

> <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 (3b16)

,

,

,

1.

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

2.

```
r  
/
```

3.

>

>

>



-WEB

-
1. WEB

1 WEB

1.1 WEB

WEB IE
WEB WEB WEB WEB IE
WEB WEB

1.2

1.2.1

WEB WEB WEB PC
IPAD
IE6.0 IE7.0 IE8.0 IE maxthon WEB
1024*768 1280*1024 1440*960

1.2.2

WEB
WEB
IP

1.3 WEB

WEB WEB WEB
WEB Enable Enable

1.4 WEB

IP IP WEB
IP http://192.168.1.200,

1-1

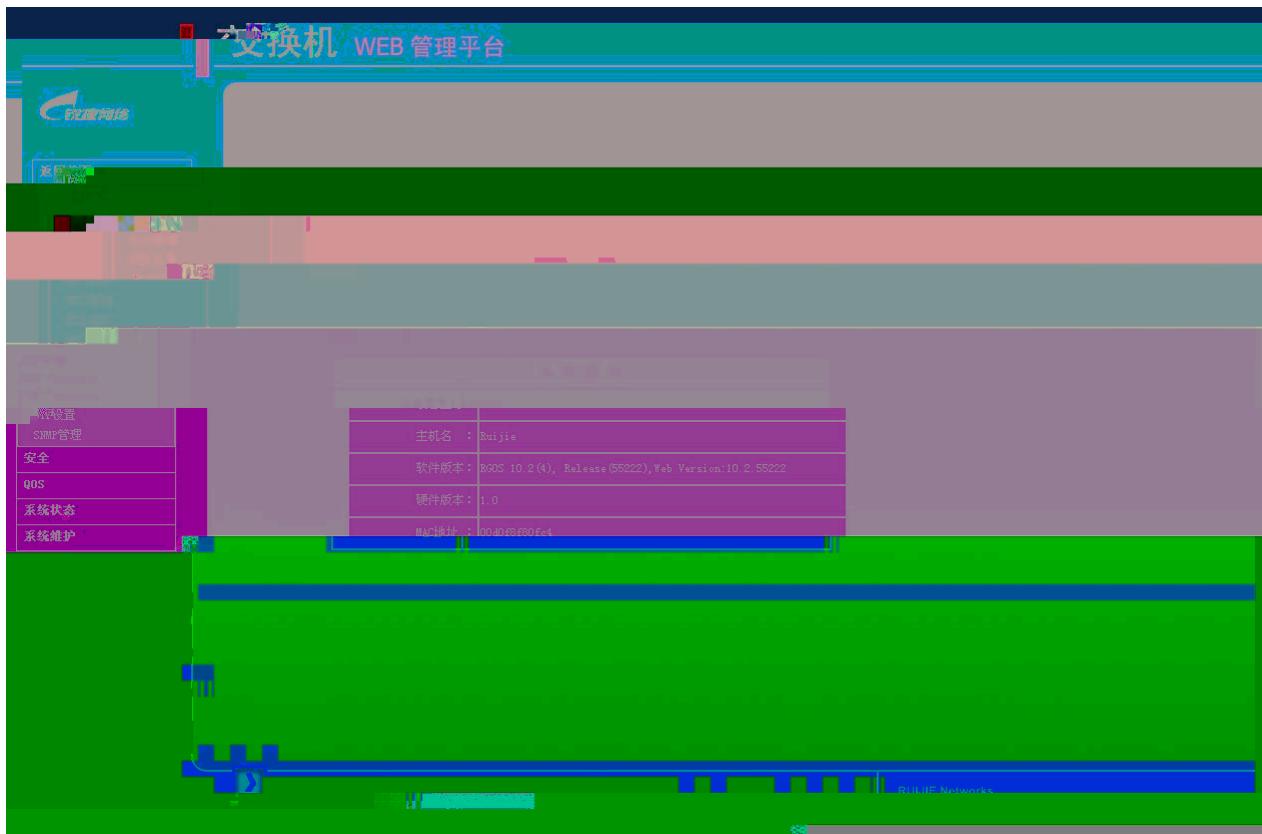


1-2



WEB

1-3 WEB



1.5

1.5.1 IP

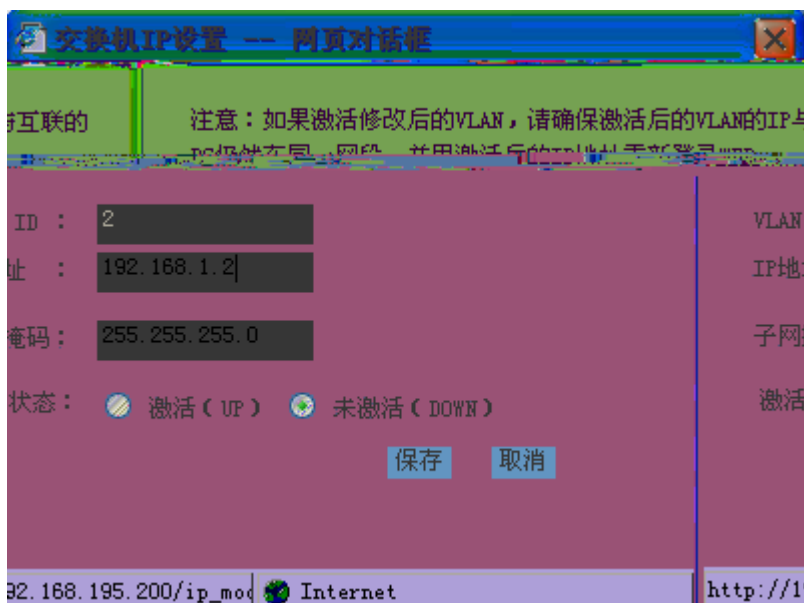
IP

IP

1-4 IP

ip

1-5 IP



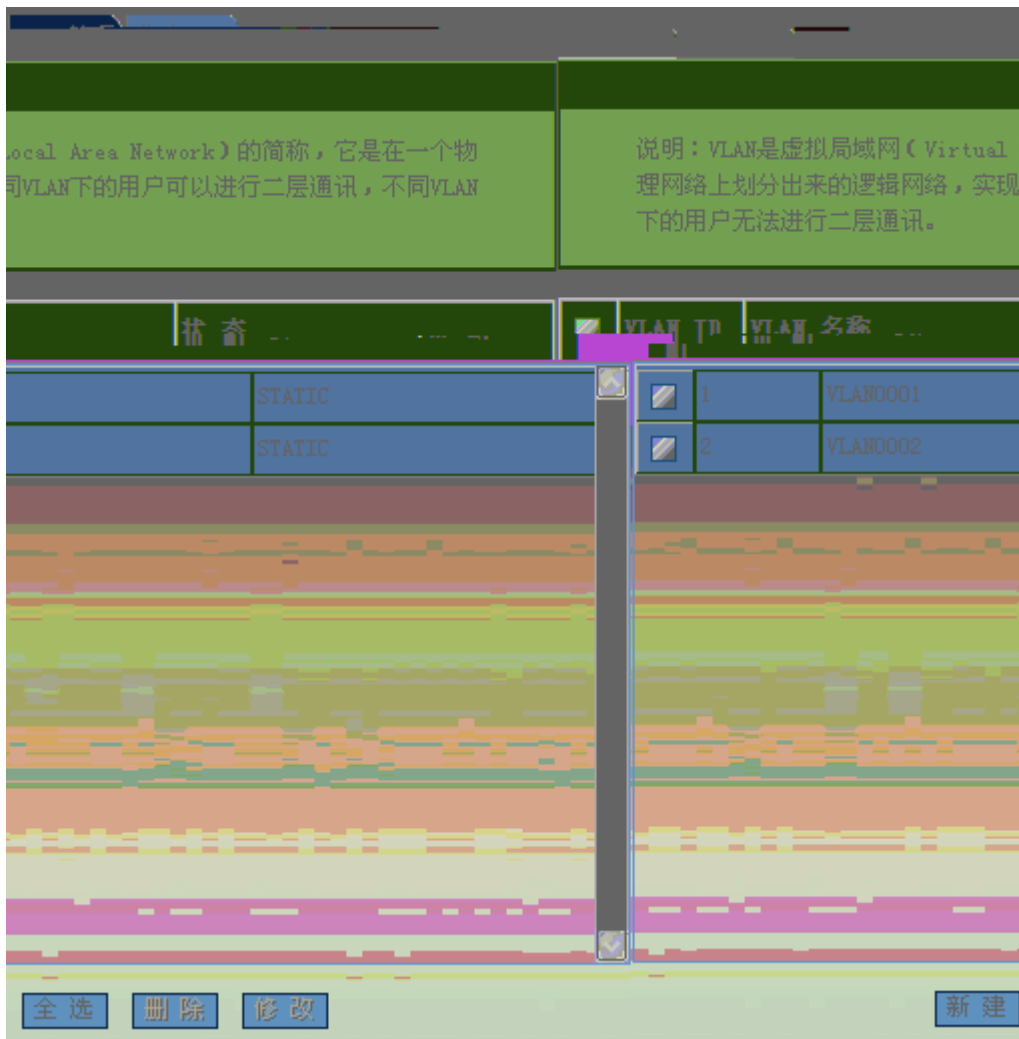
IP

1.5.2 VLAN

VLAN

VLAN

1-6 VLAN



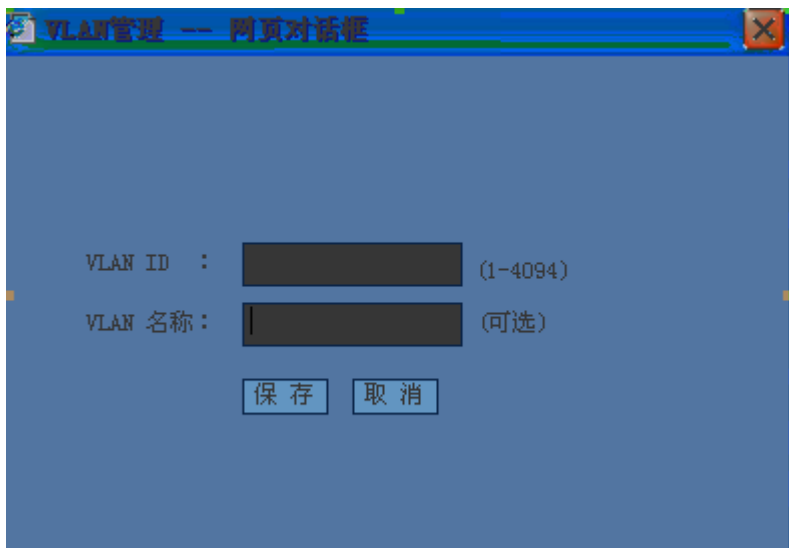
VLAN

VLAN

VLAN

VLAN

1-7 VLAN



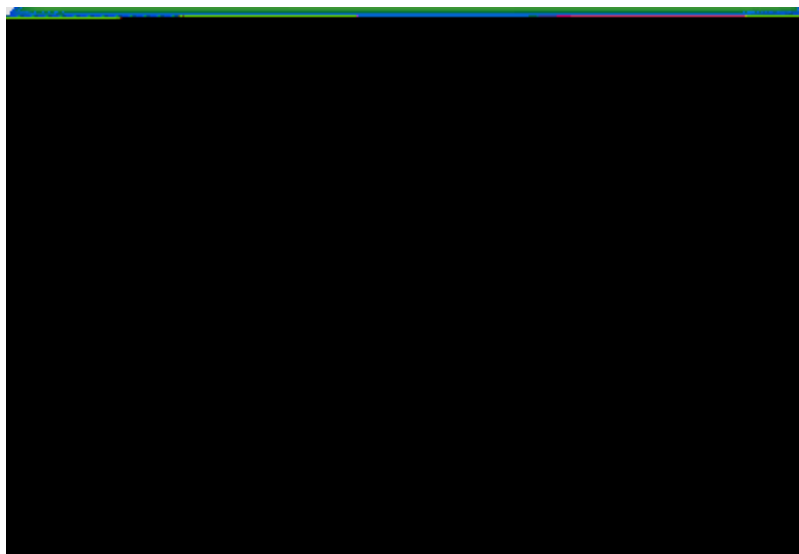
VLAN ID VLAN

VLAN VLAN

VLAN

VLAN

1-8 VLAN



VLAN

VLAN

VLAN

1-9 VLAN

VLAN ID

1.5.3

1-10

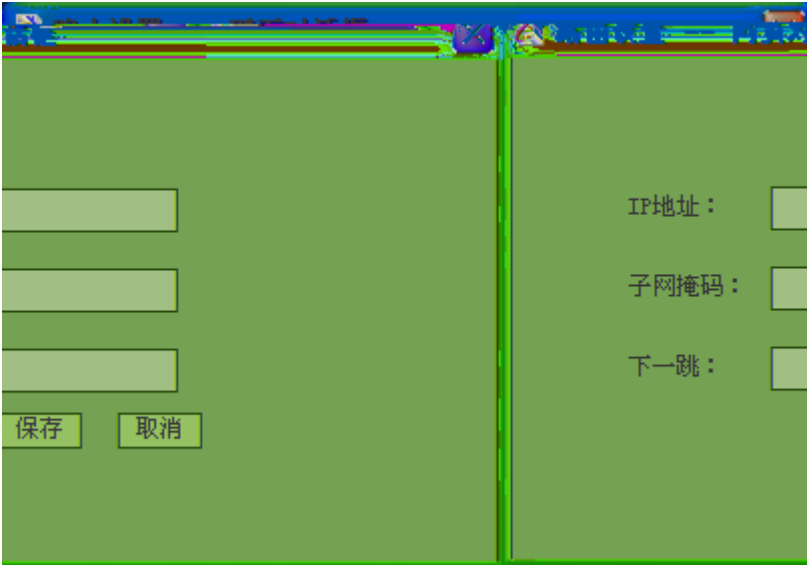
IP

IP

1.5.4

1-11

1-12



