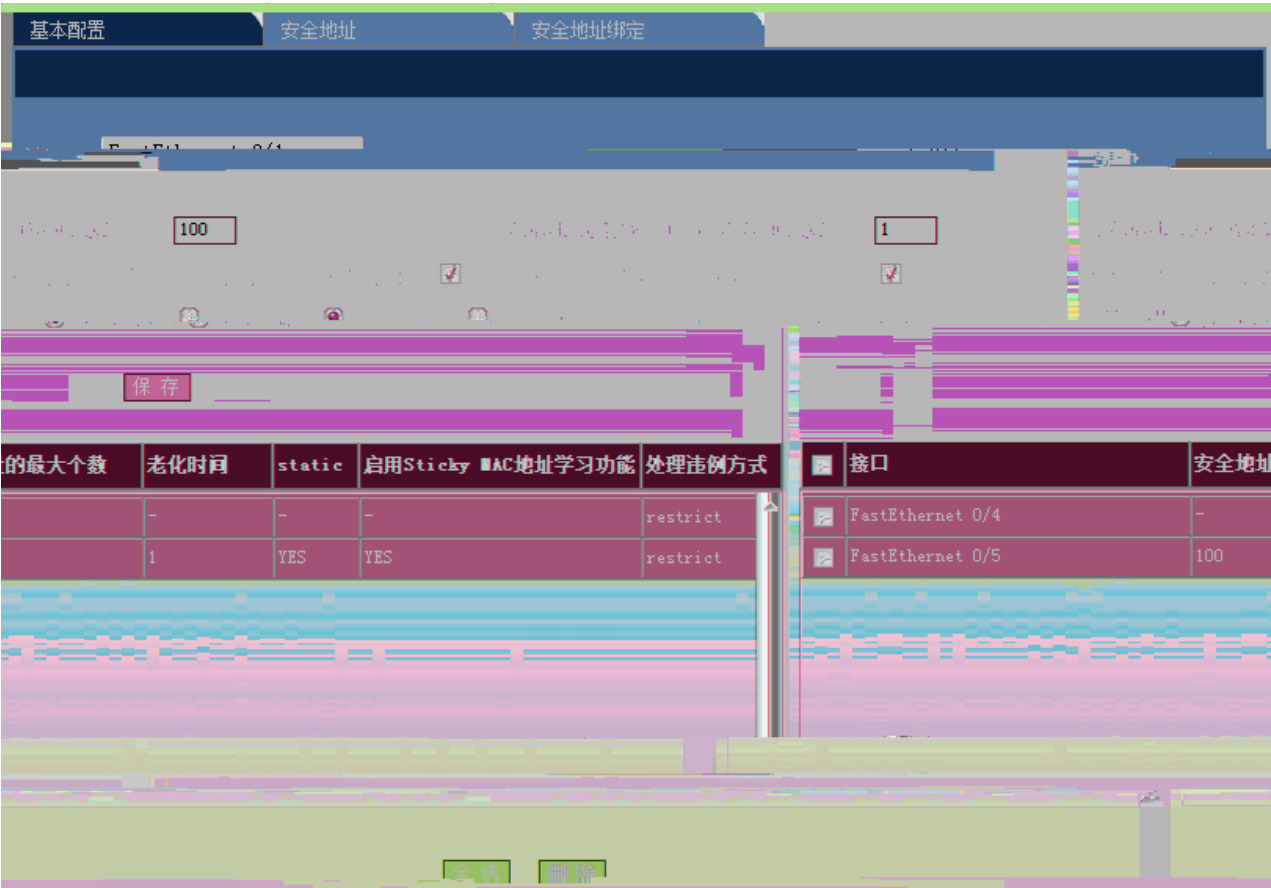
III

I L III
I L III

59

2.4.4

I L III



73

- 1)
- Static Sticky Mac
- III III
- III
- 1 2 III
- 2)

基本配置

安全地址

安全地址绑定

端口：

FastEthernet 0/1

IP地址 (IPv4或IPv6):

1.2.3.3

将MAC及Vlan进行绑定到安全端口：

☒

MAC地址：

1000.0000.0000

Vlan ID：

10

保存

☒	接口	MAC地址	Vlan ID	IP地址
☒	FastEthernet 0/1	1000.0000.0000	10	1.2.3.3

删除

全选

75

Mac

VLAN ID

IP

MAC

Vlan

III

III

2.5

2.5.1

I

L

III

系统信息	
设备型号：	S2924G
主机名：	Ruijie
软件版本：	RGOS 10.2.00(3), Release(30355) (Tue Mar 11 19:23:04 2008 - 23195A44470348C)
硬件版本：	1.0
MAC地址：	001210000000

