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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 (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

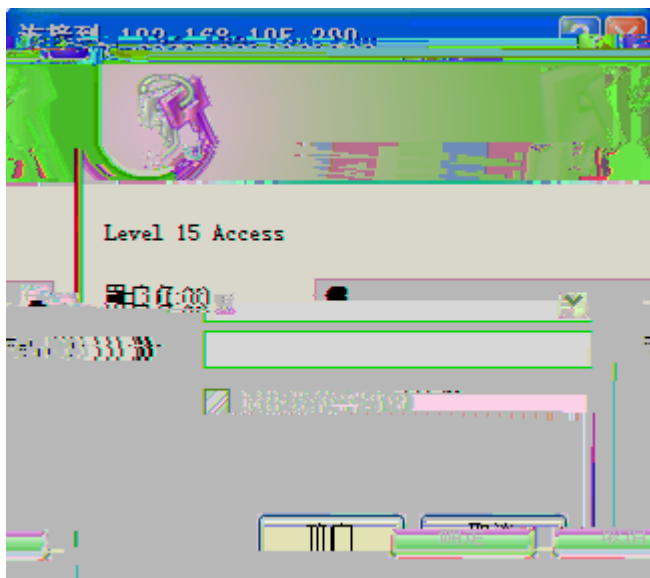
1.4 WEB

IP IP WEB
IP http://192.168.1.200,

1-1

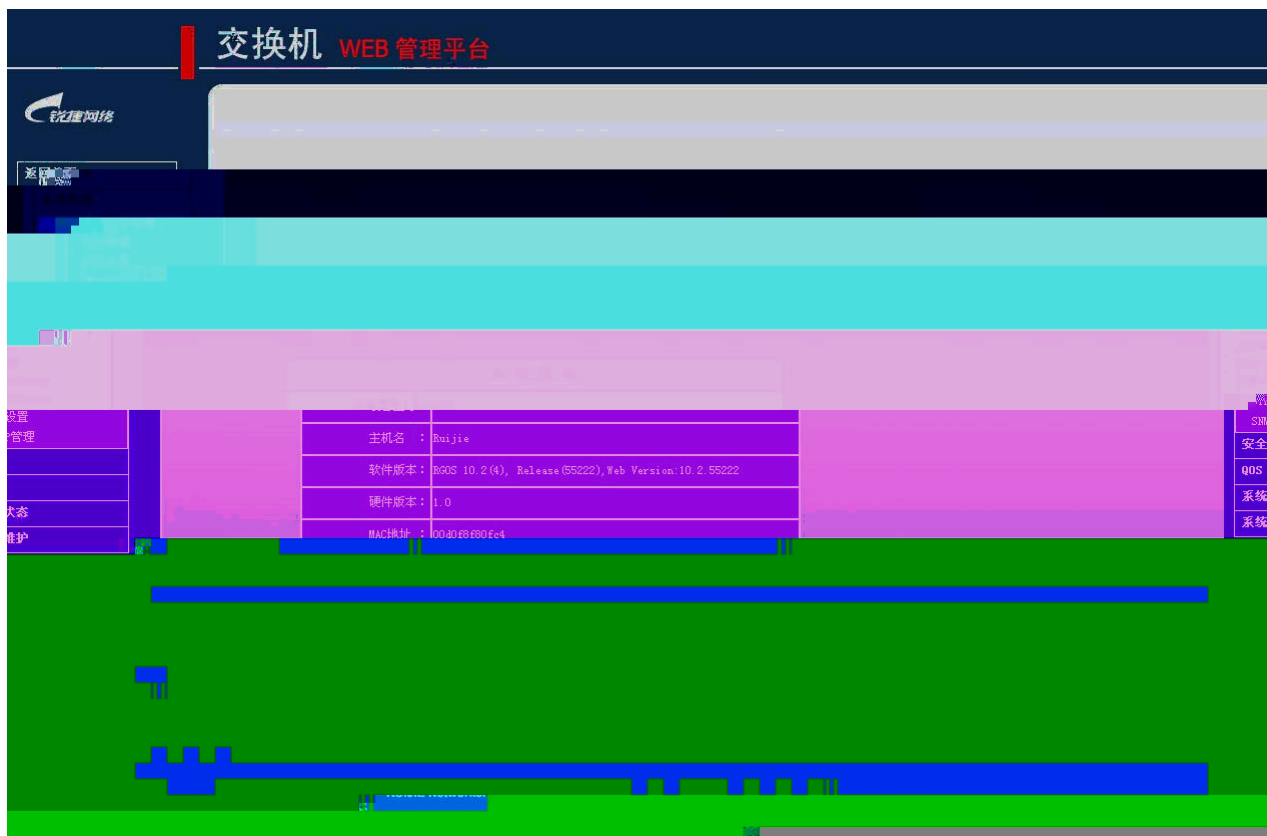


1-2



WEB

1-3 WEB



1.5

1.5.1 IP

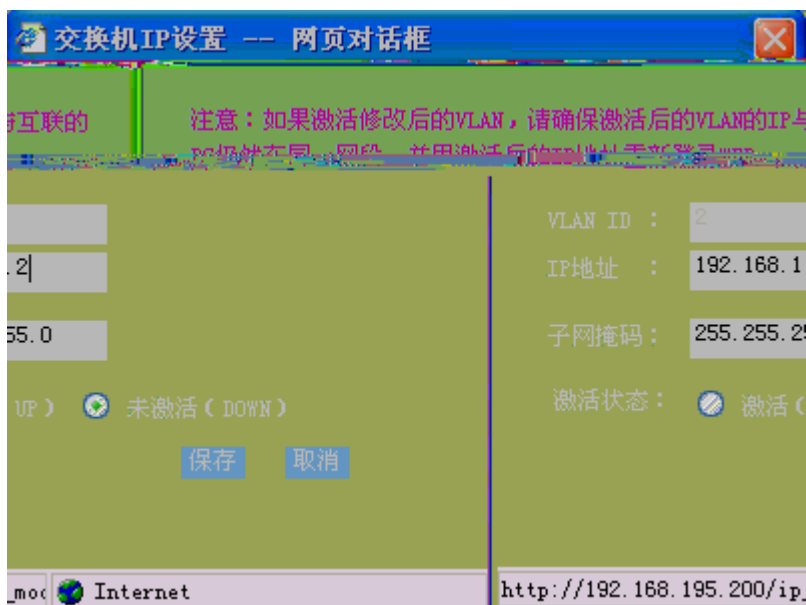
IP

IP

1-4 IP

ip

1-5 IP



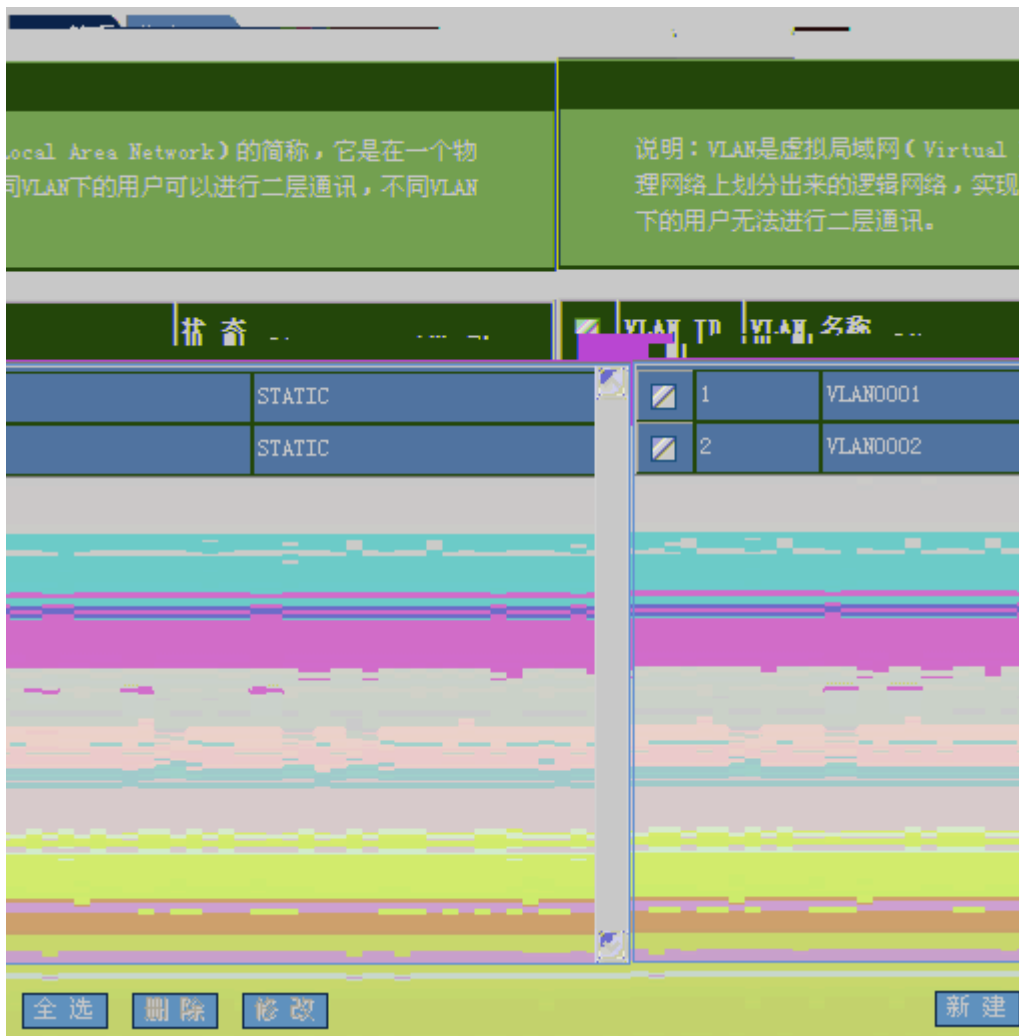
IP

1.5.2 VLAN

VLAN

VLAN

1-6 VLAN



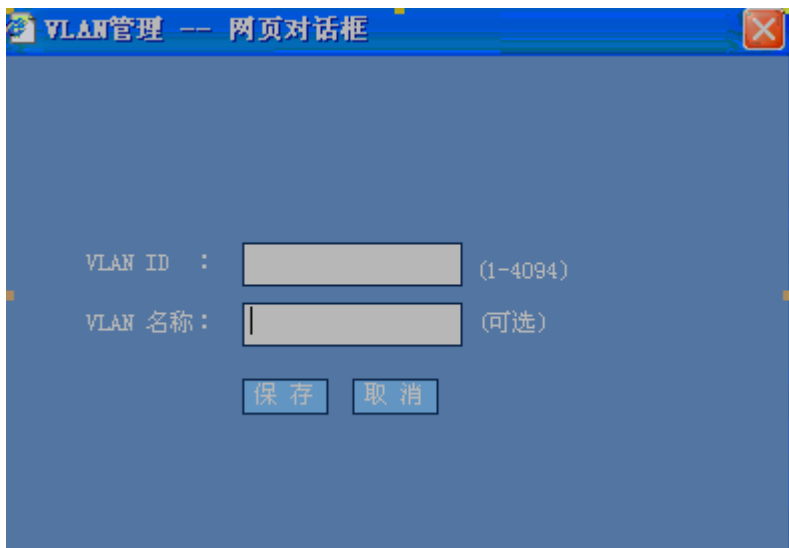
VLAN

VLAN

VLAN

VLAN

1-7 VLAN



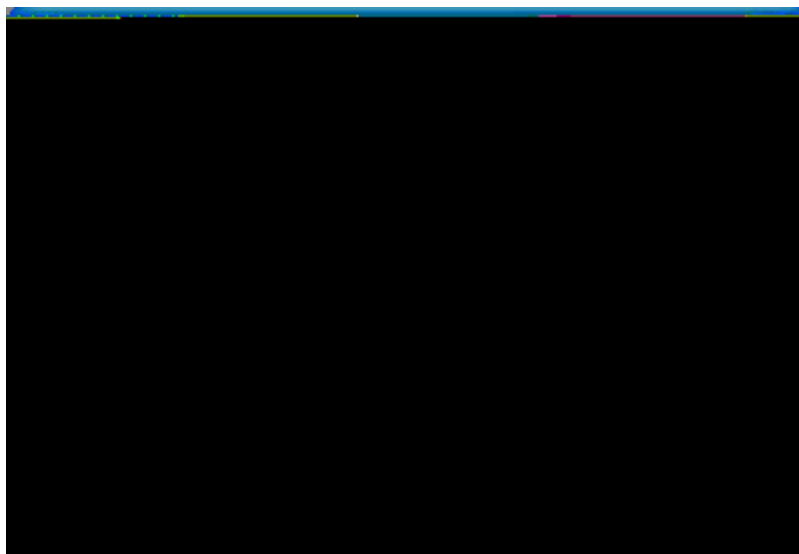
VLAN ID VLAN

VLAN VLAN

VLAN

VLAN

1-8 VLAN



VLAN

VLAN

VLAN

1-9 VLAN

VLAN ID

1.5.3

1-10

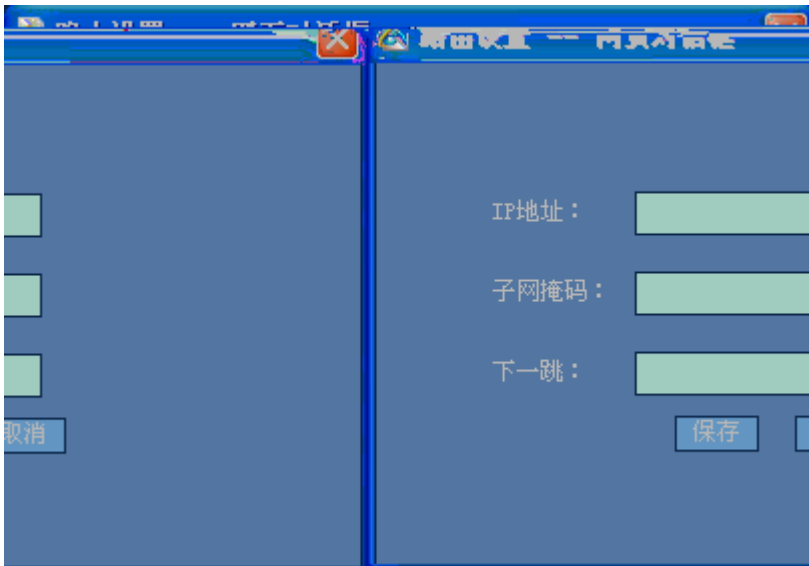
IP

IP

1.5.4

1-11

1-12



IP

1.5.5

1-13

1.5.6

1-14



2 n

1-15



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：

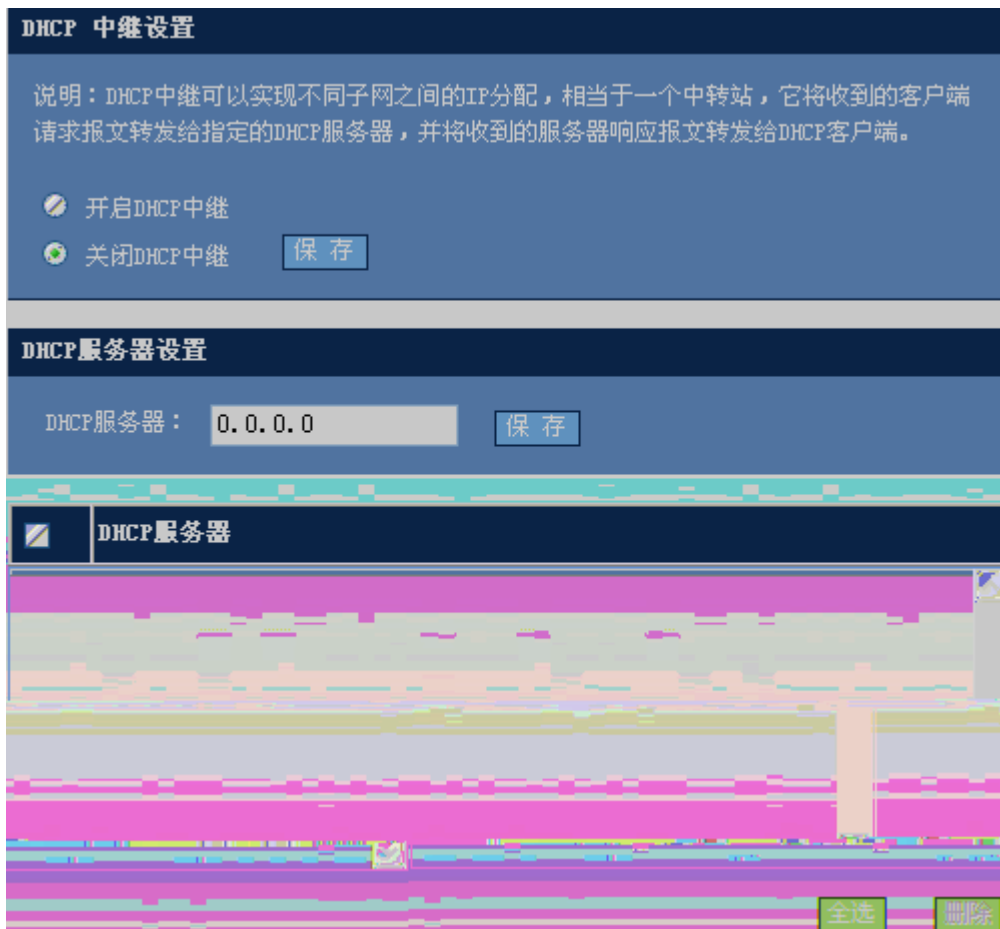
状态： 双工： 速率： 流控：

描述：

端口	状态	双工	速率	流控	描述
G10/1	Down	Half	10	On	-
G10/2	Down	Half	10	On	-
G10/3	Down	Full	1000	Off	-