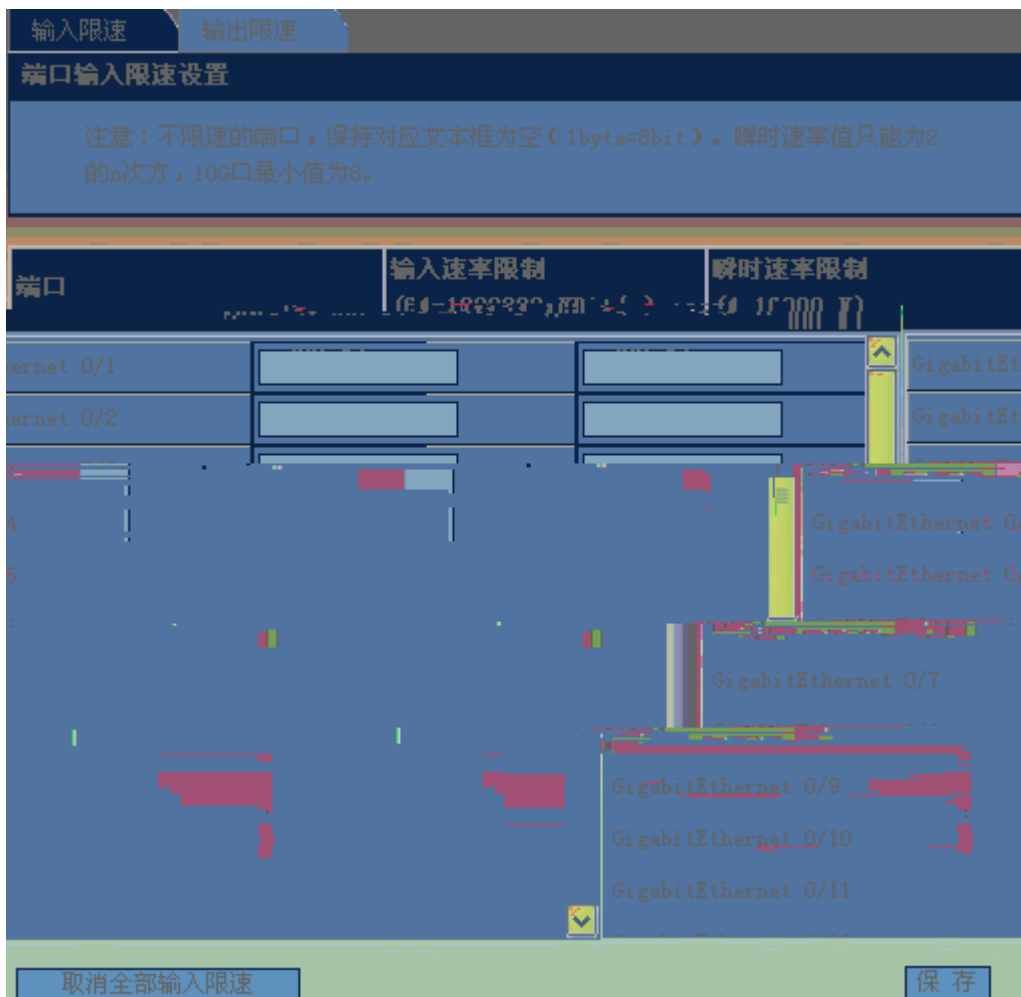
IP

1.5.5

1-13

1.5.6

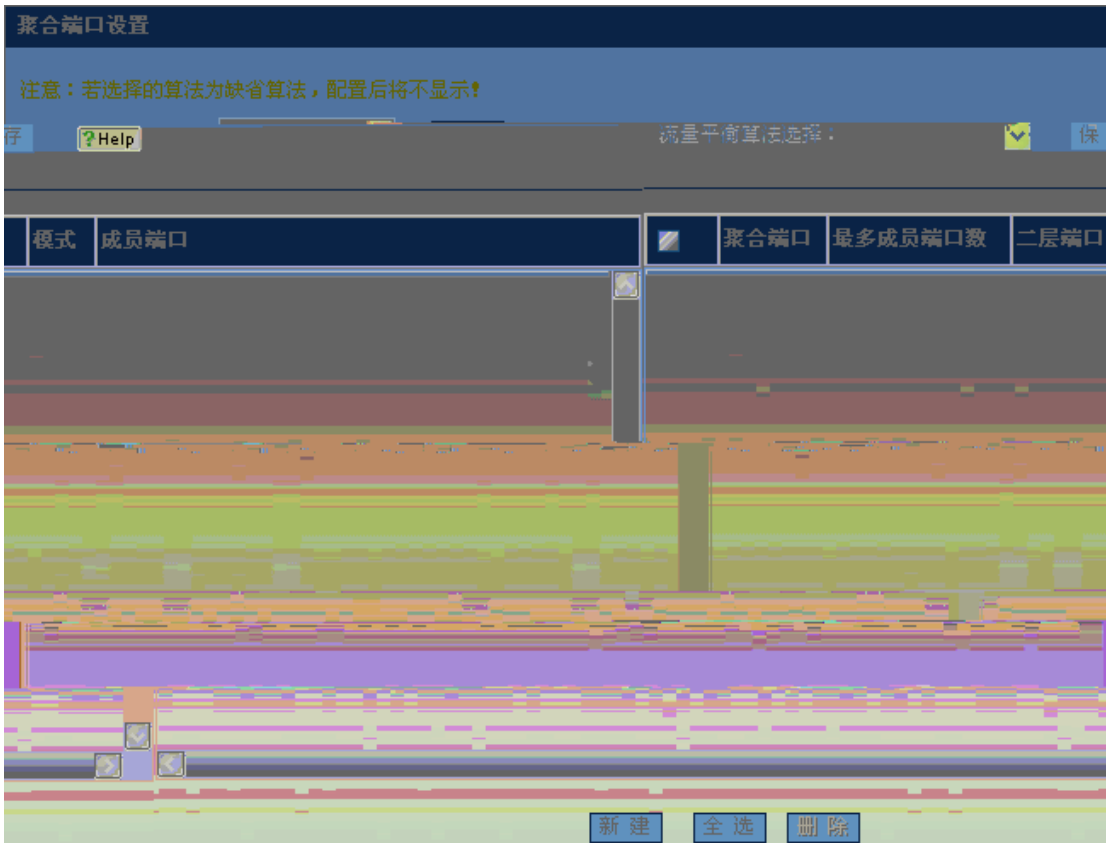
1-14



2 n

1-15





1-17



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：

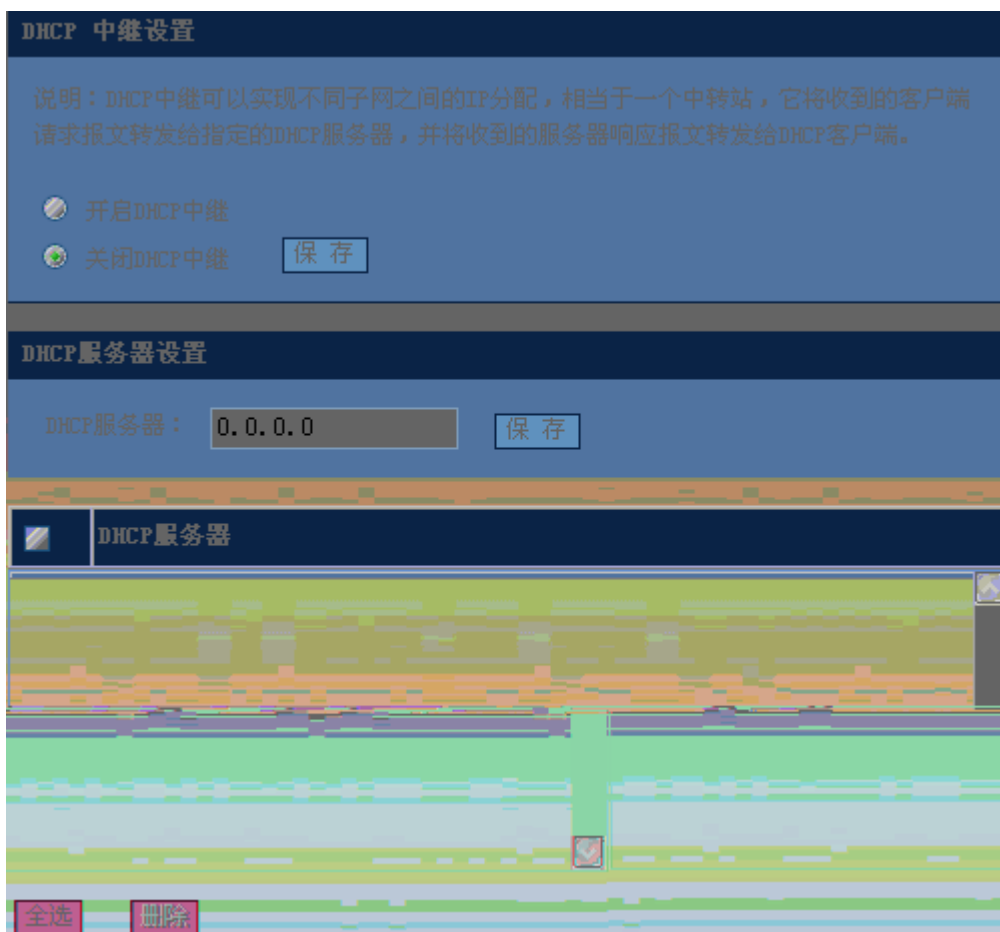
状态： 双工： 速率： 流控：

描述：

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	-

1.5.9 DHCP

DHCP



/ DHCP

/ DHCP

DHCP

DHCP

DHCP

1.5.10 IGMP Snooping

IGMP Snooping

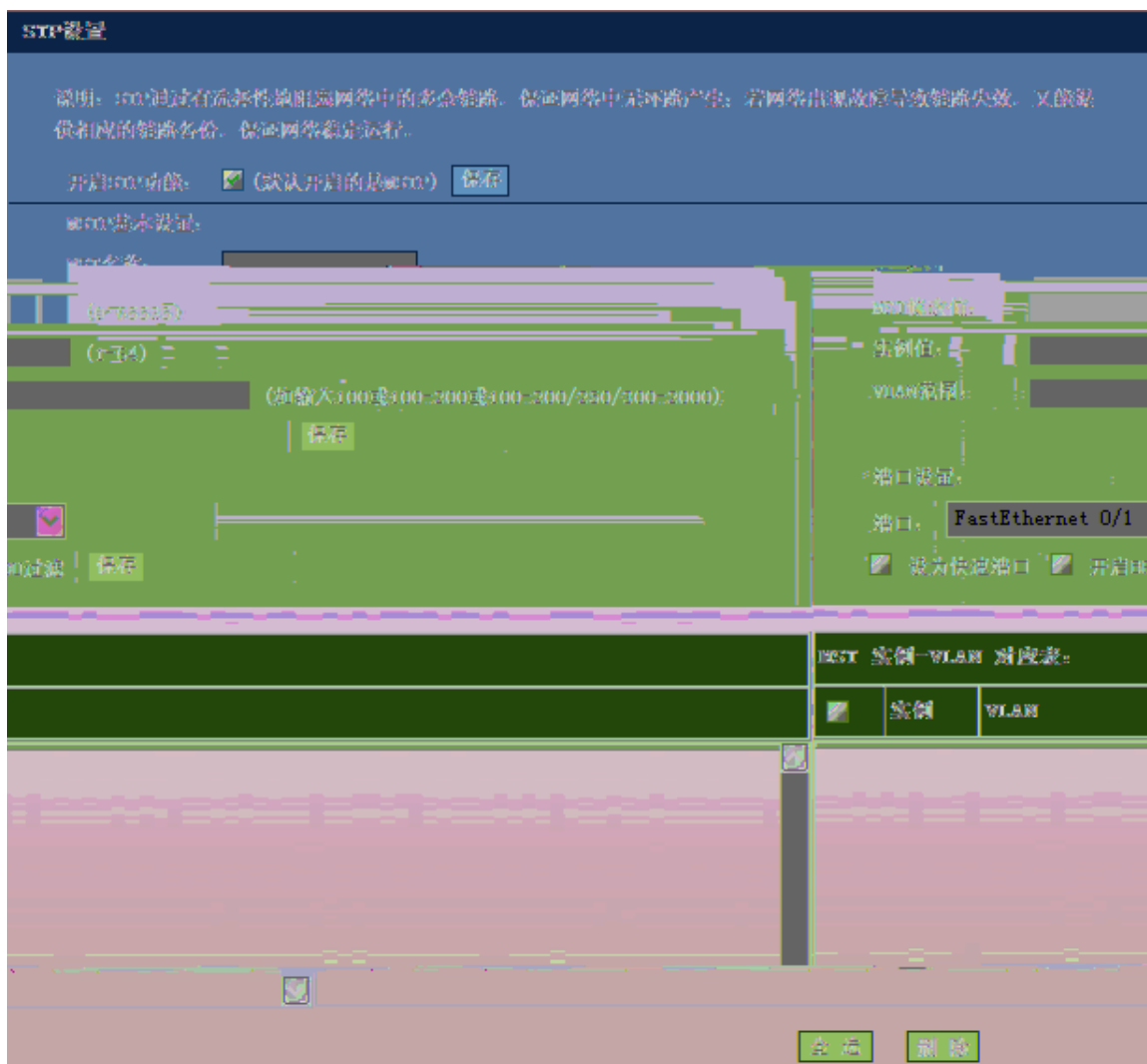
IGMP Snooping

1-20 IGMP Snooping

IGMP Snooping
svgl ivgl-svgl svgl ivgl-svgl IP ivgl
IGMP Snooping

1.5.11 STP

STP
STP
1-21 STP



STP

STP
BPDU

MSTP

MSTP

MSTP MSTP
 -VLAN

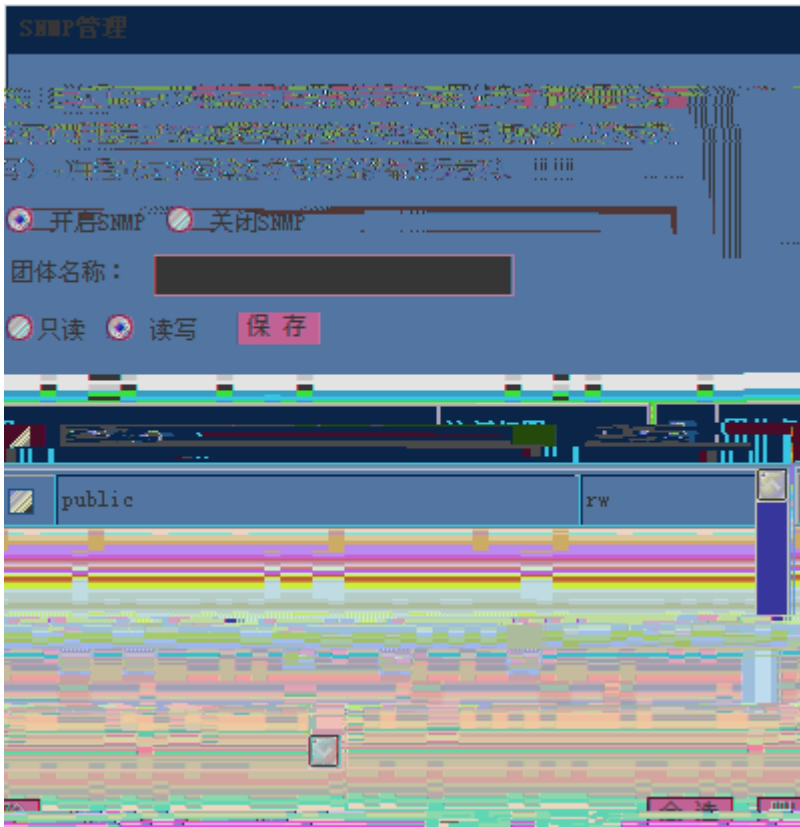
VLAN -VLAN

1.5.12 SNMP

SNMP

SNMP

1-22 SNMP



SNMP

SNMP



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

ARP

ARP

ARP

ARP

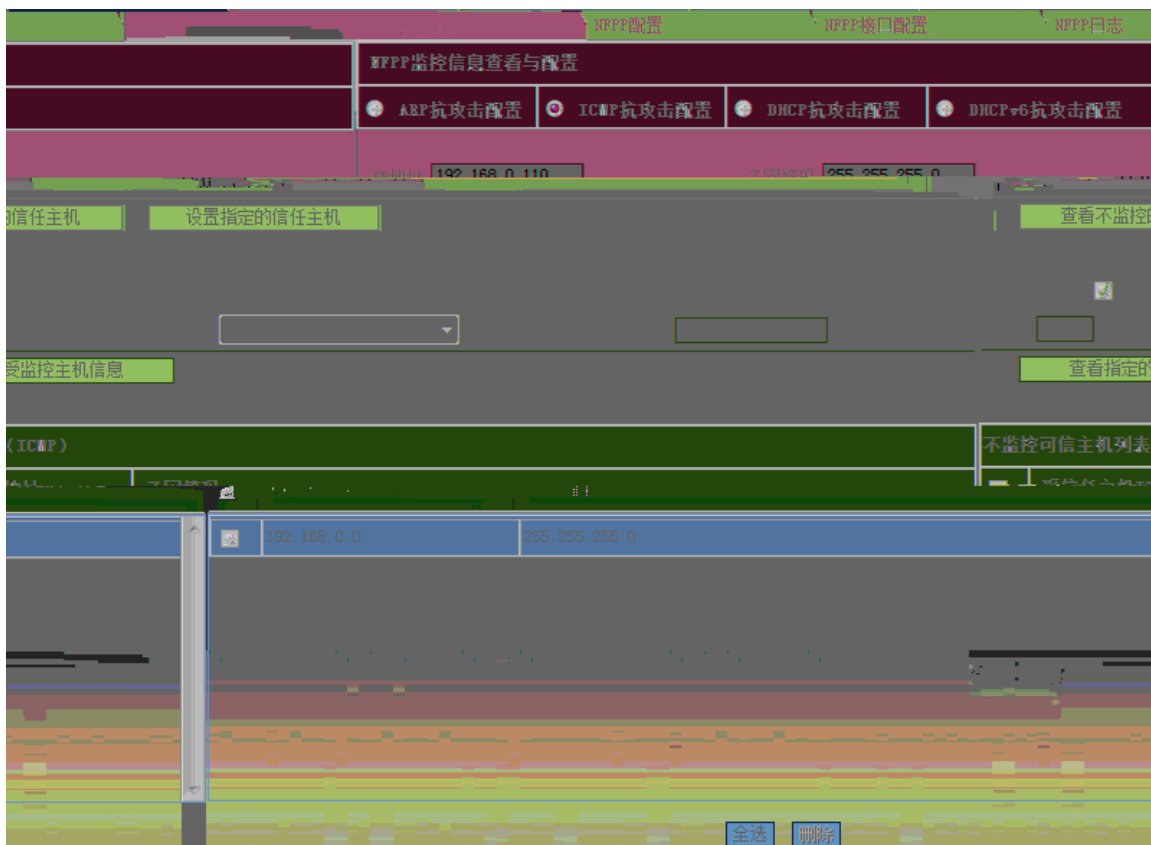
ARP

ARP

2) ICMP

1-25 NFPP

ICMP



ICMP

IP

3) DHCP

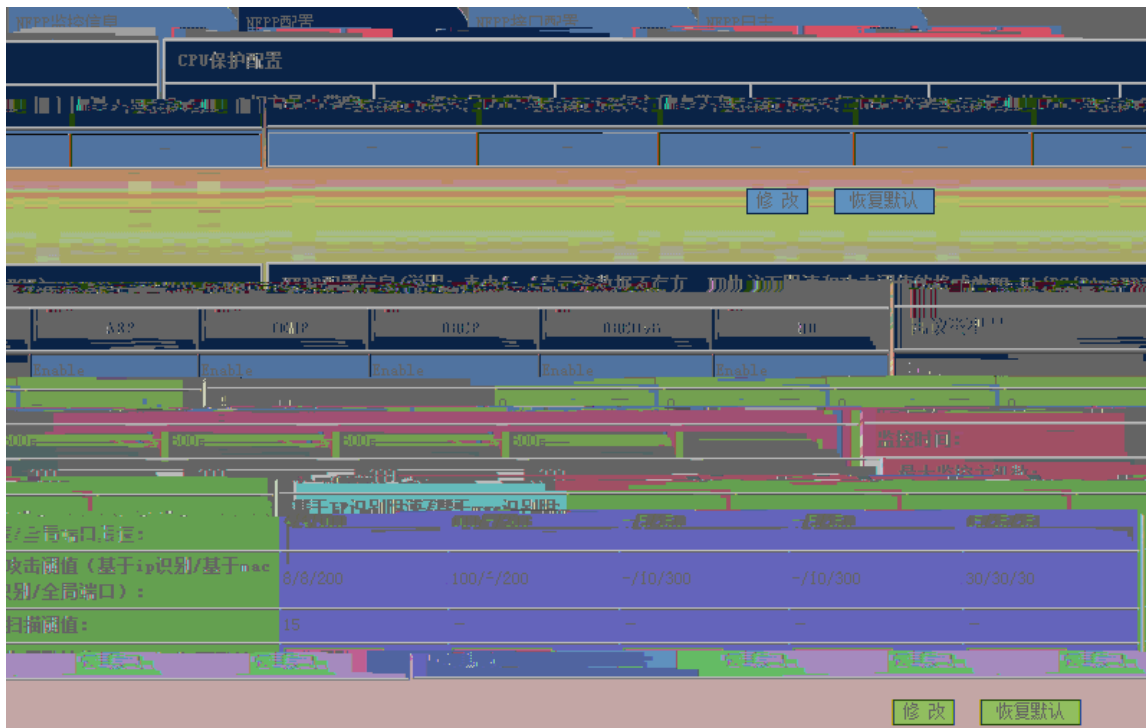
1-26 NFPP

DHCP

DHCPv6

NFPP

1-28 NFPP