76

2.5.2

I L III

当前配置

```
Building configuration...
Current configuration : 12931 bytes

!
version RGOS 10.2.00(3), Release(30355) (Tue Mar 11 19:23:04 2008 -
23195A44470348C)
!
!
!
!
vlan 1
 name vlan1
!
vlan 2
!
vlan 3
!
vlan 4
!
vlan 5
!
vlan 6
!
vlan 7
!
```

77

2.5.3

I L III

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

78

2.5.4

I L III

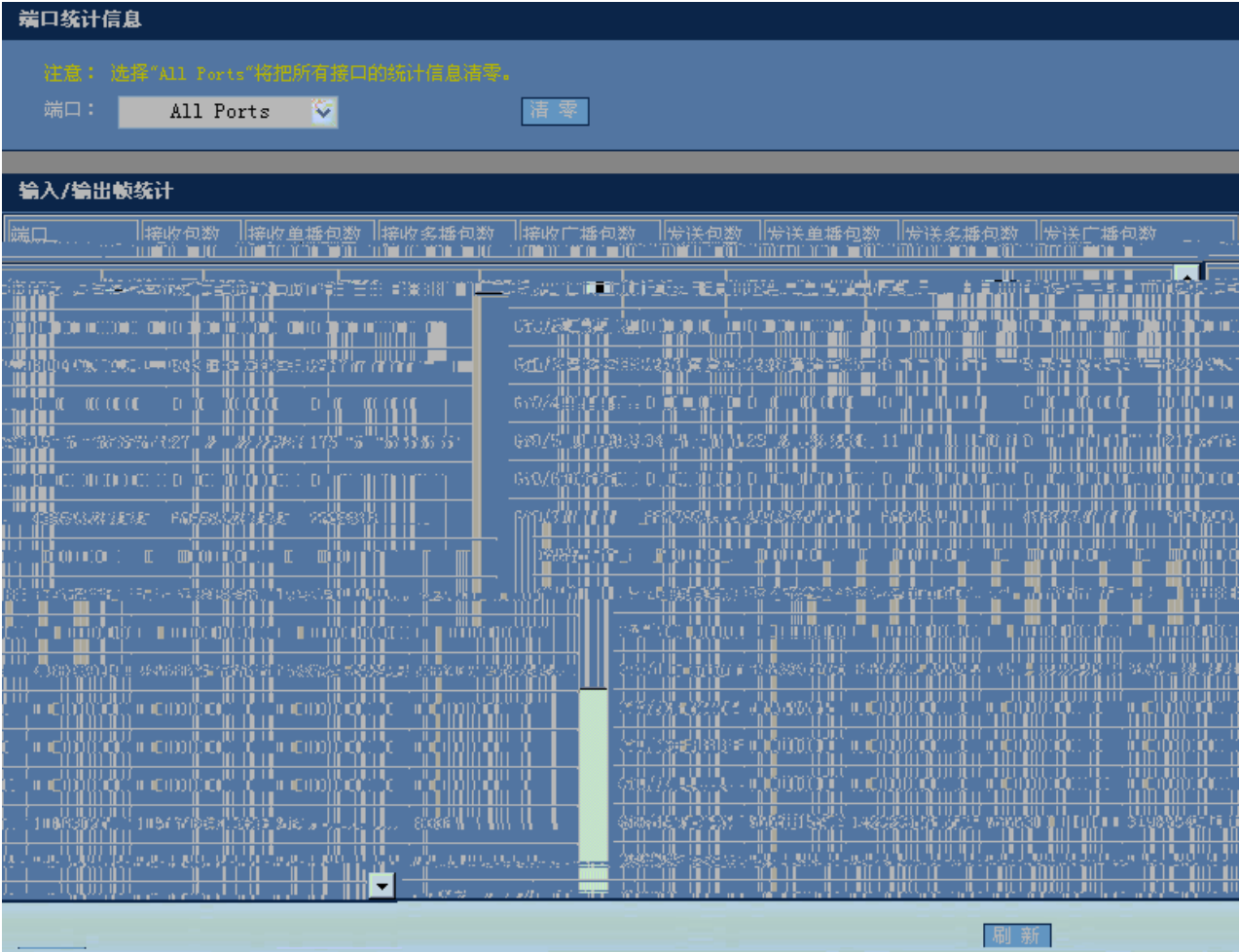
端口运行状态	
端 口	带宽占用
FastEthernet 0/1	0%
FastEthernet 0/2	0%
FastEthernet 0/3	0%
FastEthernet 0/4	0%
FastEthernet 0/5	0%
FastEthernet 0/6	0%
FastEthernet 0/7	0%
FastEthernet 0/8	0%
FastEthernet 0/9	0%
FastEthernet 0/10	0%