G10/4	Down	Auto	Auto	Off	-
G10/5	Down	Full	100	Off	-
G10/6	Down	Auto	Auto	Off	-
G10/7	Up	Full	100	Off	-
G10/8	Down	Auto	Auto	Off	-
G10/9	Down	Full	100	Off	-
G10/10	Down	Auto	Auto	Off	-
G10/11	Down	Auto	Auto	Off	-
G10/12	Down	Auto	Auto	Off	-

1.5.9 DHCP

DHCP



/ DHCP

/ DHCP

DHCP

DHCP

DHCP

1.5.10 IGMP Snooping

IGMP Snooping

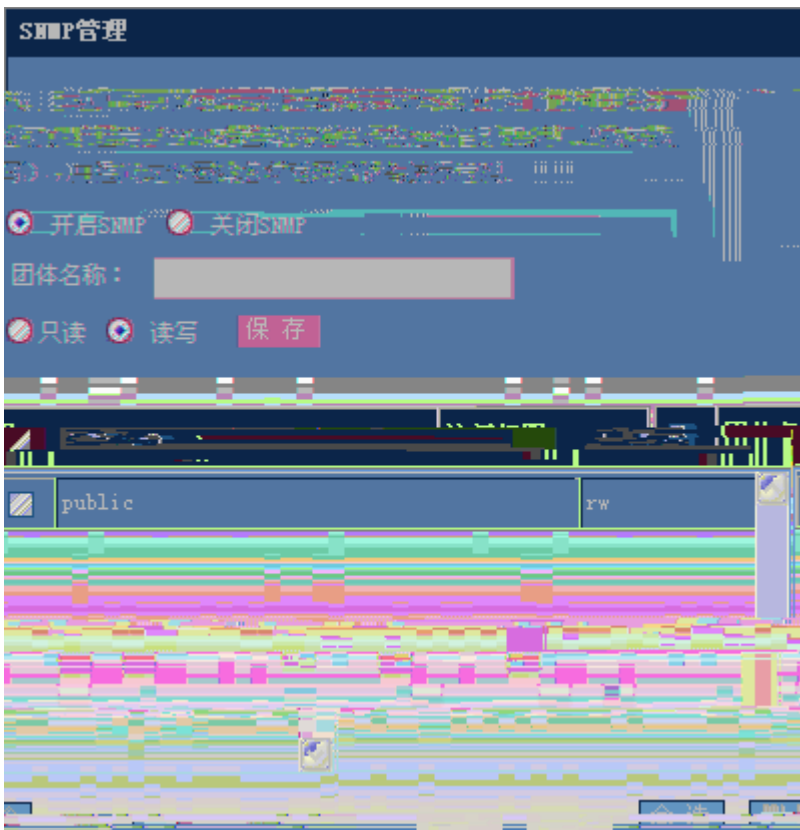
IGMP Snooping

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



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:

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 11:17:6	
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:18:7	
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:19:8	
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:20:9	
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:21:0	
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:22:1	
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:23:2	
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:24:3	
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:25:4	