1) CPU

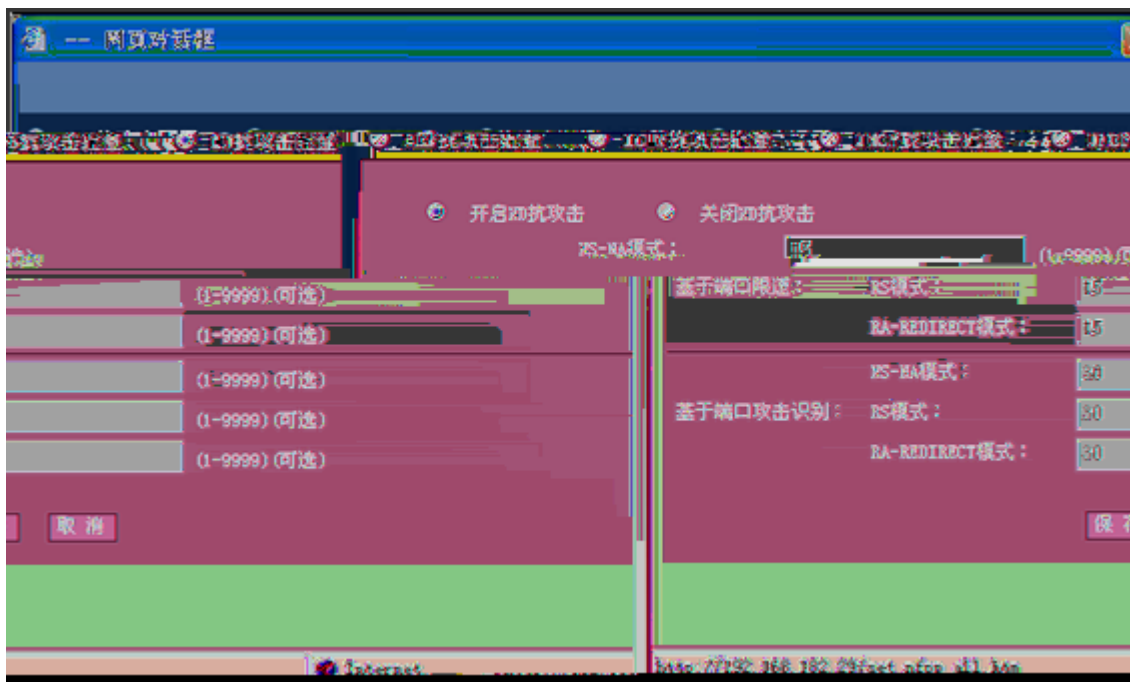
1-29 CPU



CPU

2) NFPP

1-30 NFPP



NFPP

NFPP

NFPP

NFPP

1) ARP

1-31 NFPP

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 DDOS攻击配置 **ARP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/vi d/端口识别主机

(可选): 限速值: 789 (1-9999) 攻击阈值: 789 (1-9999) 基于mac/vi d/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

(0/30-88400) (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 checked="" type="checkbox"/>	接口	ARP抗攻击
	123	123/789/123	123/789/456	123	<input checked="" type="checkbox"/>	Ea0/1	Enable

全选 删除

ARP NFPP

2) ICMP

1-32 NFPP NFPP ICMP

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

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

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

永久隔离
 隔离时间: Permanent (0/30-86400) (可选)

保存

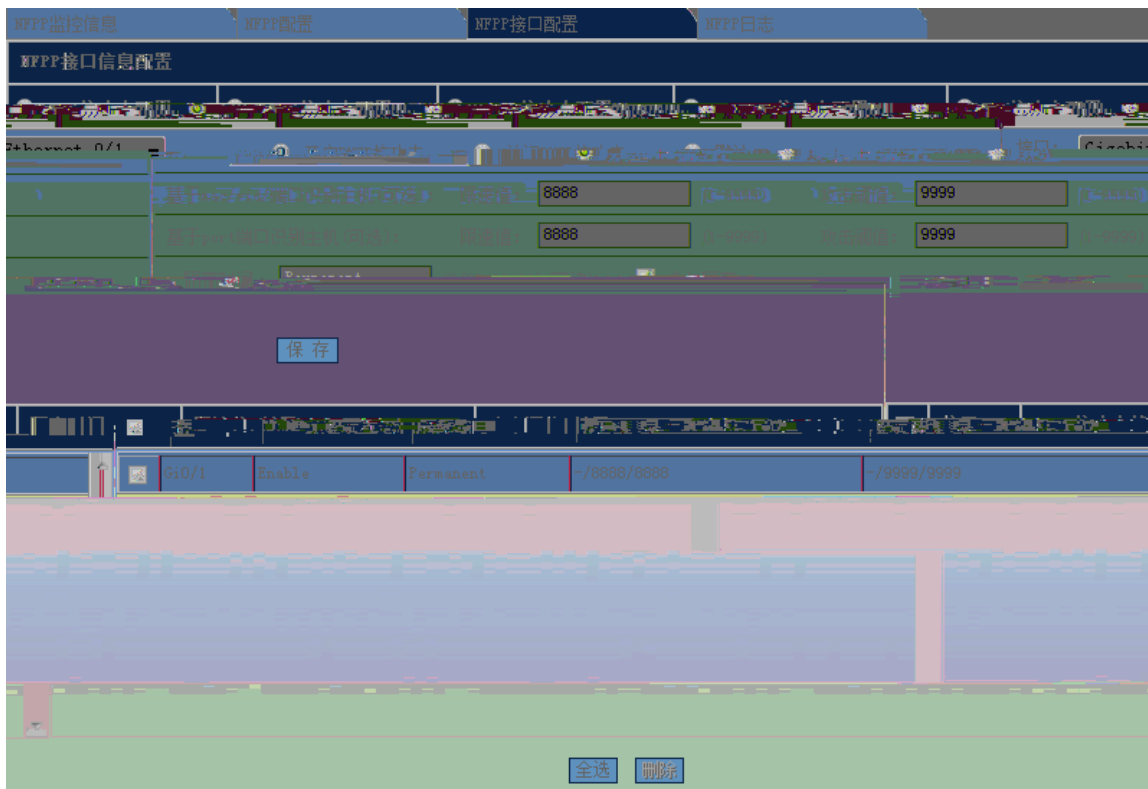
限速值 (基于IP/MAC/PORT)	攻击阈值 (基于IP/MAC/PORT)	接口	ICMP 抗攻击状态	隔离时间
1112/-/1322	1222/-/2222	Fa0/1	Enable	Permanent