刷新

79

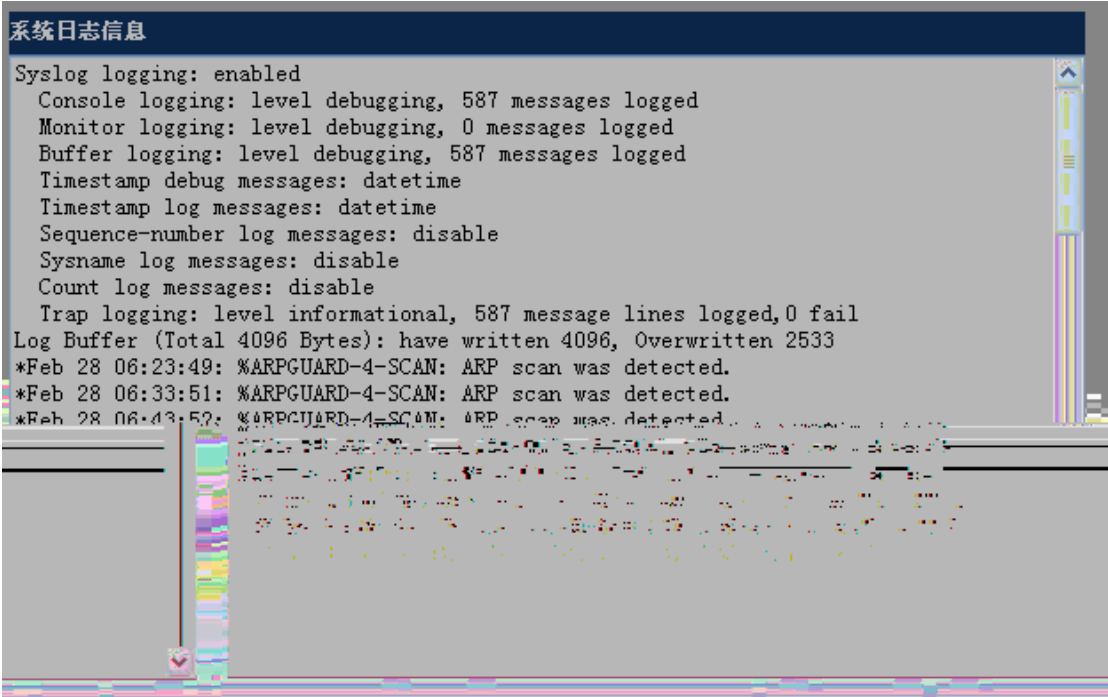
2.5.5

I L III



2.5.6

I L III



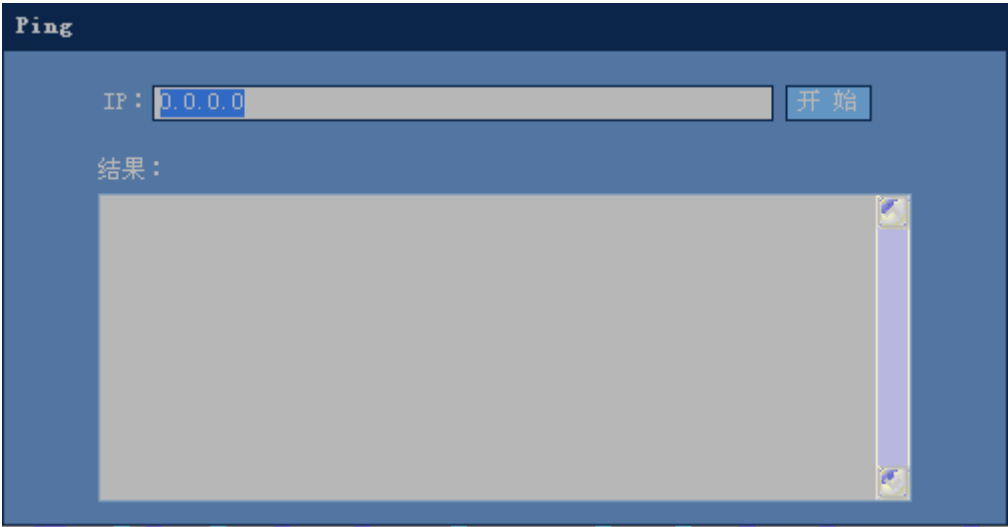
81

2.6

2.6.1 Ping

I: Ping L III

Ping



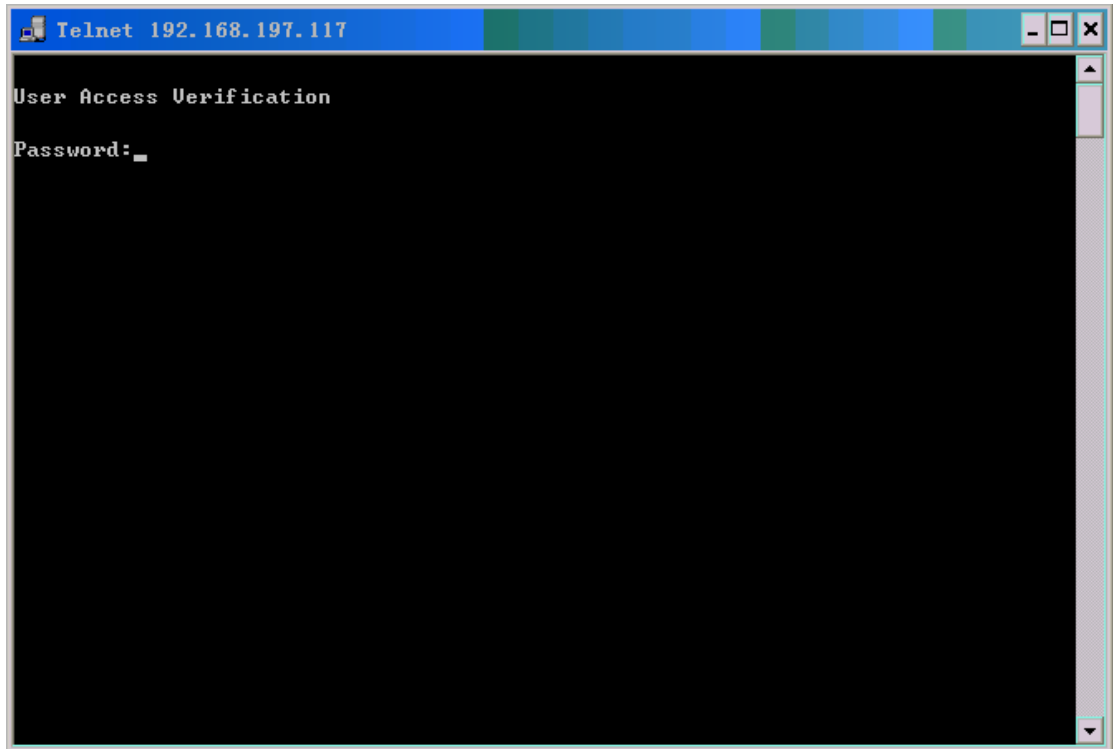