ARP

ARP

ARP

ARP

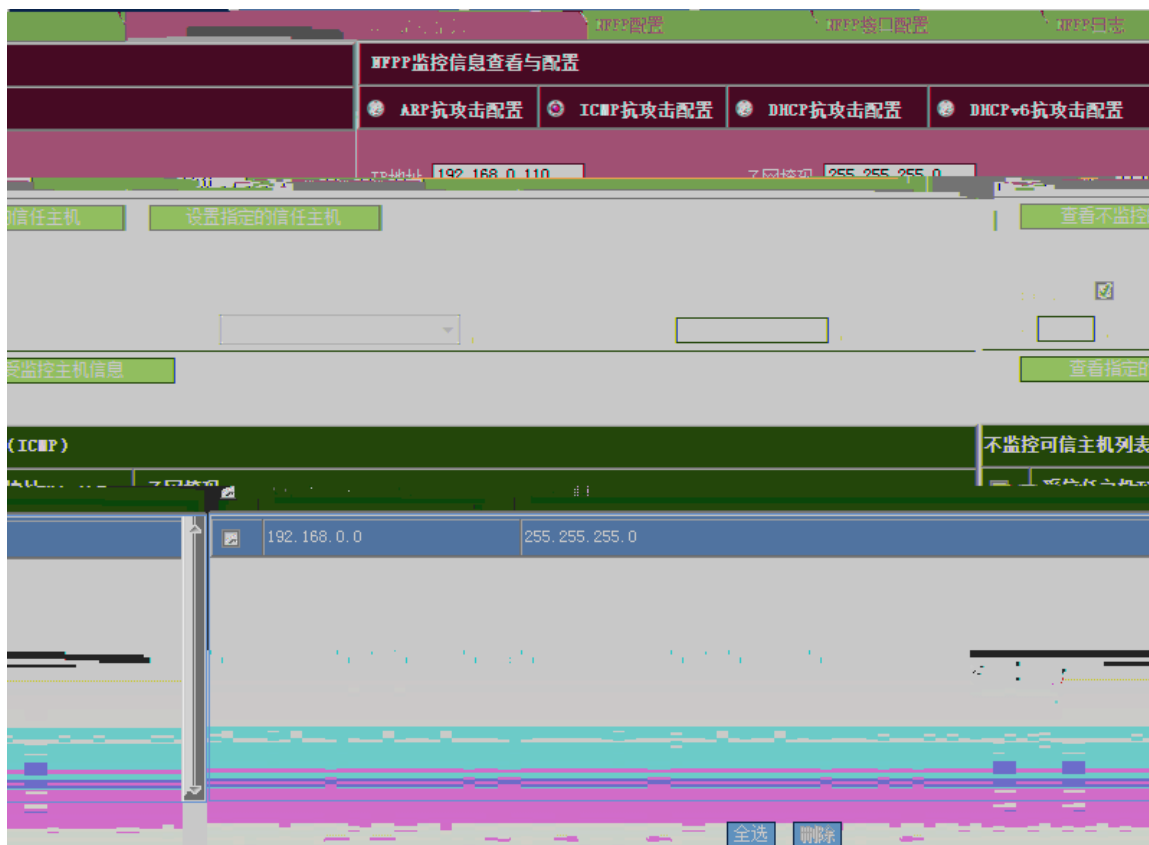
ARP

ARP

2) ICMP

1-25 NFPP

ICMP



ICMP

IP

3) DHCP

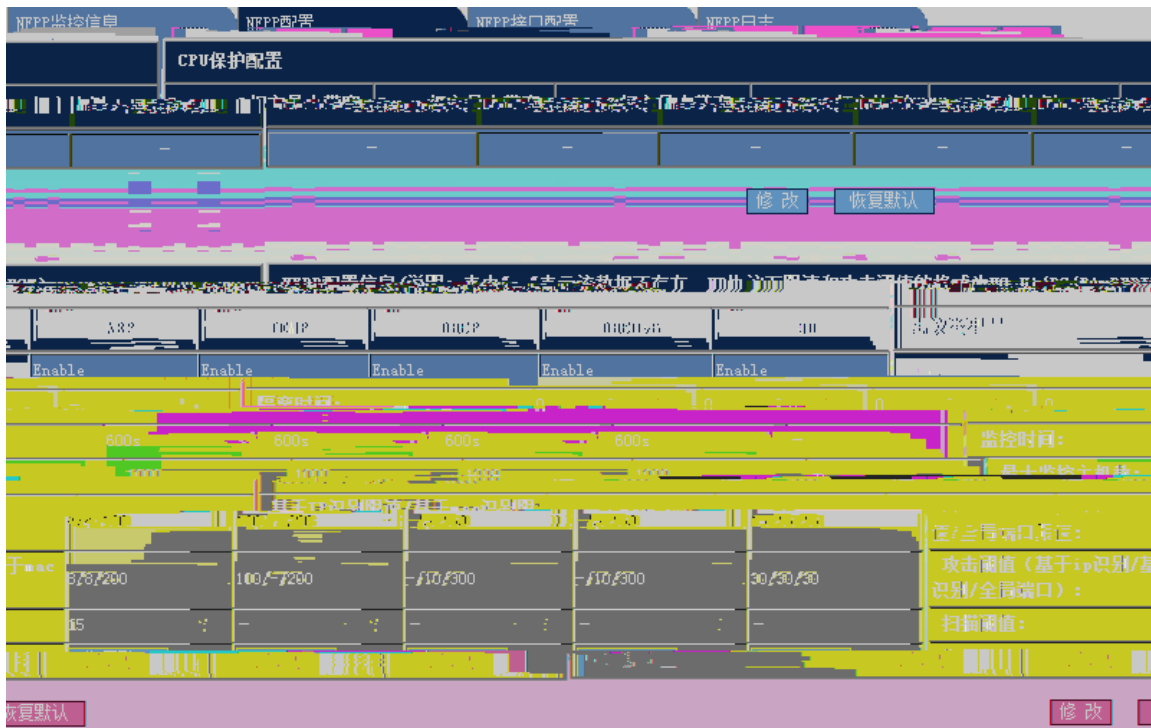
1-26 NFPP

DHCP

DHCPv6

NFPP

1-28 NFPP



1) CPU

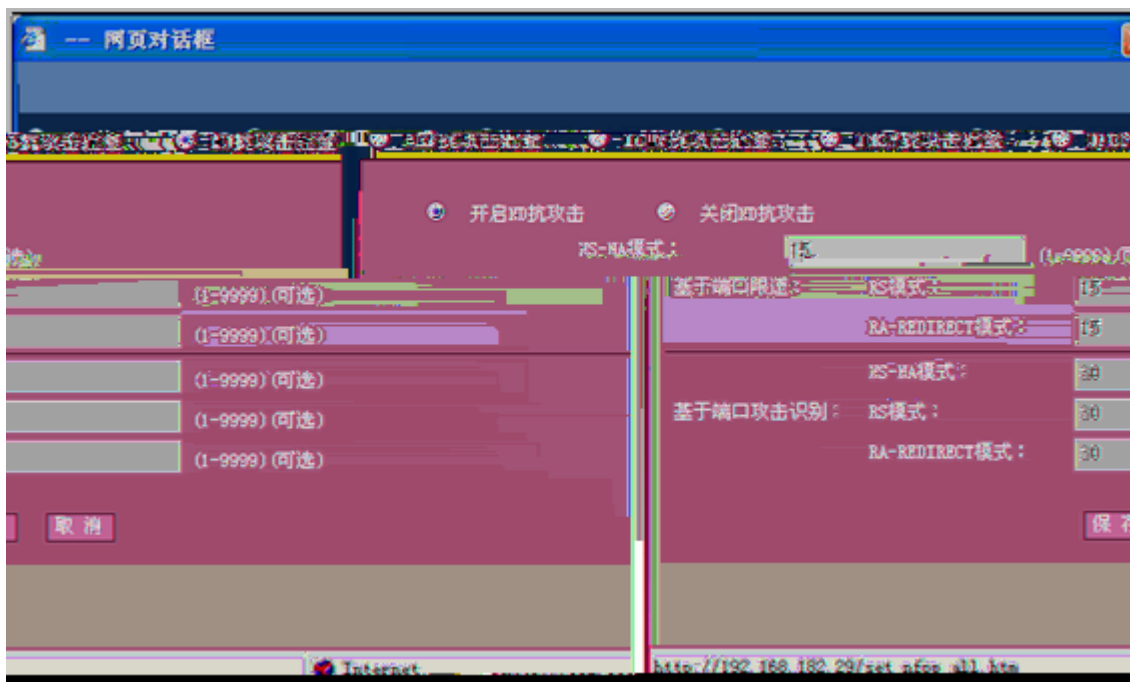
1-29 CPU



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攻击攻击配置 DHCP攻击攻击配置 DHCPv6攻击攻击配置 ND攻击攻击配置 **ARP攻击攻击配置**

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

(0/30-86400) (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抗攻击
	123	123/789/123	123/789/456	123	<input checked="" type="checkbox"/>	Fa0/1	Enable

全选 删除

ARP NFPP

2) ICMP

1-32 NFPP NFPP ICMP

NFPP接口信息配置

攻击 关闭ICMP抗攻击 默认 接口: FastEthernet 0/1 开启ICMP抗

(1-9999) 攻击阈值: 1222 (1-9999) 基于ip/via/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) 永