全选 删除

ICMP NFPP

3) DHCP

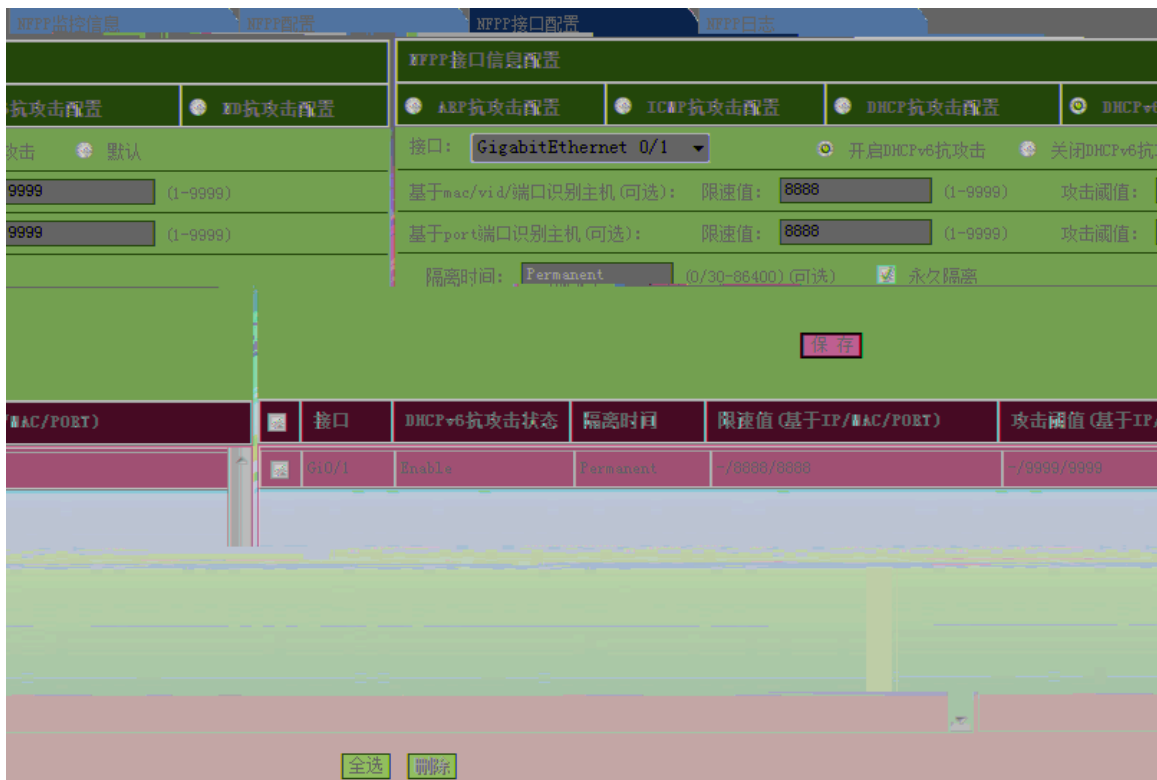
c74c1 NFPPyDHCP



DHCP NFPP

4) DHCPv6

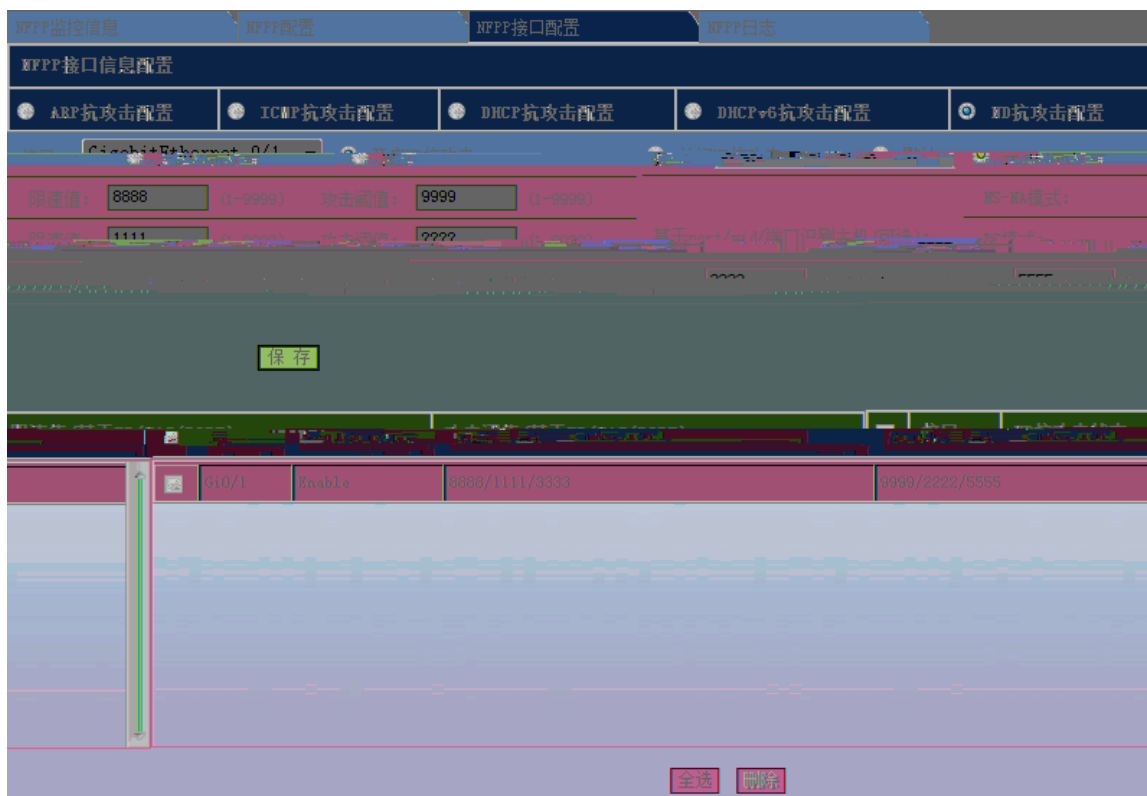
1-34 NFPP NFPP DHCPv6



DHCPv6 NFPF

5) ND

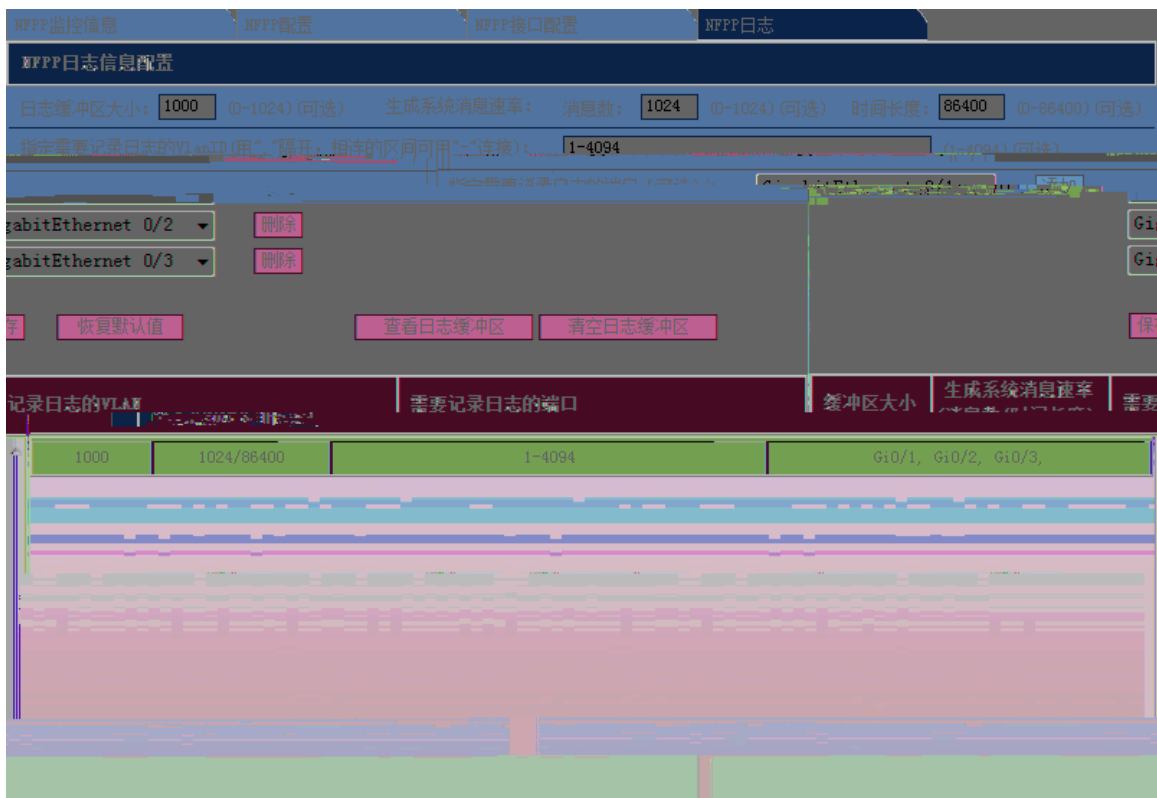
1-35 NFPF NFPF ND



ND NFPP

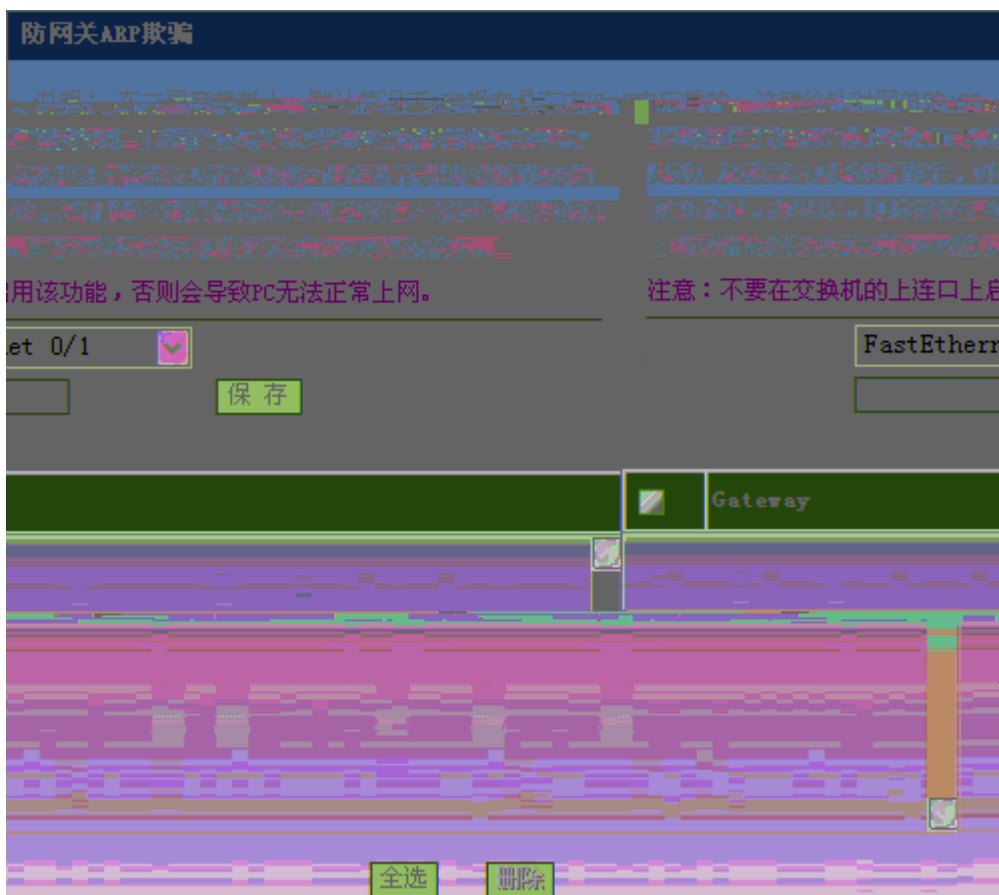
NFPP

1-36 NFPP



NFPP

1-37

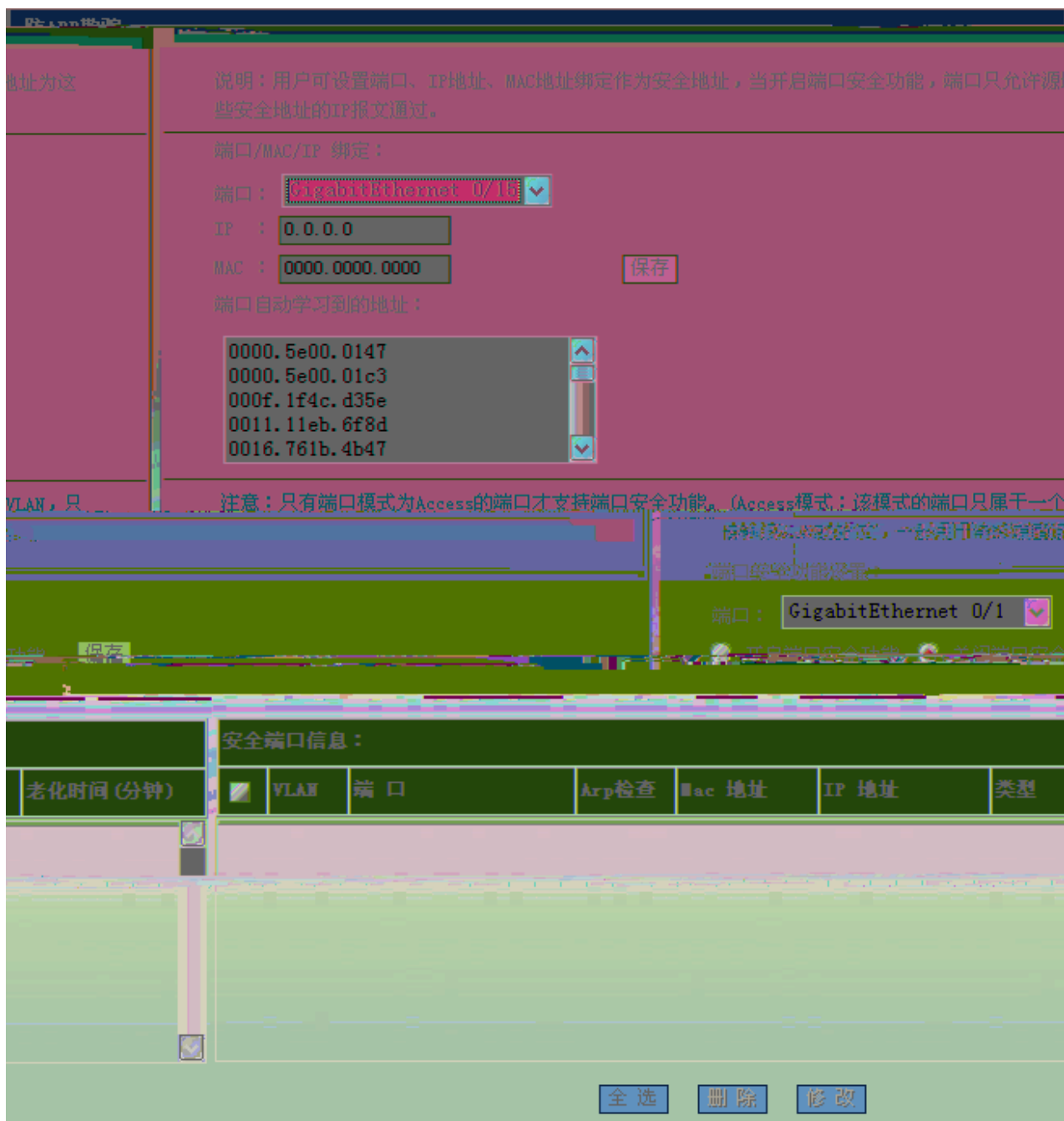


1.6.2 ARP

ARP

ARP

1-39 ARP

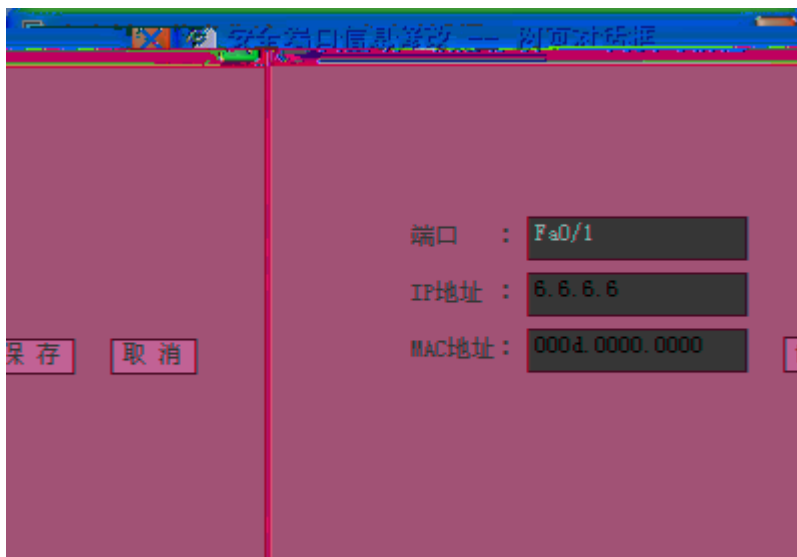


/MAC/IP

/MAC/IP
MAC

IP MAC

1-40



1.6.3 APR

ARP

ARP

1-41 ARP

ARP

ARP

1.6.4 ACL

ACL

ACL

1-42 ACL

ID

IP

IP

,

IP

IP

IP

IP

1-44

IP

ID

TCP UDP IP ICMP

IP

IP

IP

IP

IP

IP

ACL

1-45 ACL



ACL

ACL

a

PC

ACL

PC

WEB

1.6.5 IP Source Guard

IP Source Guard

IP Source Guard IP [VLAN MAC IP PORT]