82 Ping

III IP I L IP Ping

2.6.2 Telnet

I Telnet L III

Telnet

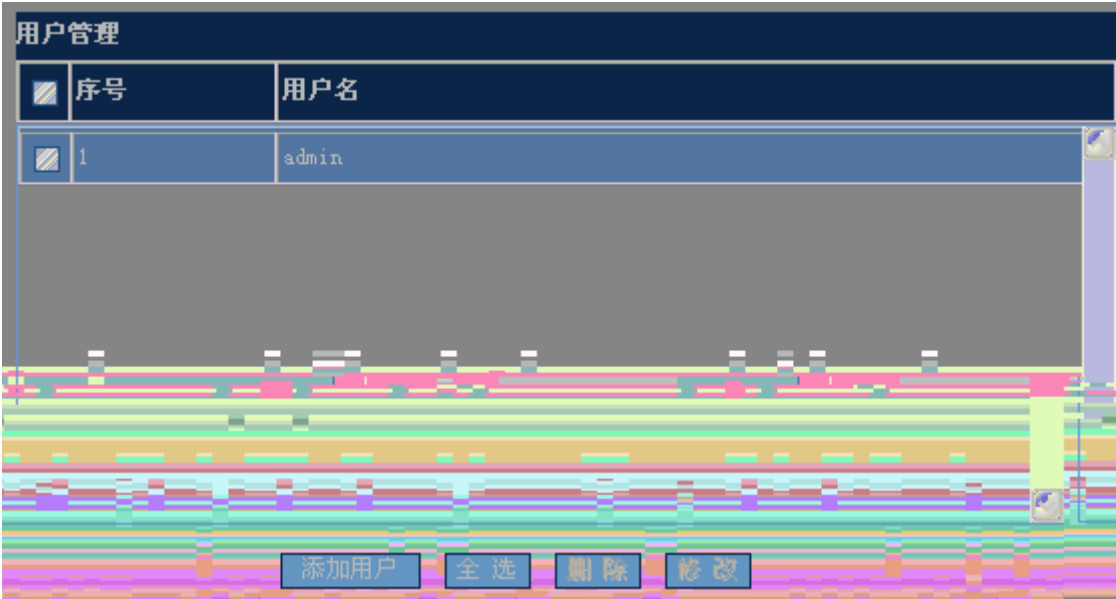


83 Telnet

PC Telnet I Telnet L Telnet III PC Telnet

2.6.3

I L III



84

I L

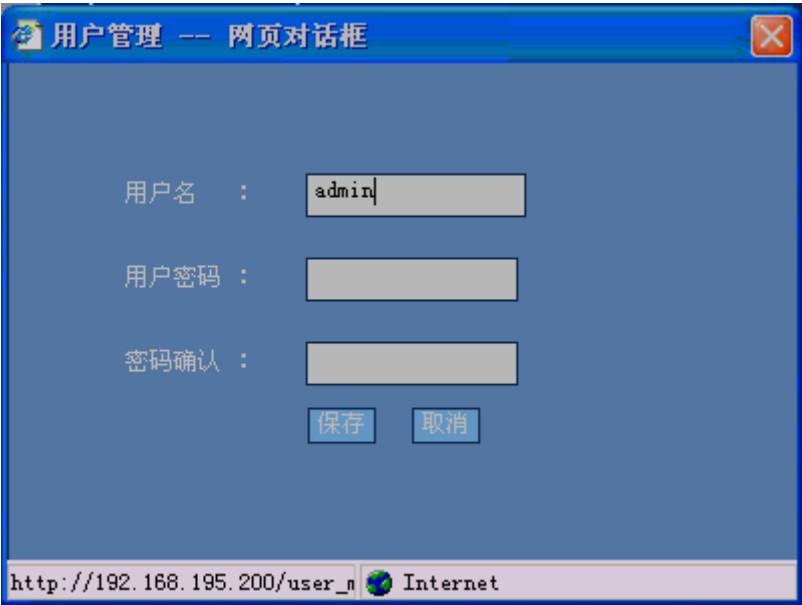