保存

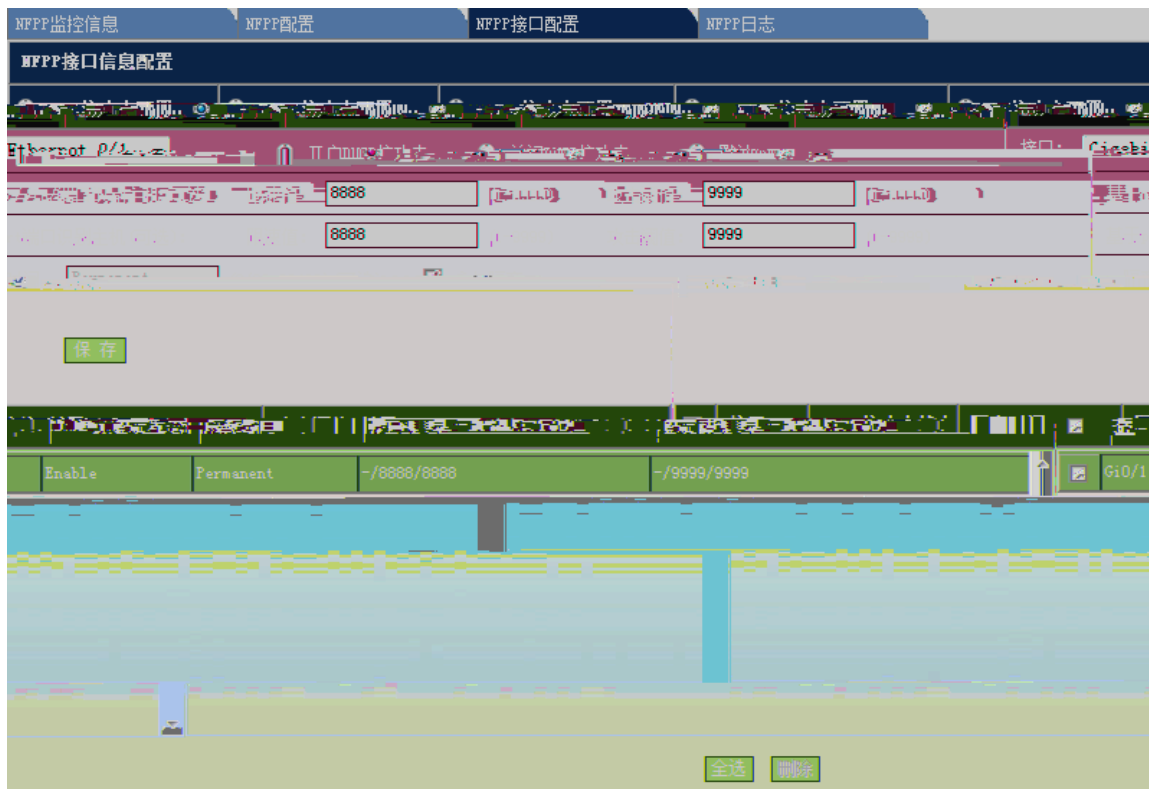
基于IP/MAC/PORT	攻击阈值(基于IP/MAC/PORT)	接口	ICMP抗攻击状态	隔离时间	限速值(基于IP/MAC/PORT)
1222	1222/~ /2222	<input checked="" type="checkbox"/> Fa0/1	Enable	Permanent	1112/~ /1322