IP Source Guard DHCP Snooping DHCP Snooping IP
 IP Source Guard DHCP IP
 IP

IP Source Guard DHCP Snooping DHCP
 Snooping

IP Source Guard

IP Source Guard

1-46 IP Source Guard



IP Source Guard

IP+MAC

IP+MAC

()

IP

MAC

MAC

VLAN

VLAN ID

IP IP

1-47



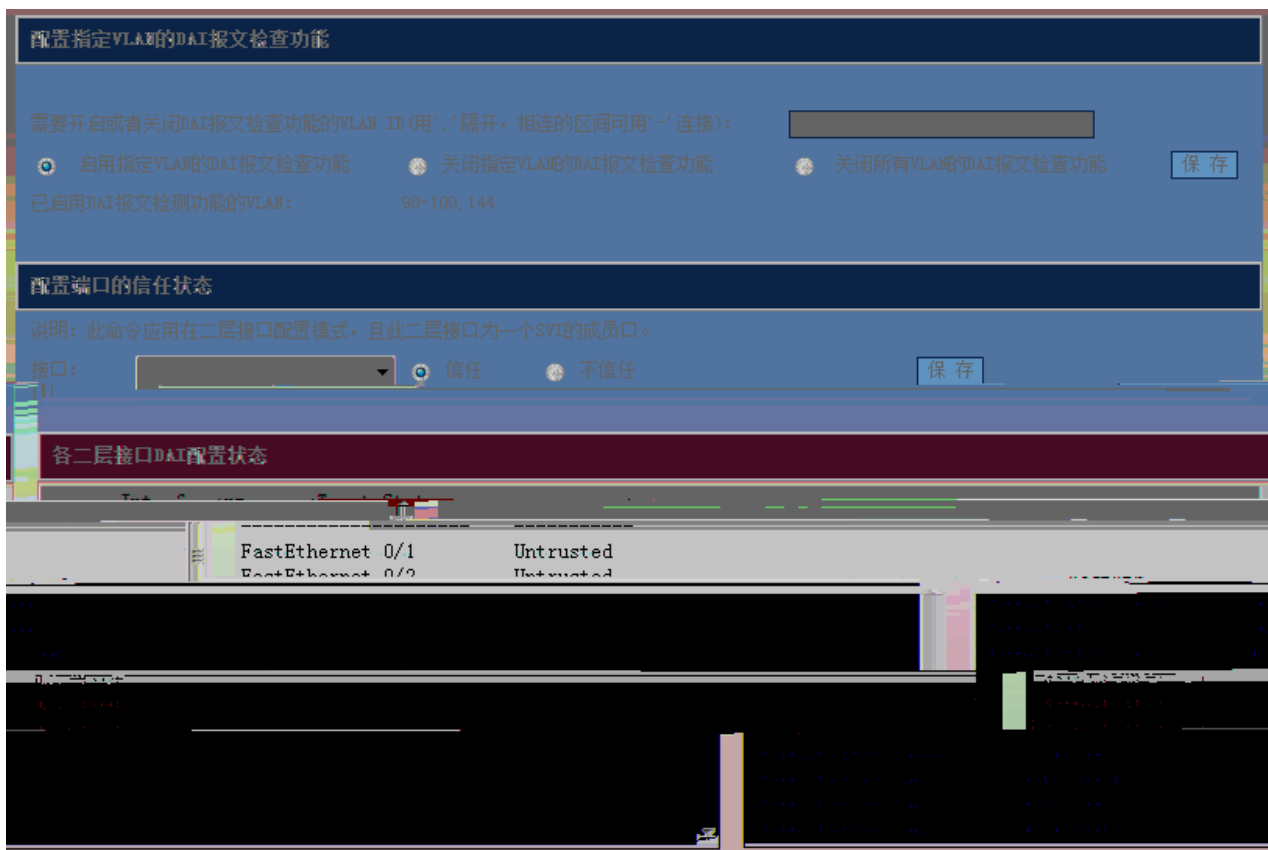
1.6.6 DAI

DAI Dynamic ARP Inspection ARP ARP arp

DAI

DAI

1-48 DAI



VLAN DAI

VLAN DAI

VLAN 100 DAI vlan-id 100 ARP DAI

DAI VLAN ID VLAN

VLAN DAI VLAN DAI

DAI VLAN

ARP ARP DAI

ARP ARP DAI

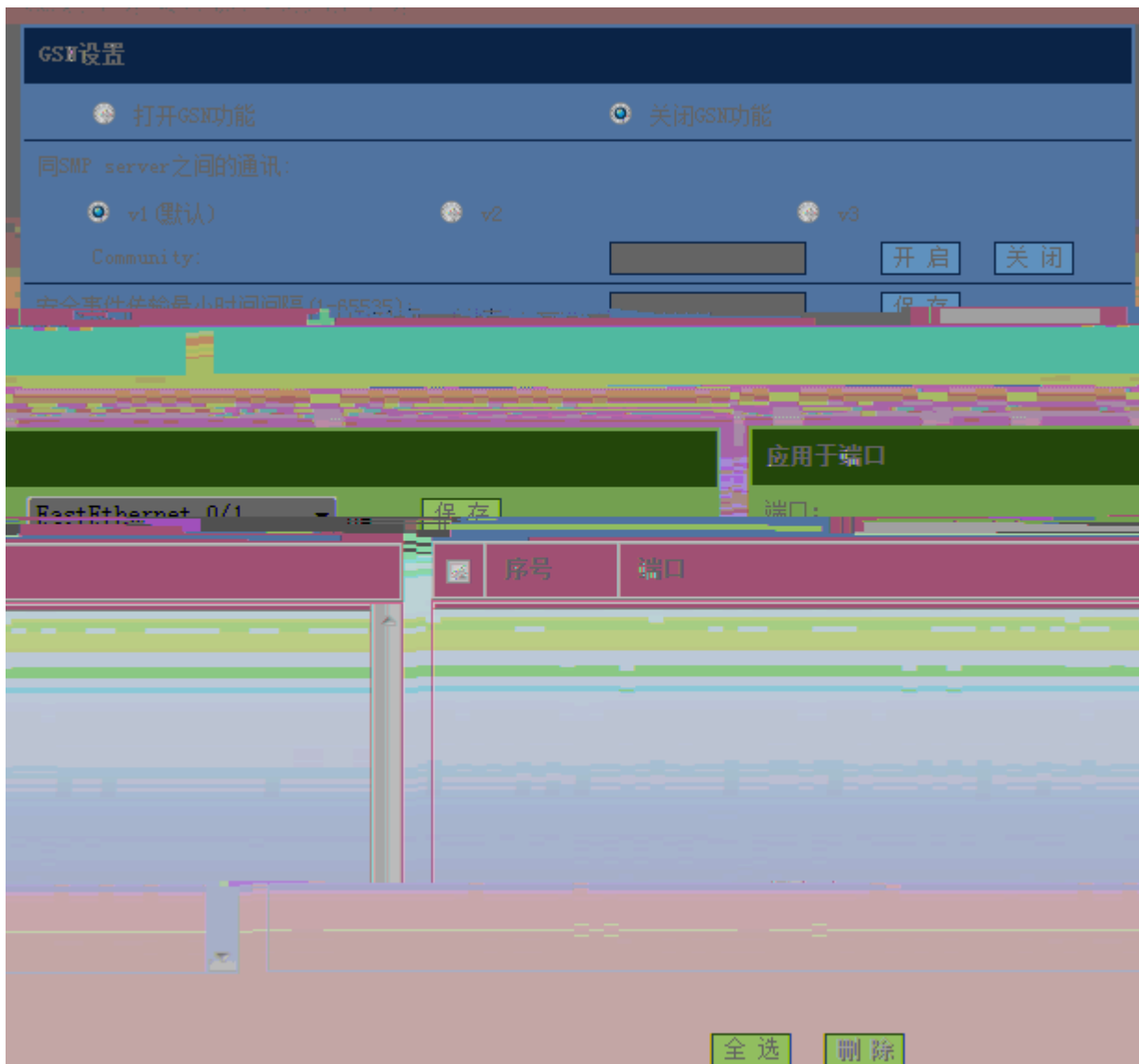
DAI

1.6.7 GSN

GSN

GSN

1-49 GSN



GSN

GSN

GSN

GSN

GSN

SMP server

SMP server

v1

v2 v3

Community

User

1-52

各类型报文的带宽和优先级配置状态

报 文 类 型	带 宽	优 先 级
ip-guard	150	7
...	150	7
...	2000	4
...	150	7
...	150	7
...	150	4
tunnel-prot	150	8
ipsec-icmp-losel	1500	8
...	150	4
...	150	8
...	150	8