85

I L III

III

I L III III
I L



86

	I	L	III
III			
	V		
	III		

2.6.4

I L III

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

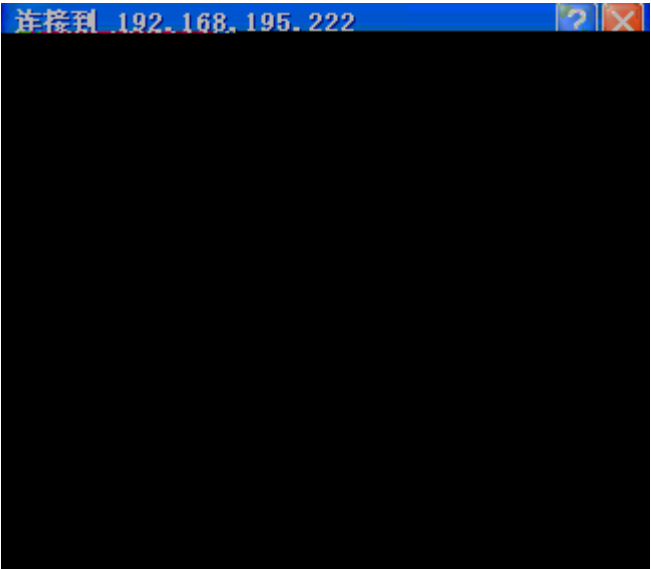
:

确认新口令:

保存

87

- 1) Enable
- Enable
- I
- L
- III

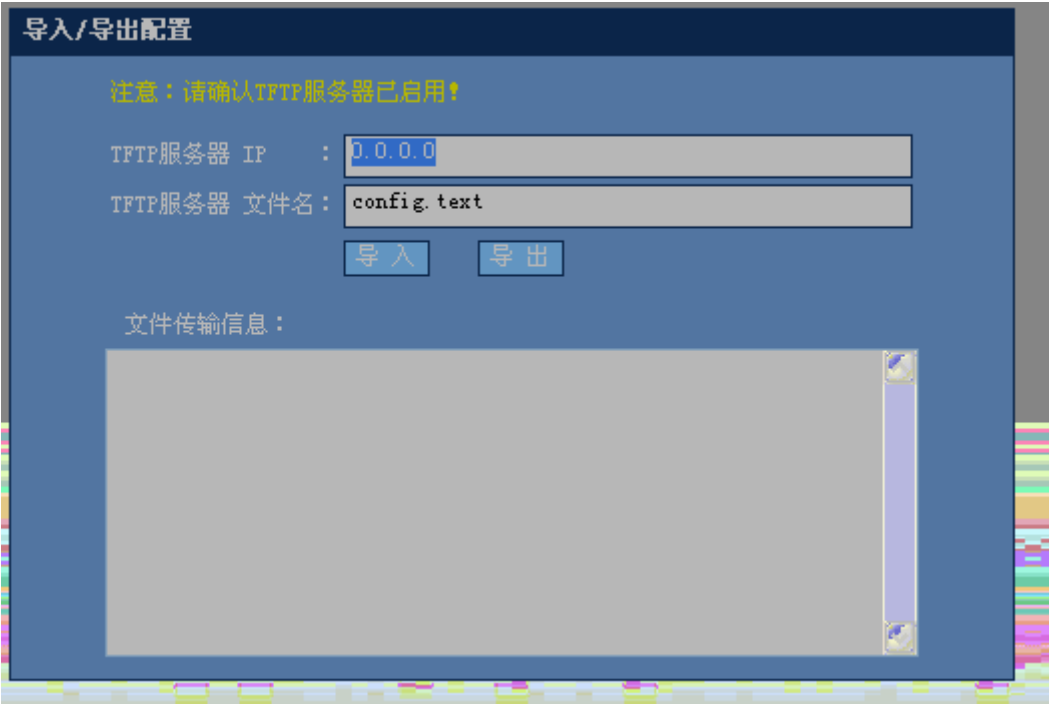


88

- III
- 2) Telnet
- Telnet
- I
- L
- III

2.6.5 /

I / L III
/



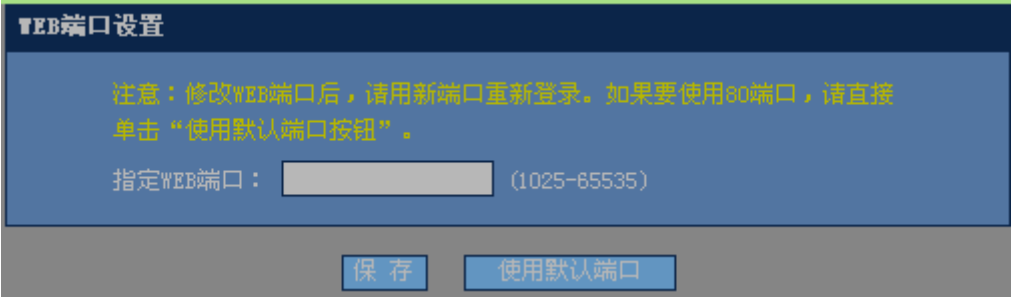
89 /

Q config.text TFTP IP TFTP
I L III

2.6.6 WEB

I WEB L III

WEB



90 WEB

III	8080	IP	192.168.1.1	http://192.168.1.1 :8080
III				: 8 0 8 0

2.8 WEB

2.8.1

2.8.2

2.8.3

WEB	WEB	enable	III
-----	-----	--------	-----

2.8.4

WEB	Local	Enable	
	WEB	III	WEB

1 Local

a. config

Ruijie#configure

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

b. WEB

Ruijie(config)#enable service web-server

c. WEB Local

Ruijie(config)#ip http authentication local

d. 15

Ruijie(config)#username admin password admin

Ruijie(config)#username admin privilege 15

e. IP

Ruijie(config)#interface vlan 1

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

2 Enable

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
```