全选 删除

ICMP NFPP

3) DHCP

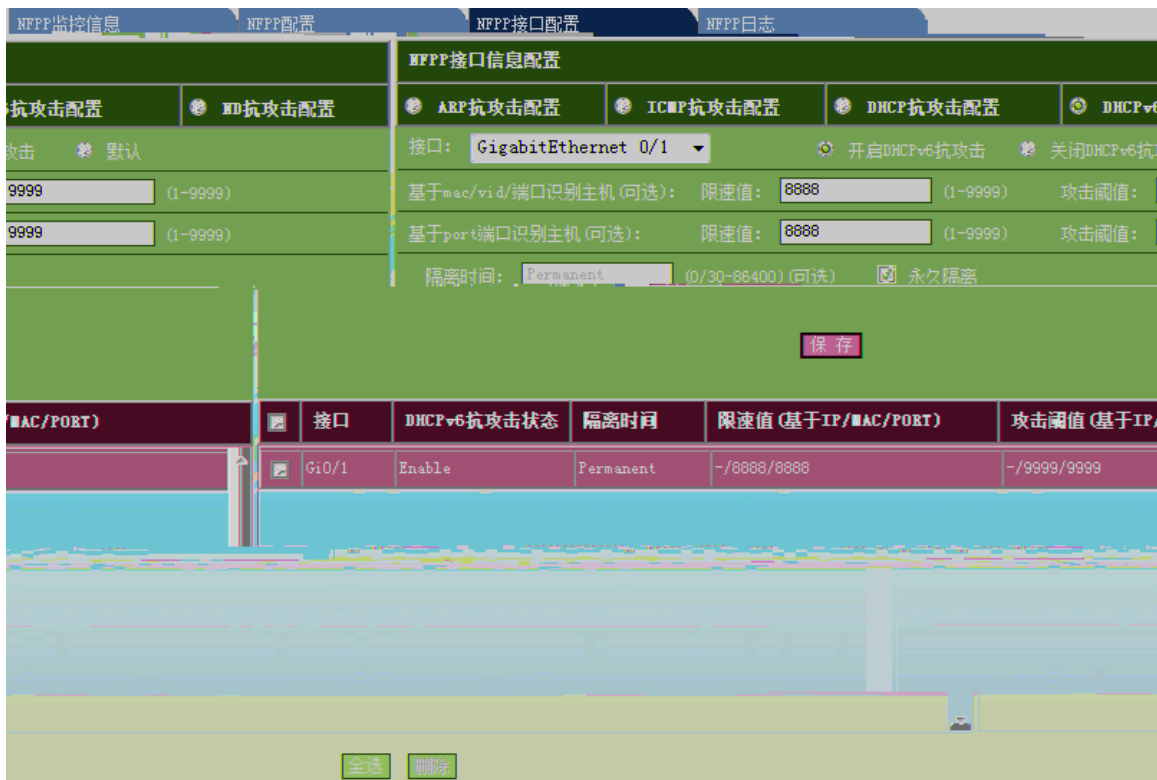
ACU NFPPyDHCP



DHCP NFPP

4) DHCPv6

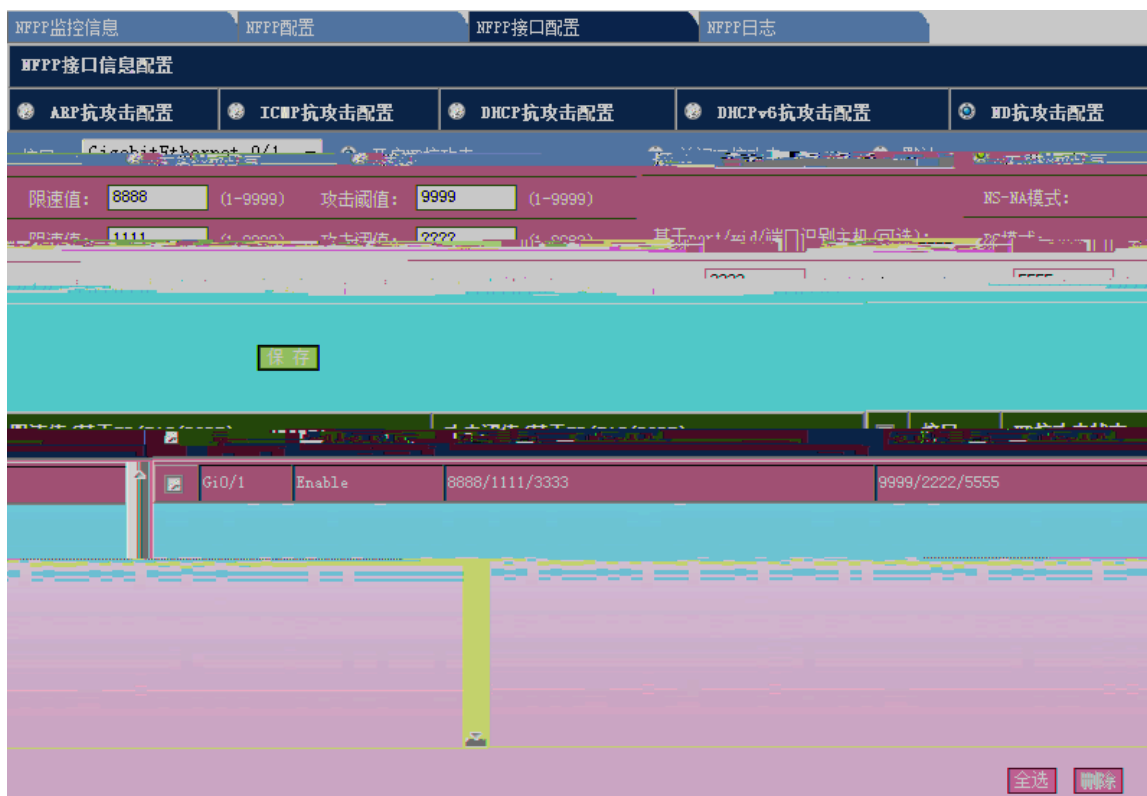
1-34 NFPP NFPP DHCPv6



DHCPv6 NFPF

5) ND

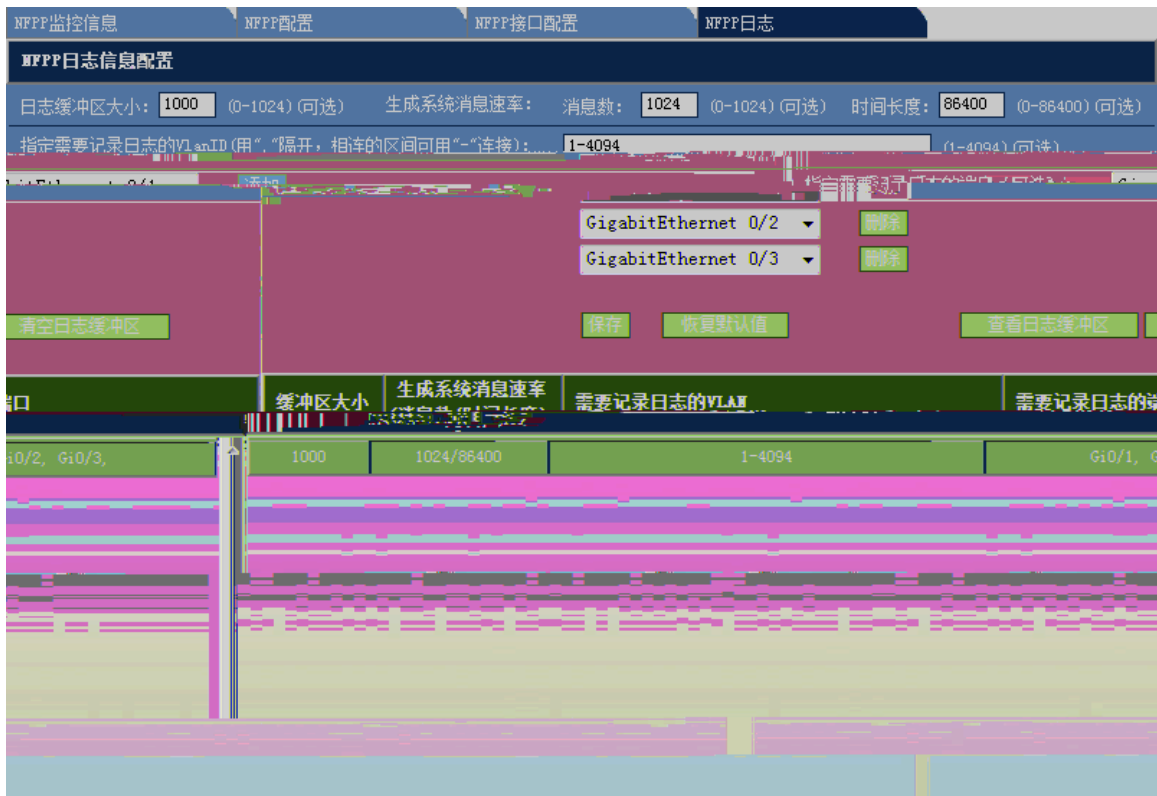
1-35 NFPF NFPF ND



ND NFPP