/ /

/ /

1-53

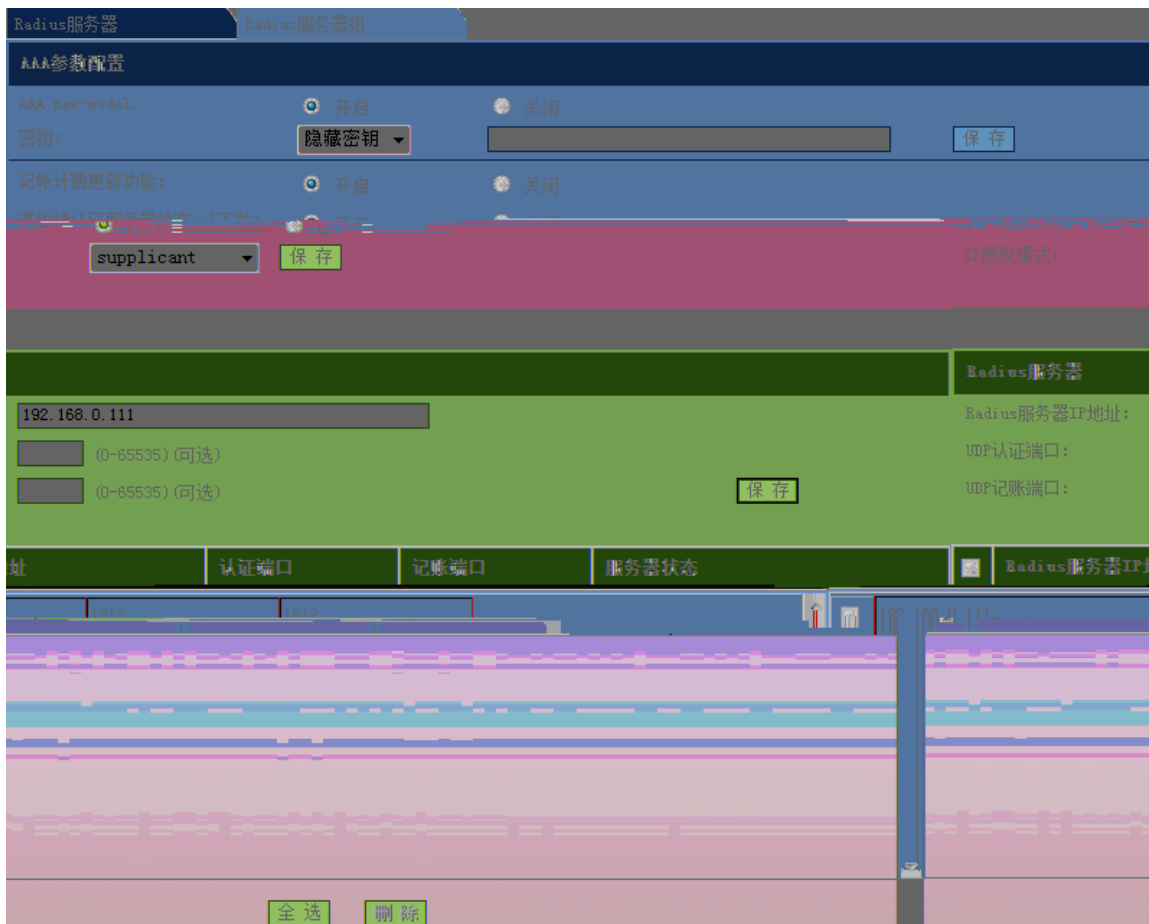
/ /

1.6.9 RADIUS

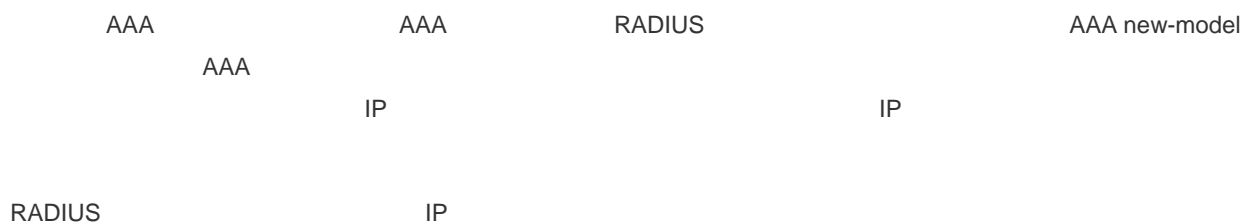
RADIUS

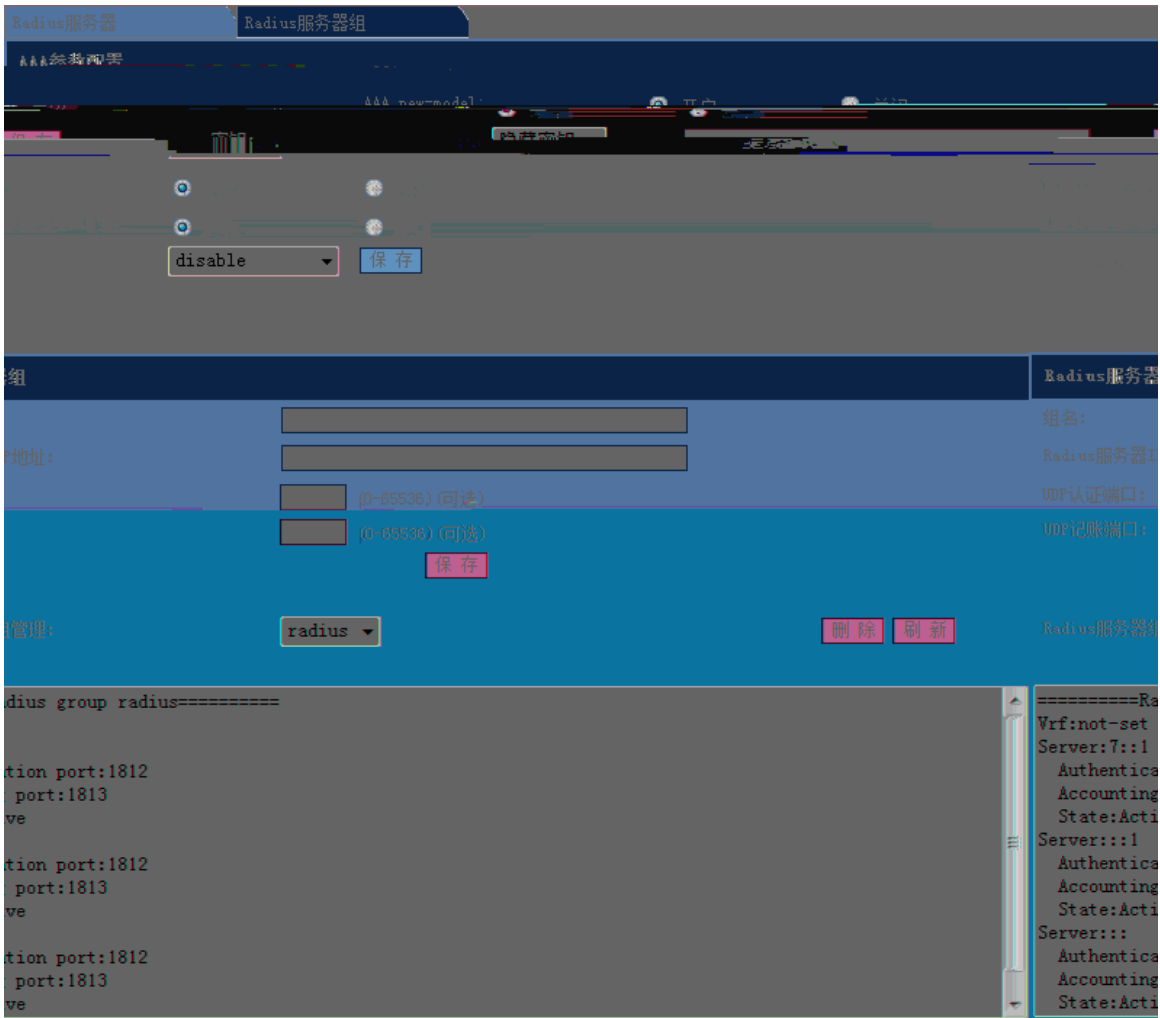
RADIUS

1-54 RADIUS



RADIUS





RADIUS IP

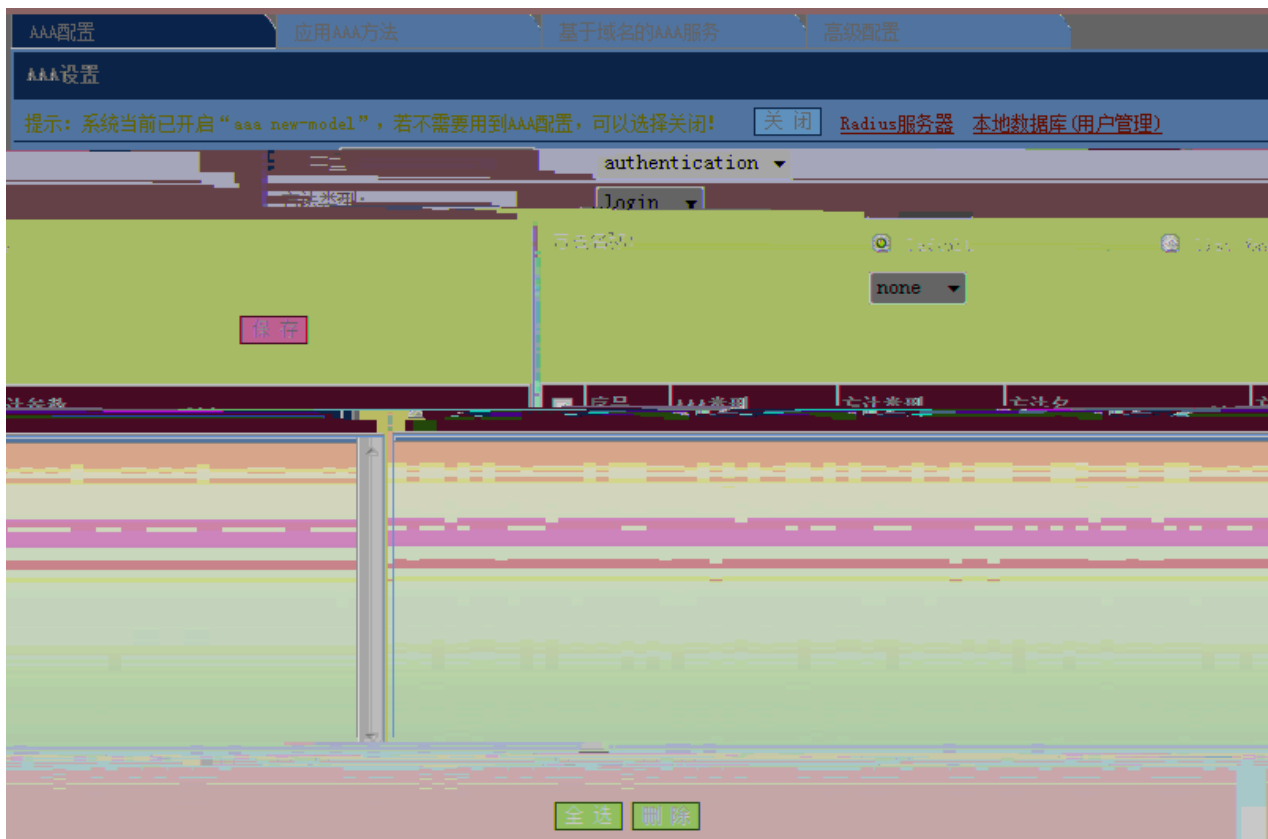
Radius

1.6.10 AAA

AAA

AAA

1-56 AAA



AAA

AAA authentication authorization accounting
 ppp dot1x exec command network
 local group

AAA login enable
 List Name

AAA

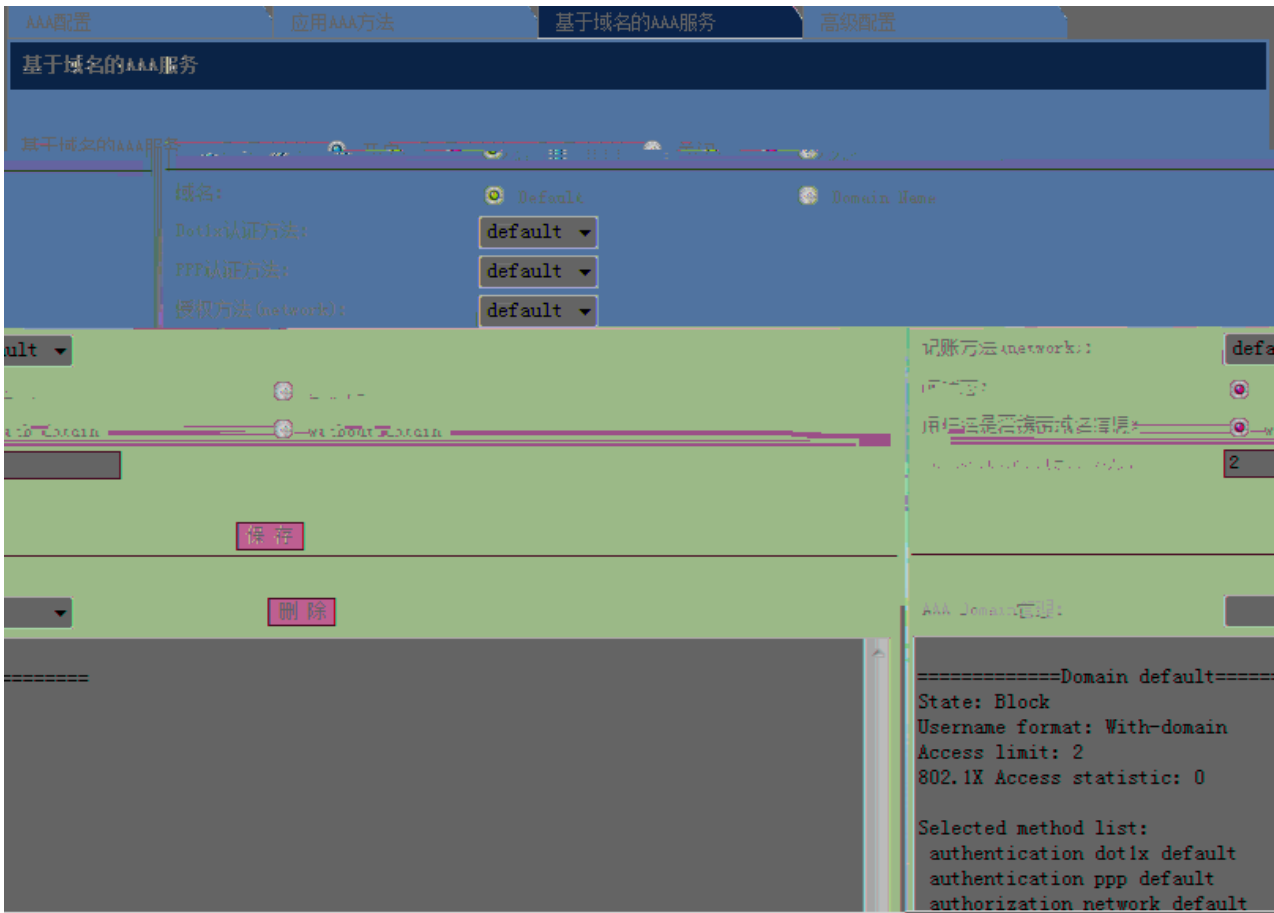
1-57 AAA

AAA AAA

AAA

1-58

AAA



AAA

Dot1x

PPP

(network)

(network)