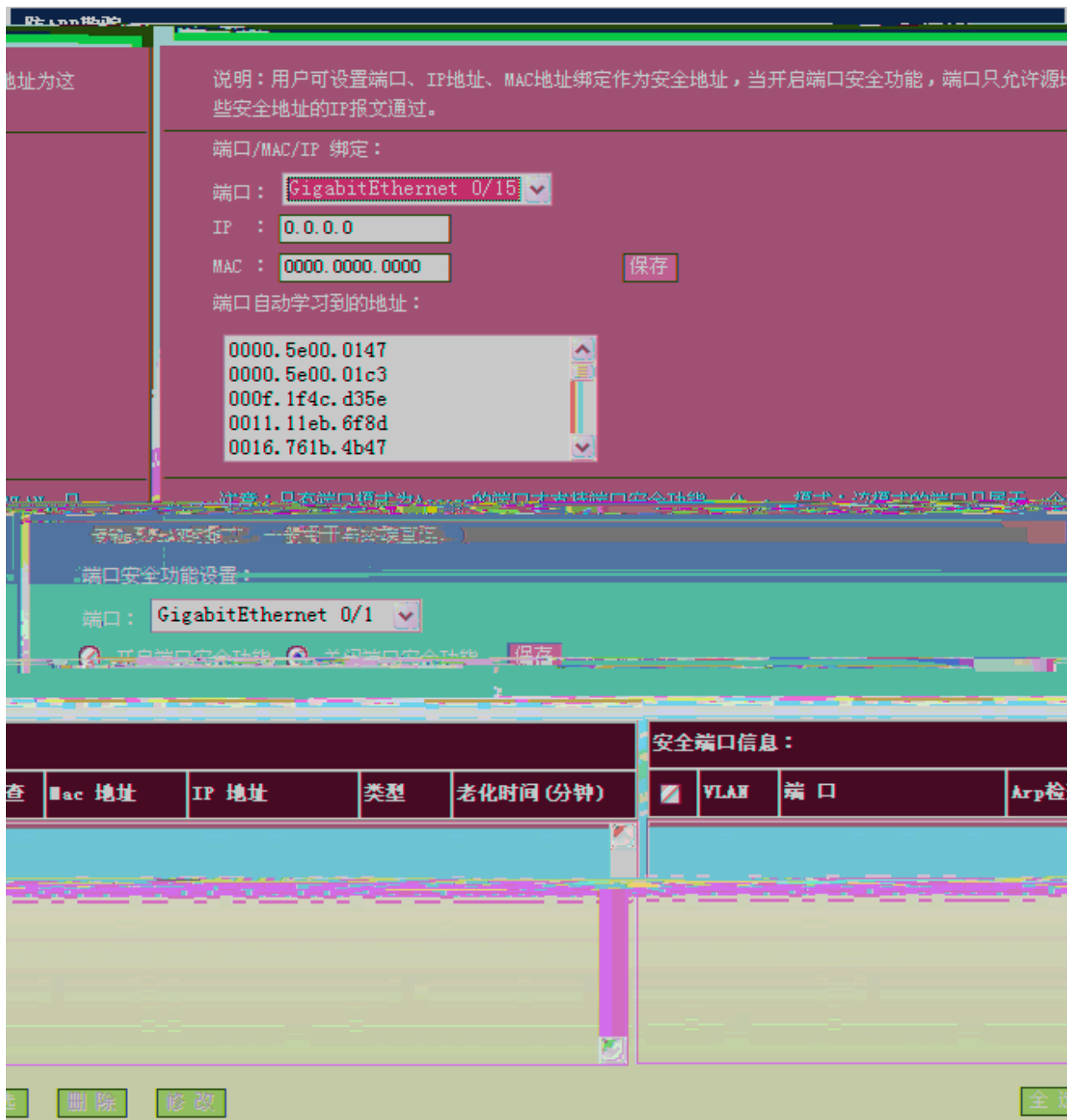
NFPP

1-36 NFPP



NFPF

1-37



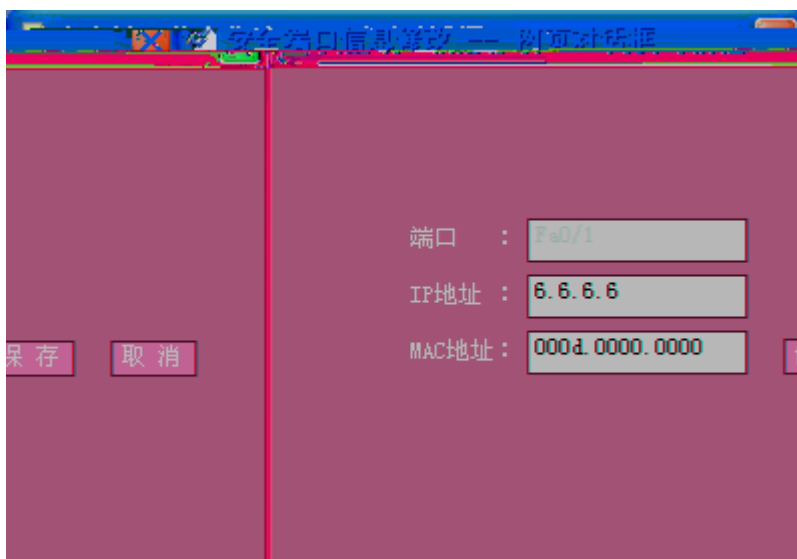
/MAC/IP

/MAC/IP

IP MAC

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

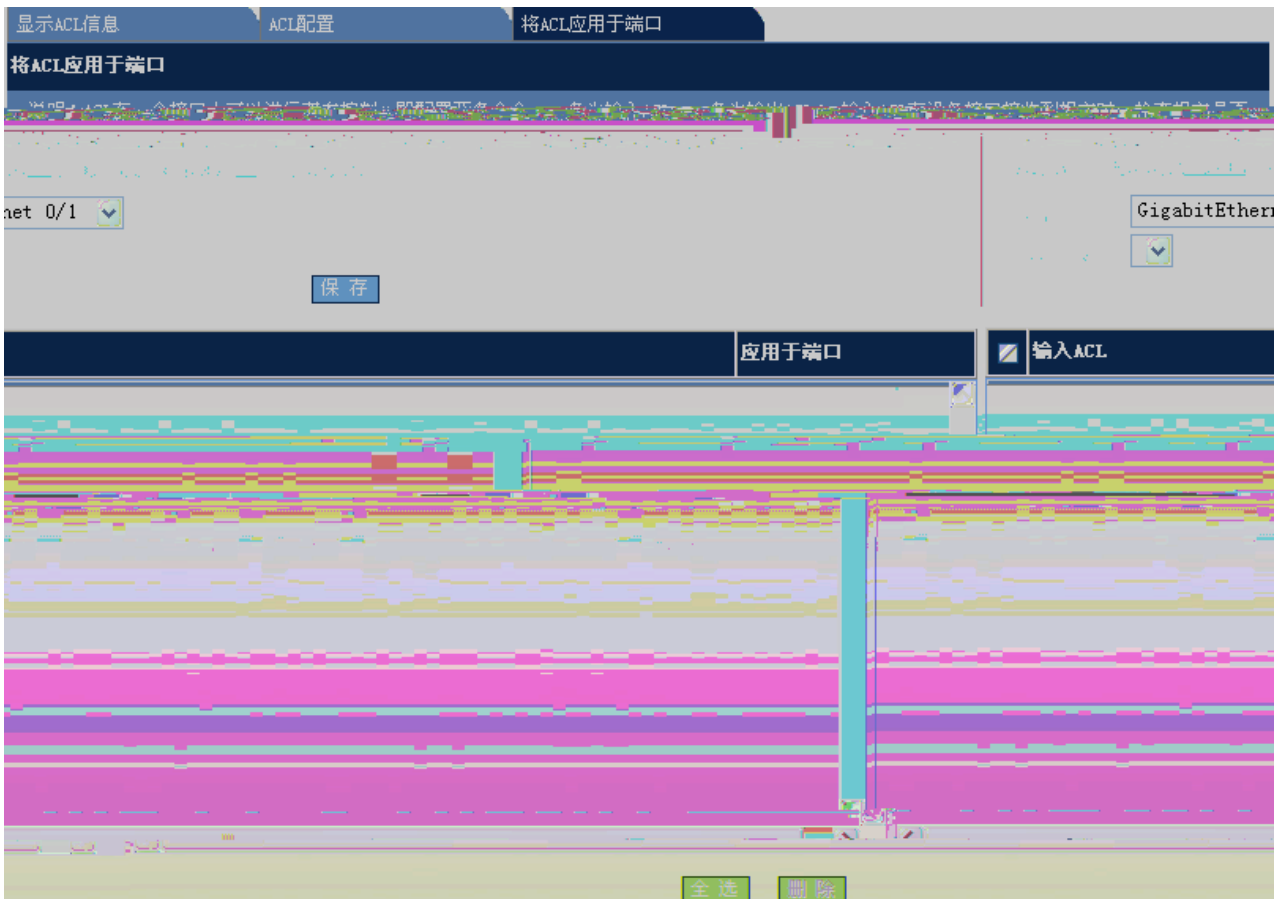
IP

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



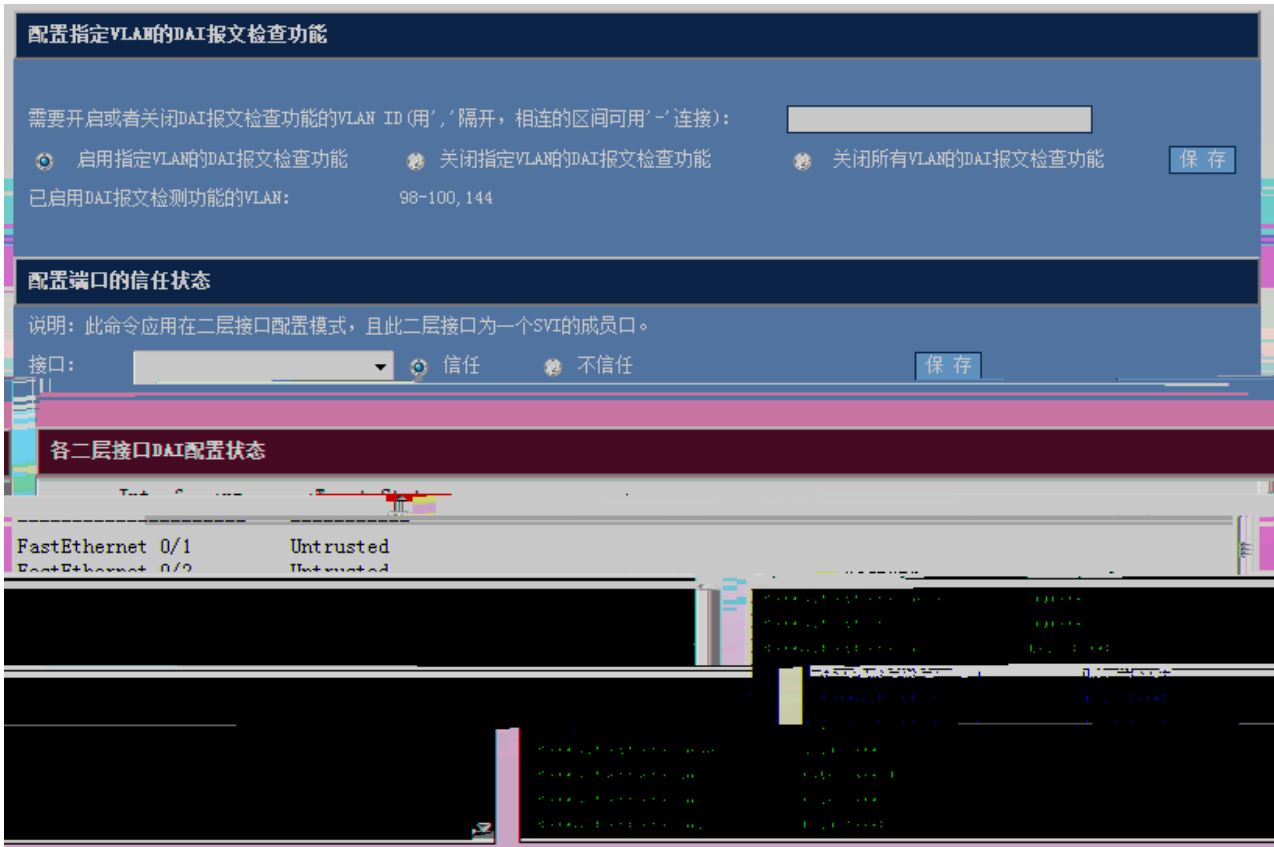
1.6.6 DAI

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

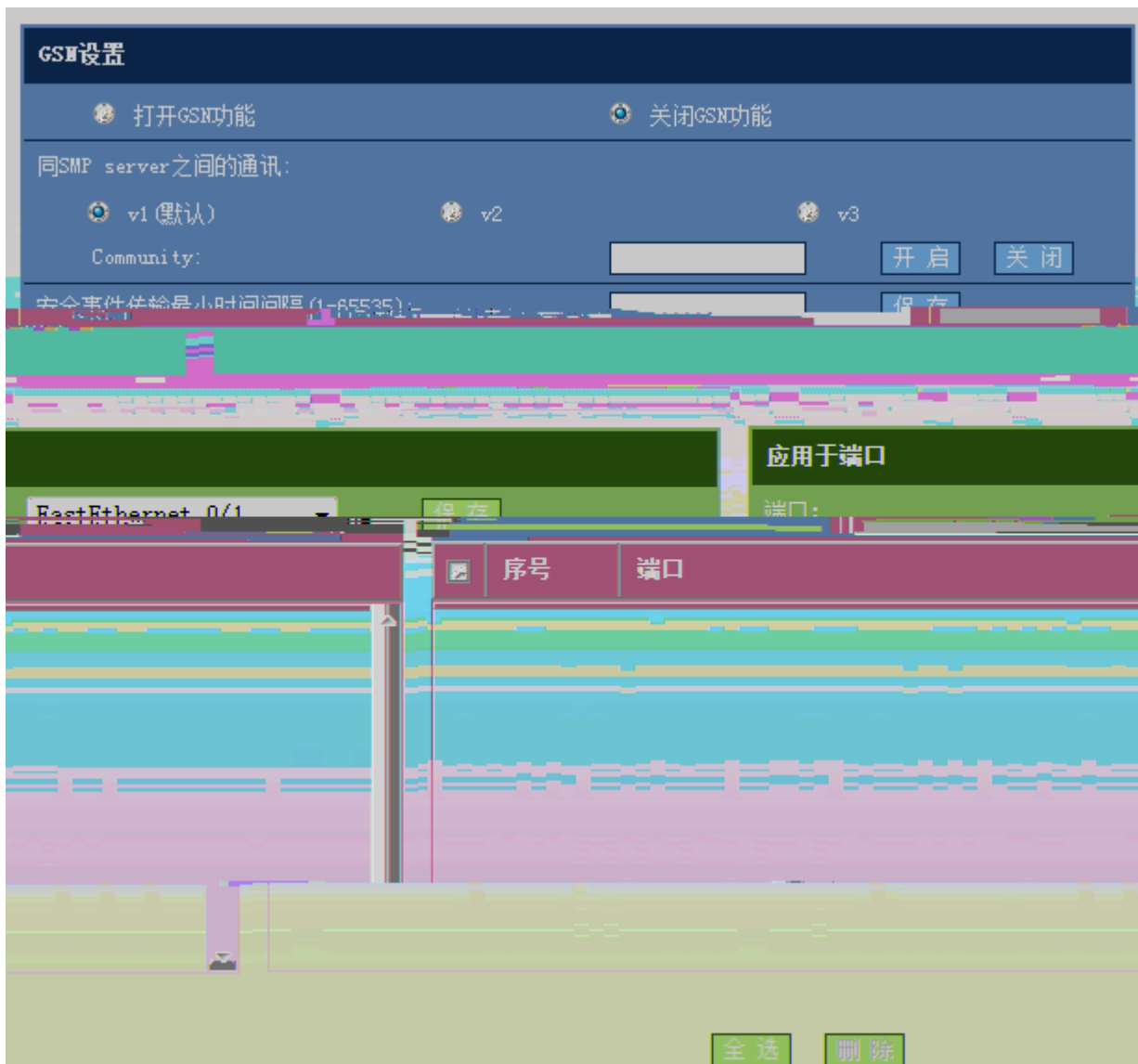
DAI

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

Type	Precedence	Priority	