Access Limit

AAA Domain

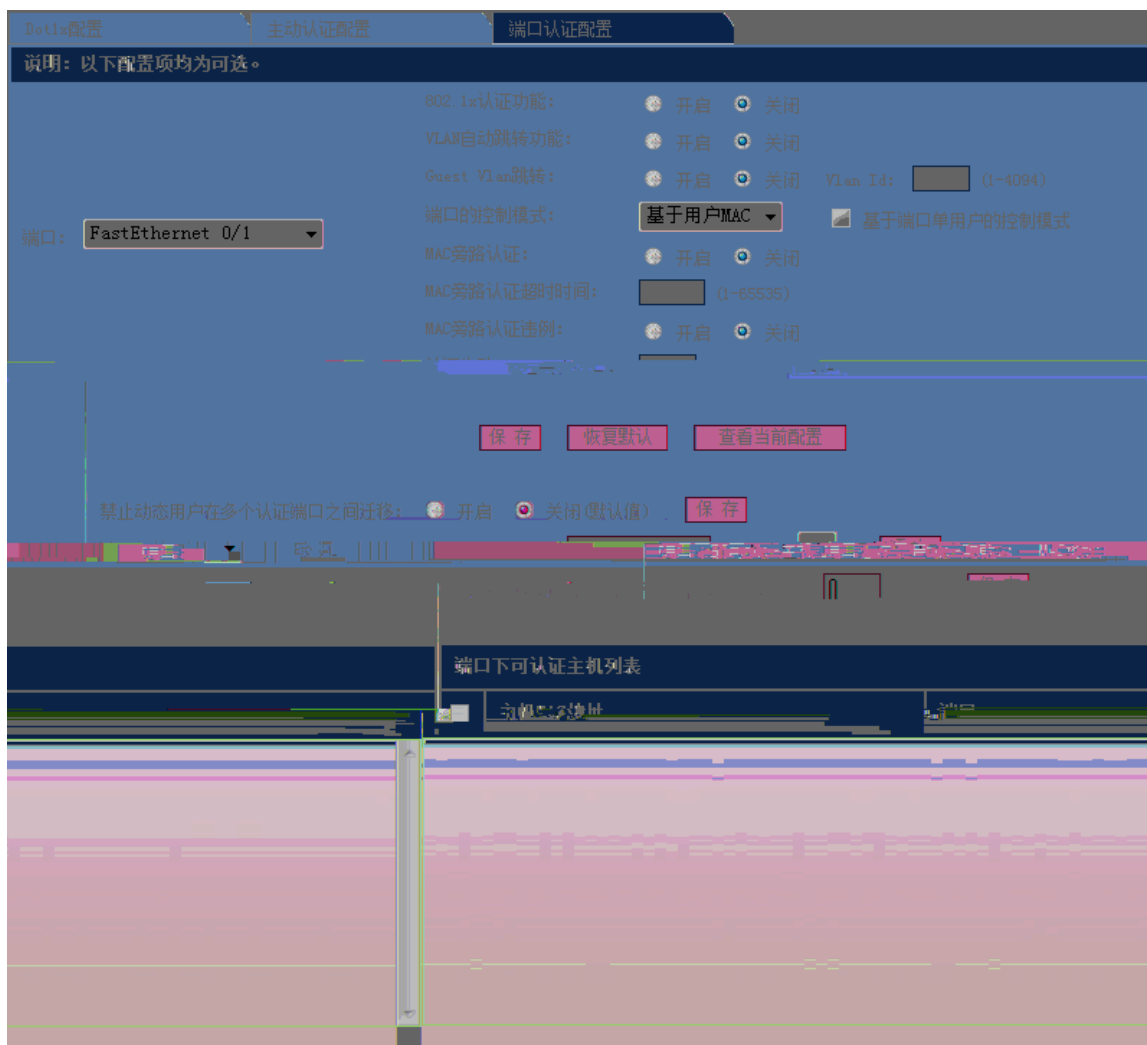


Dot1x

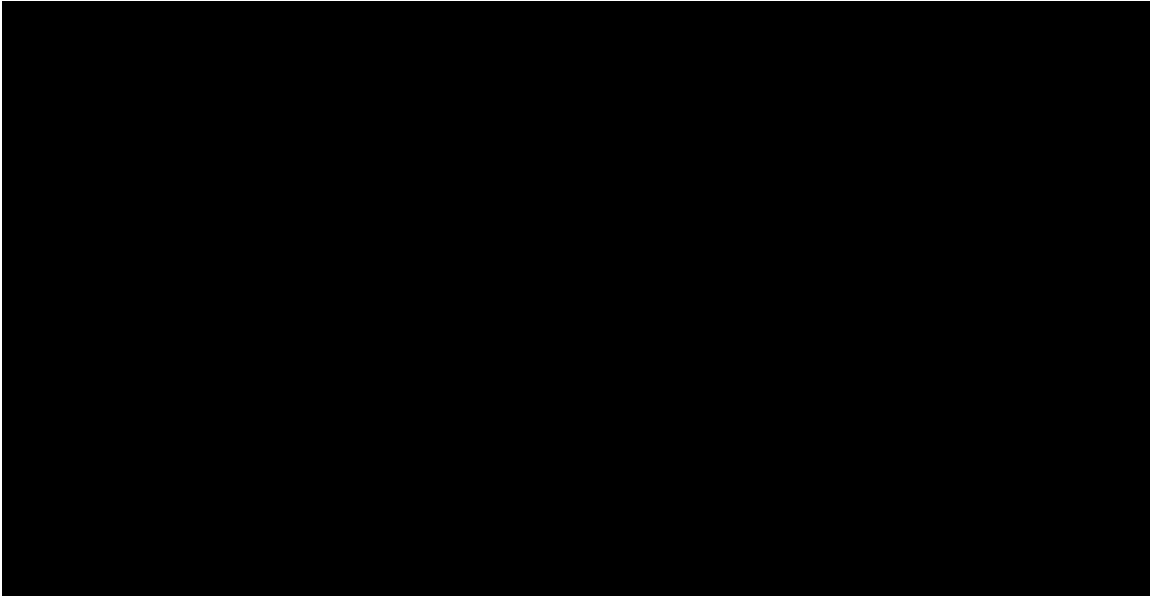
1-61

1-62

1



Dot1x



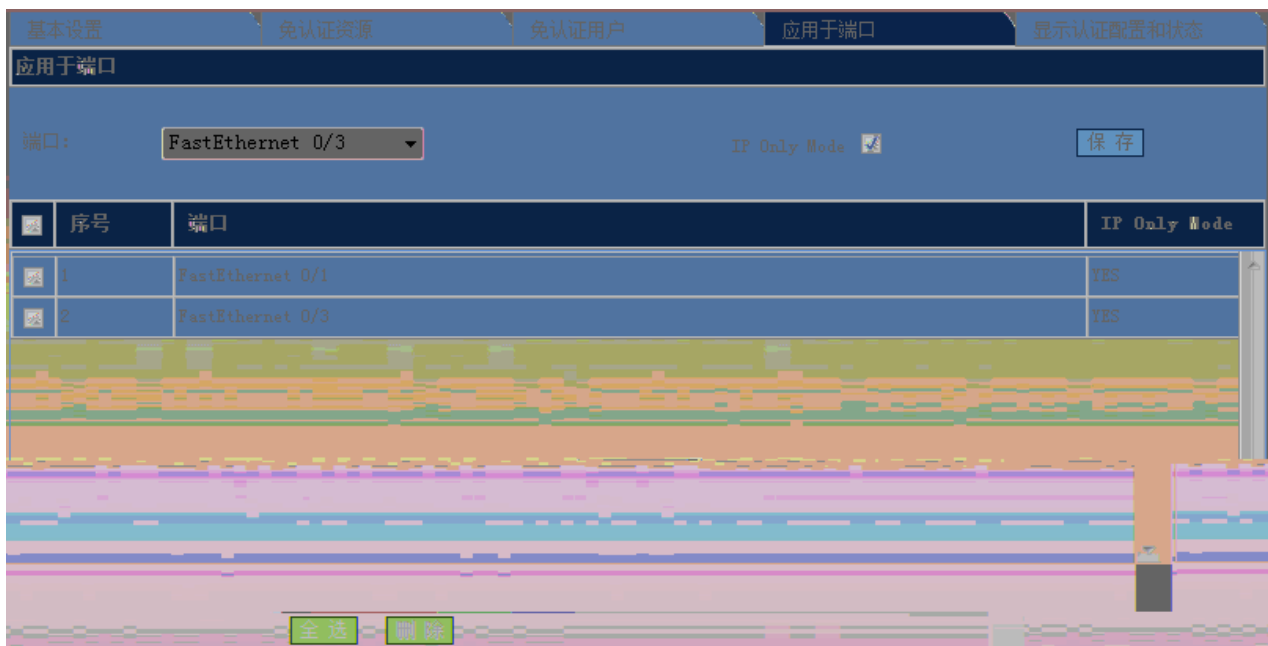
802.1x

MAC

VLAN

1.6.12

1-64



1-70

IP

1.6.14 DHCP Snooping

DHCP Snooping

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

DHCP Snooping 信任端口设置

端口：

DHCP Snooping配置信息

限速	<input type="checkbox"/> 端口	信任端口

DHCP Snooping

DHCP Snooping DHCP Snooping MAC
DHCP Snooping

1.7 QOS

1.7.1

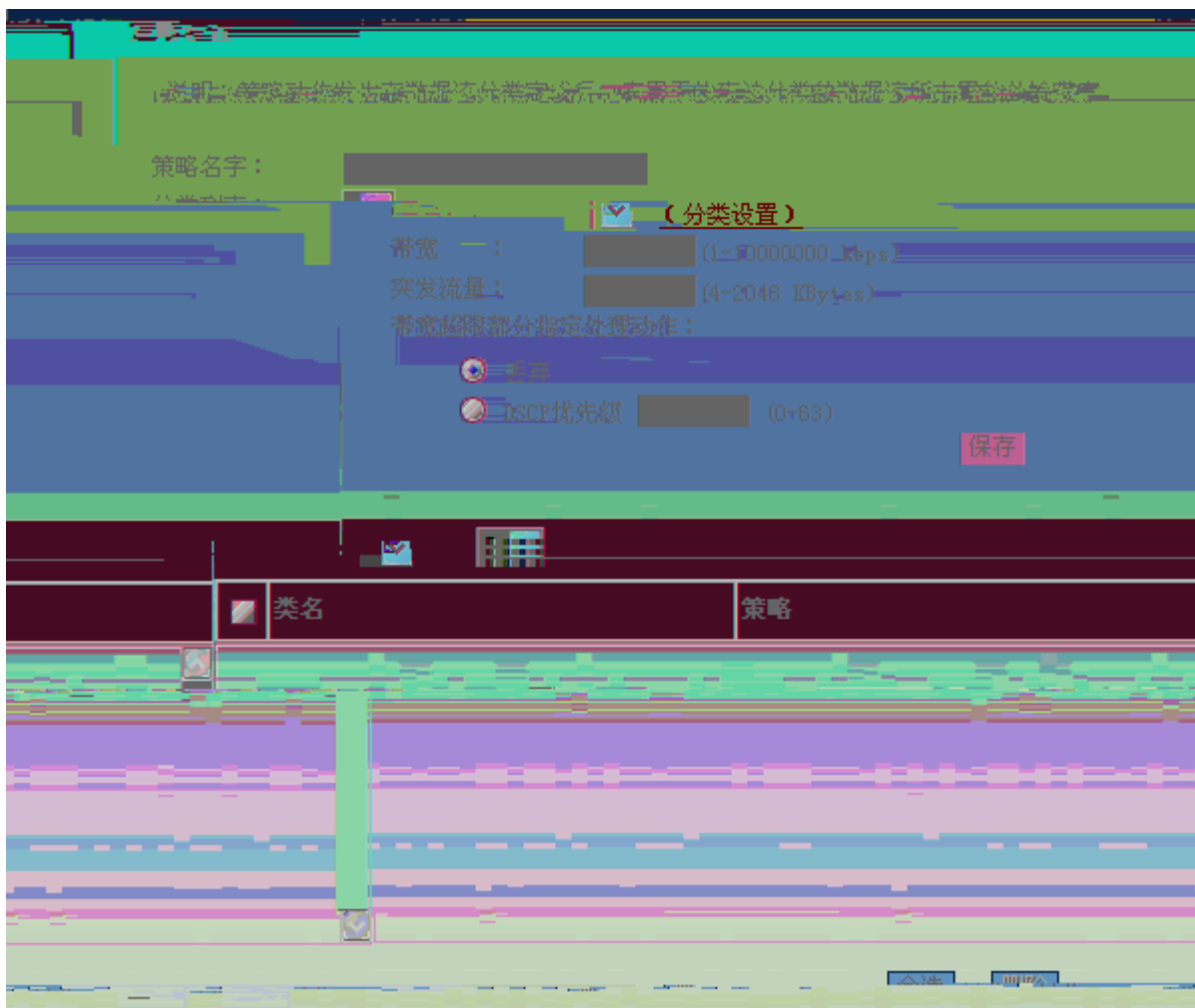
1-72



ACL

1.7.2

1-73



DSCP

1.7.3

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

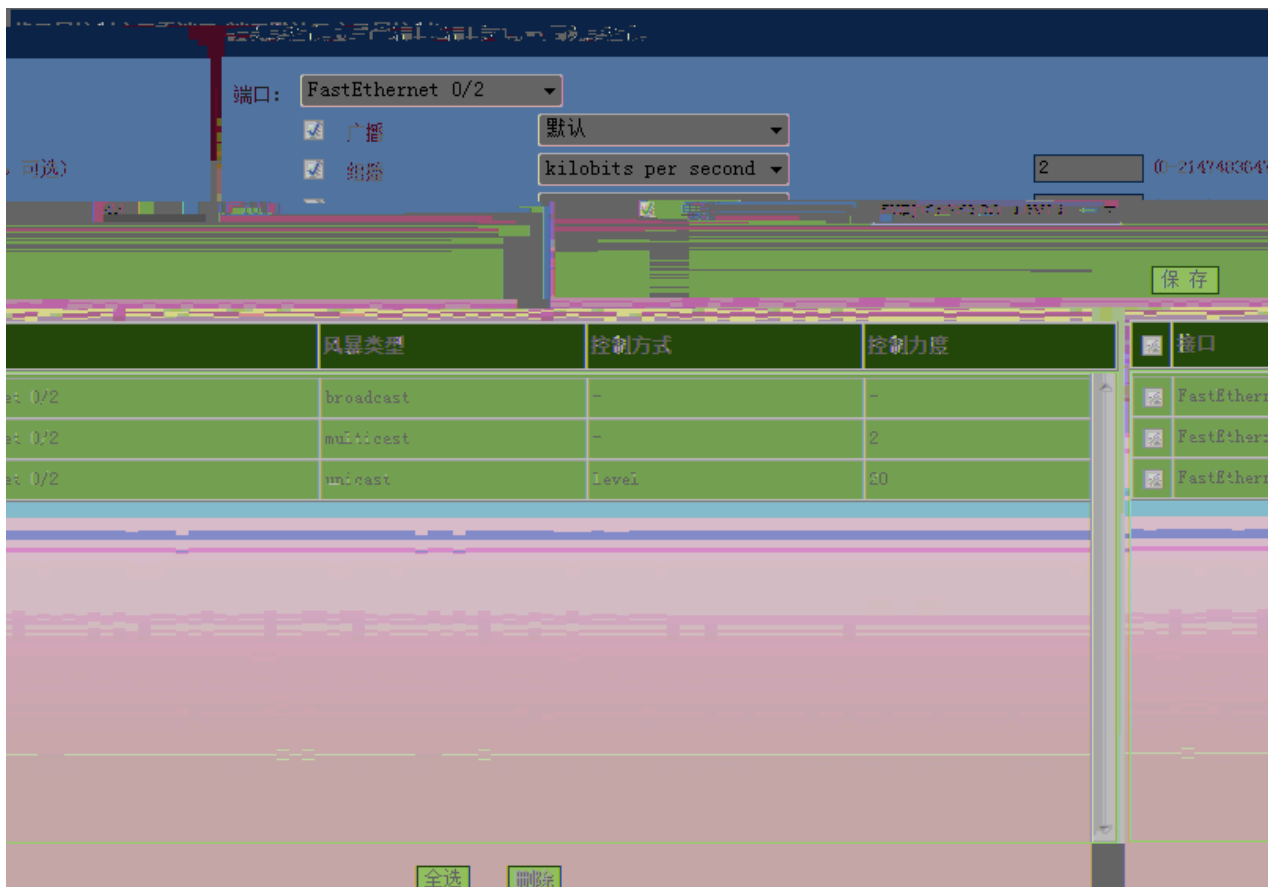
<input type="checkbox"/>	端口	方向	策略名	信任模式	COS
<input checked="" type="checkbox"/>	FastEthernet 0/1	-	-	-	-
<input checked="" type="checkbox"/>	FastEthernet 0/2	-	-	-	-
<input checked="" type="checkbox"/>	FastEthernet 0/3	-	-	-	-
<input checked="" type="checkbox"/>	FastEthernet 0/4	-	-	-	-
<input checked=""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

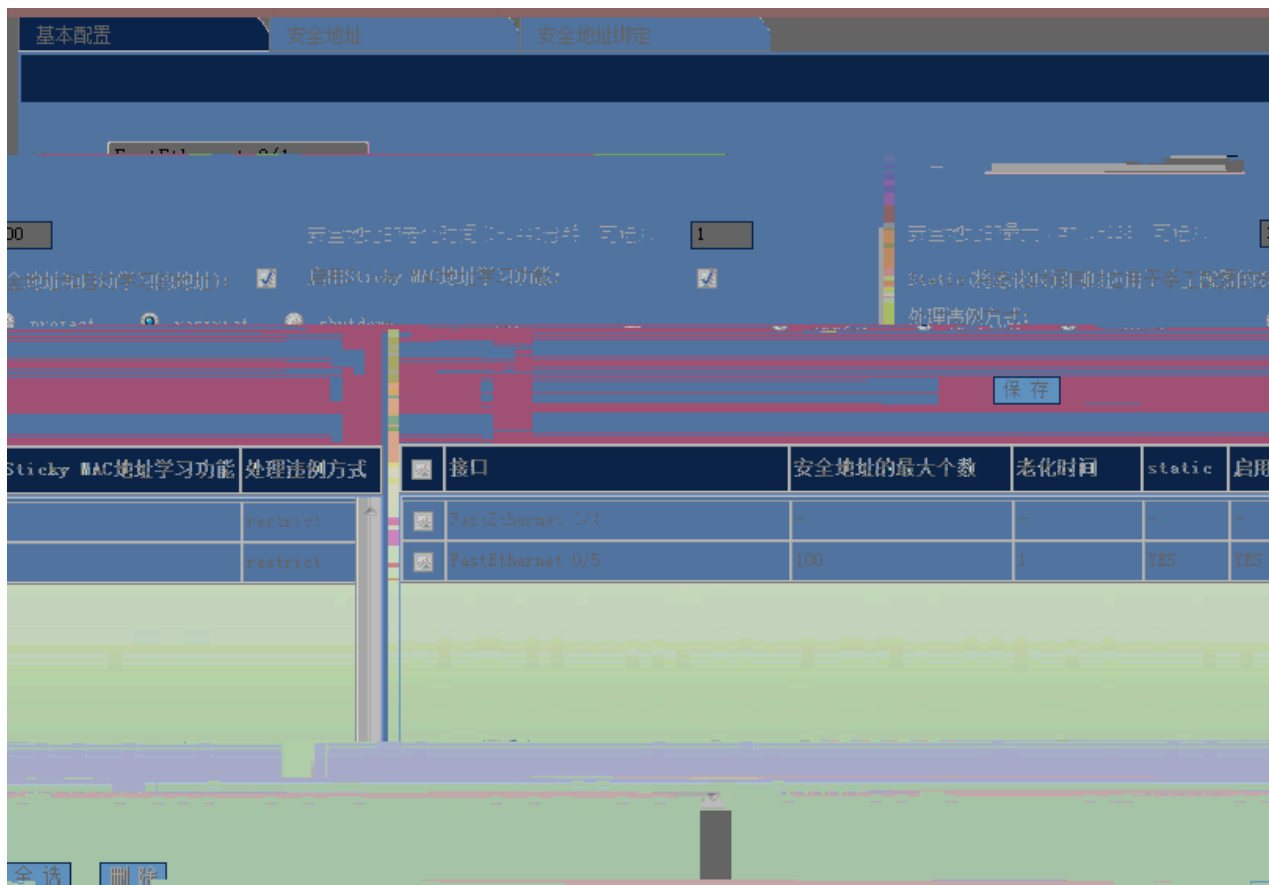
全选 删除

1.7.4

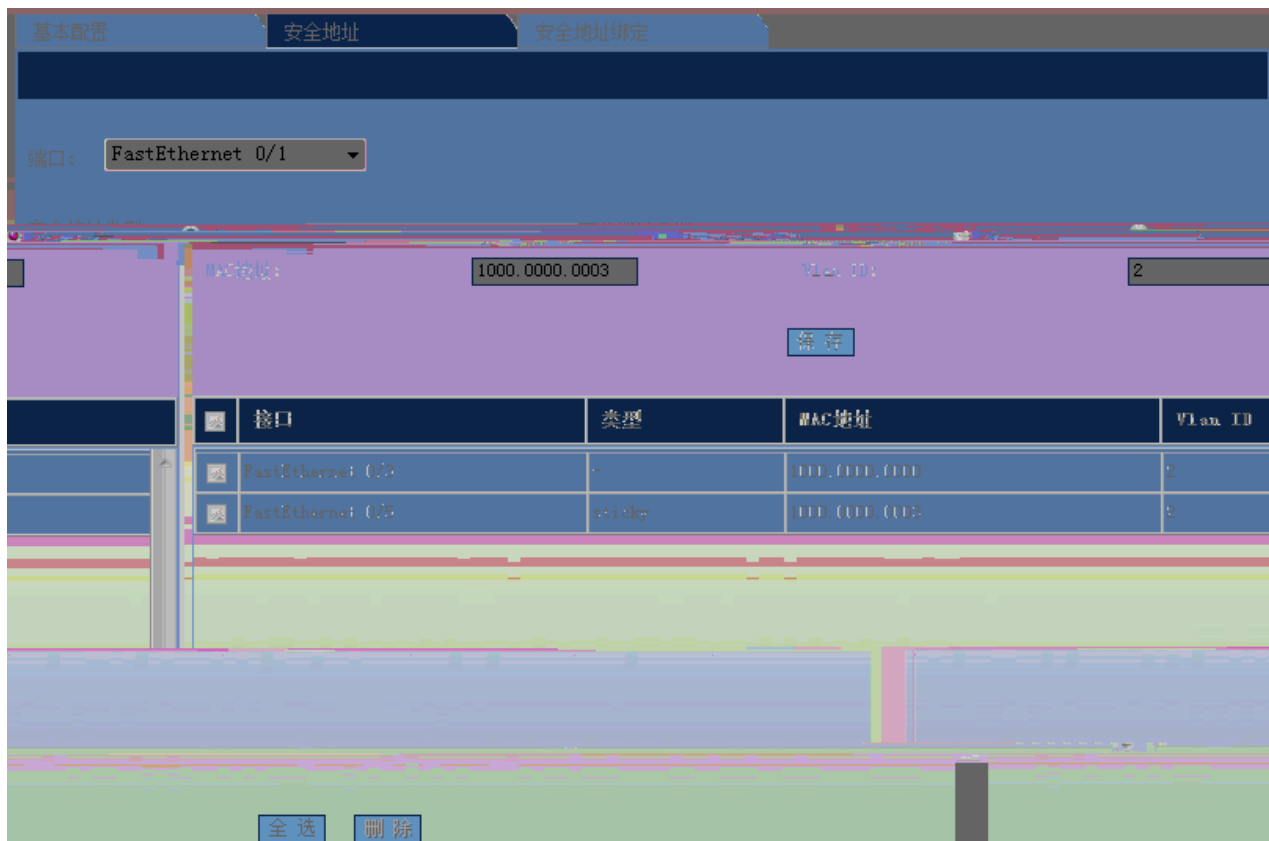
1.7.5

1-75





Static Sticky Mac



Mac VLAN ID

基本配置 安全地址 **安全地址绑定**

端口:

IP地址 (IPv4或IPv6):

将MAC及Vlan进行绑定到安全端口:

MAC地址: Vlan ID:

接口	MAC地址	Vlan ID	IP地址
10	1.2.3.3	<input type="text" value="10"/>	1000.0000.0000

IP MAC Vlan

Mac VLAN ID

1.8

1.8.1

1-79

1.8.2

1-80



The screenshot shows a terminal window titled "当前配置" (Current Configuration). The text displayed is as follows:

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

version RGNOS 10.2.00(3), Release(30355) (Tue Mar 11 19:23:04 2008 -
195A44470348C)

vlan 1
 name vlan1

vlan 2

vlan 3

vlan 4

vlan 5

vlan 6

vlan 7
```

1.8.3

1-81

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	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

1-82

1.8.5

1-83

1.8.6

1-84

```

系统日志信息
Syslog logging: enabled
  Console logging: level debugging, 587 messages logged
  Monitor logging: level debugging, 0 messages logged
  Buffer logging: level debugging, 587 messages logged
  Timestamp debug messages: datetime
  Timestamp log messages: datetime
  Sequence-number log messages: disable
  Sysname log messages: disable
  Count log messages: disable
  Trap logging: level informational, 587 message lines logged, 0 fail
Log Buffer (Total 4096 Bytes): have written 4096, Overwritten 2533
*Feb 28 06:23:49: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 06:33:51: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 06:43:52: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 06:53:53: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 07:03:54: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 07:13:55: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 07:23:56: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 07:33:57: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 07:43:58: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 07:53:59: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 08:03:00: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 08:13:01: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 08:23:02: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 08:33:03: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 08:43:04: %ARPGUARD-4-SCAN: ARP scan was detected.
*Feb 28 08:53:05: %ARPGUARD-4-SCAN: ARP scan was detected.

```

1.9

1.9.1 Ping

Ping

Ping

1-85 Ping

IP

IP

Ping

1.9.2

1-88



1-89



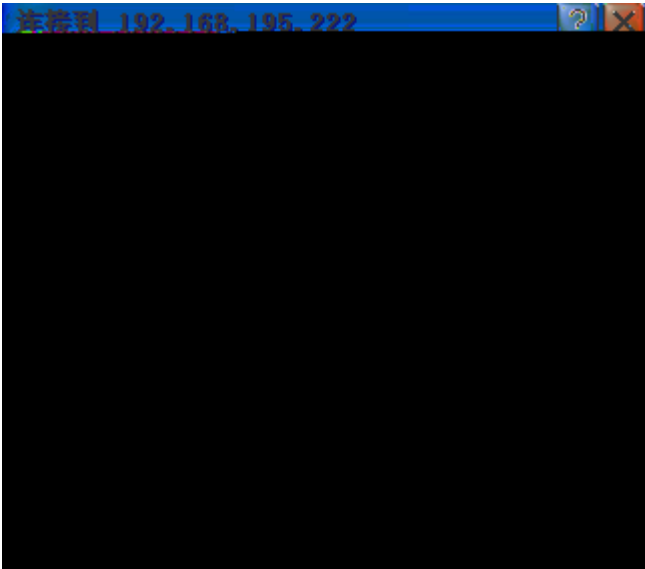
a

1.9.4

Enable

Enable

1-91



Telnet

Telnet

1.9.5 /

config.text config.text TFTP IP TFTP
config.text TFTP TFTP

1.9.6 **WEB**

WEB

WEB

1-93 WEB

IP 192.168.1.1 http://192.168.1.1:8080
http://192.168.1.1

8080

1.9.7

1-94

TFTP TFTP TFTP
TFTP IP

1.9.8

1.10 WEB

WEB WEB enable

WEB Local Enable WEB WEB

Local

config

WEB

WEB

Local

15

IP

Enable

config

WEB

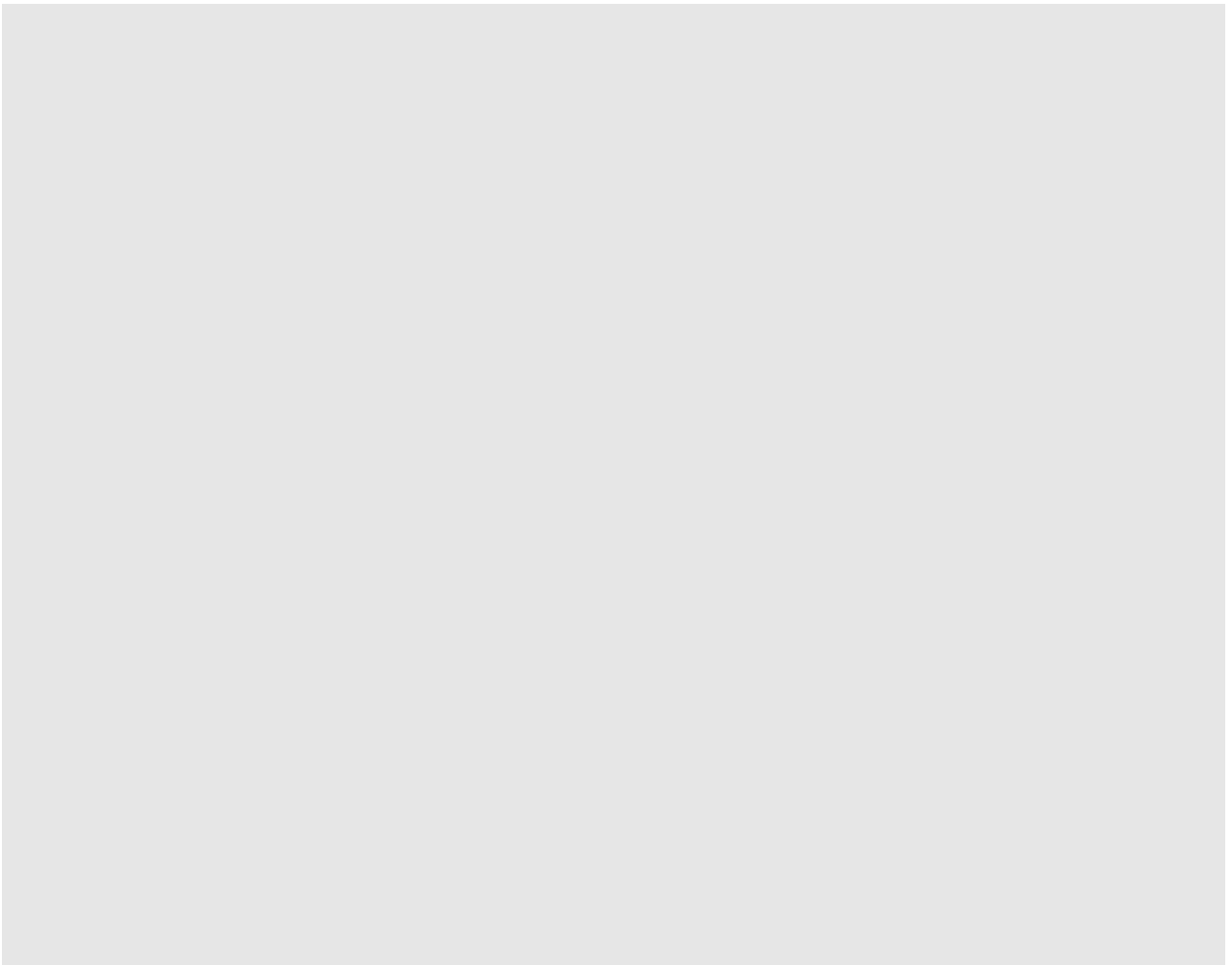
WEB

Enable

Enable

IP

Local



Enable