ip-guard	180	7	
dot1x	2000	4	
rldp	180	7	
	180	7	resp
	180	7	erps
	180	7	hodu
tunnel-bpdu	180	6	
ipv4-icap-local	1600	6	
lldp	180	5	
lldp_cdp	180	5	
cfn-pdu	180	3	

/ /

/ /

1-53

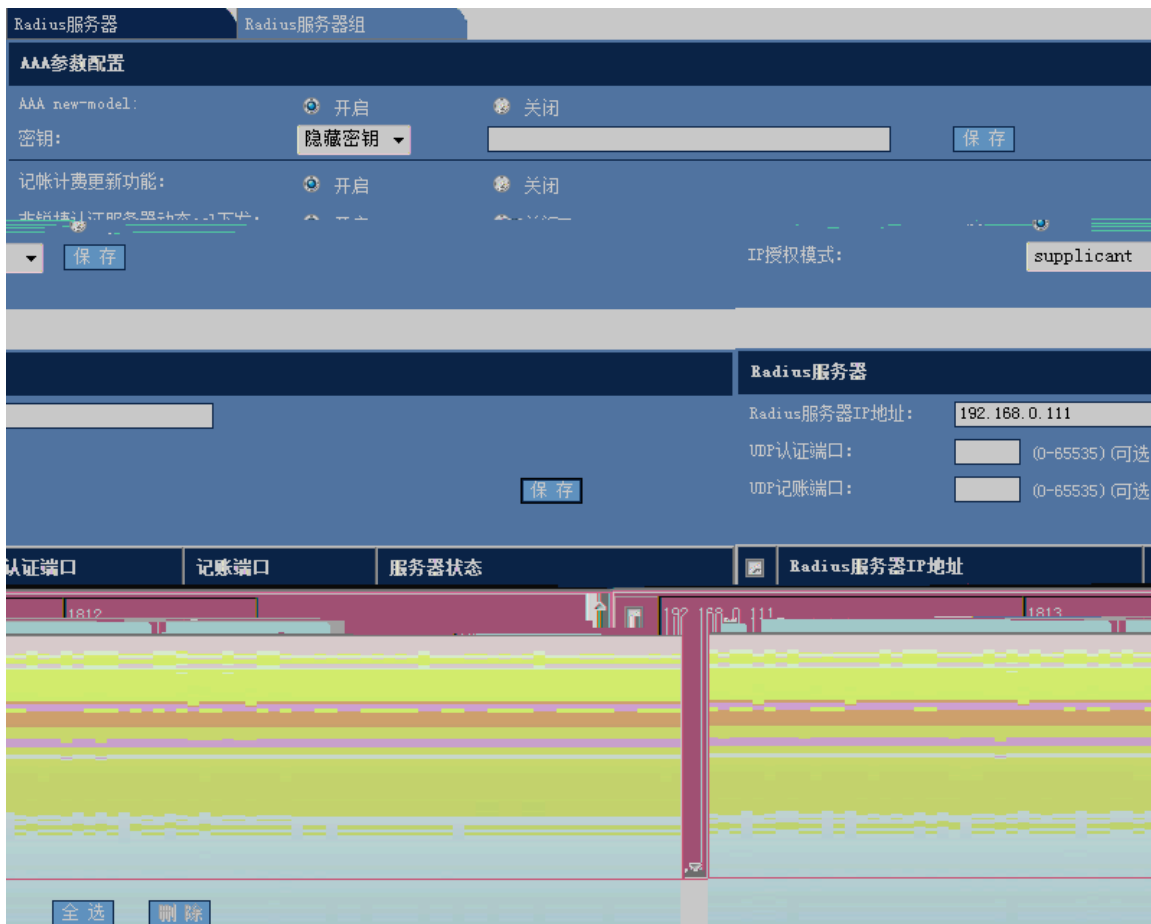
/ /

1.6.9 RADIUS

RADIUS

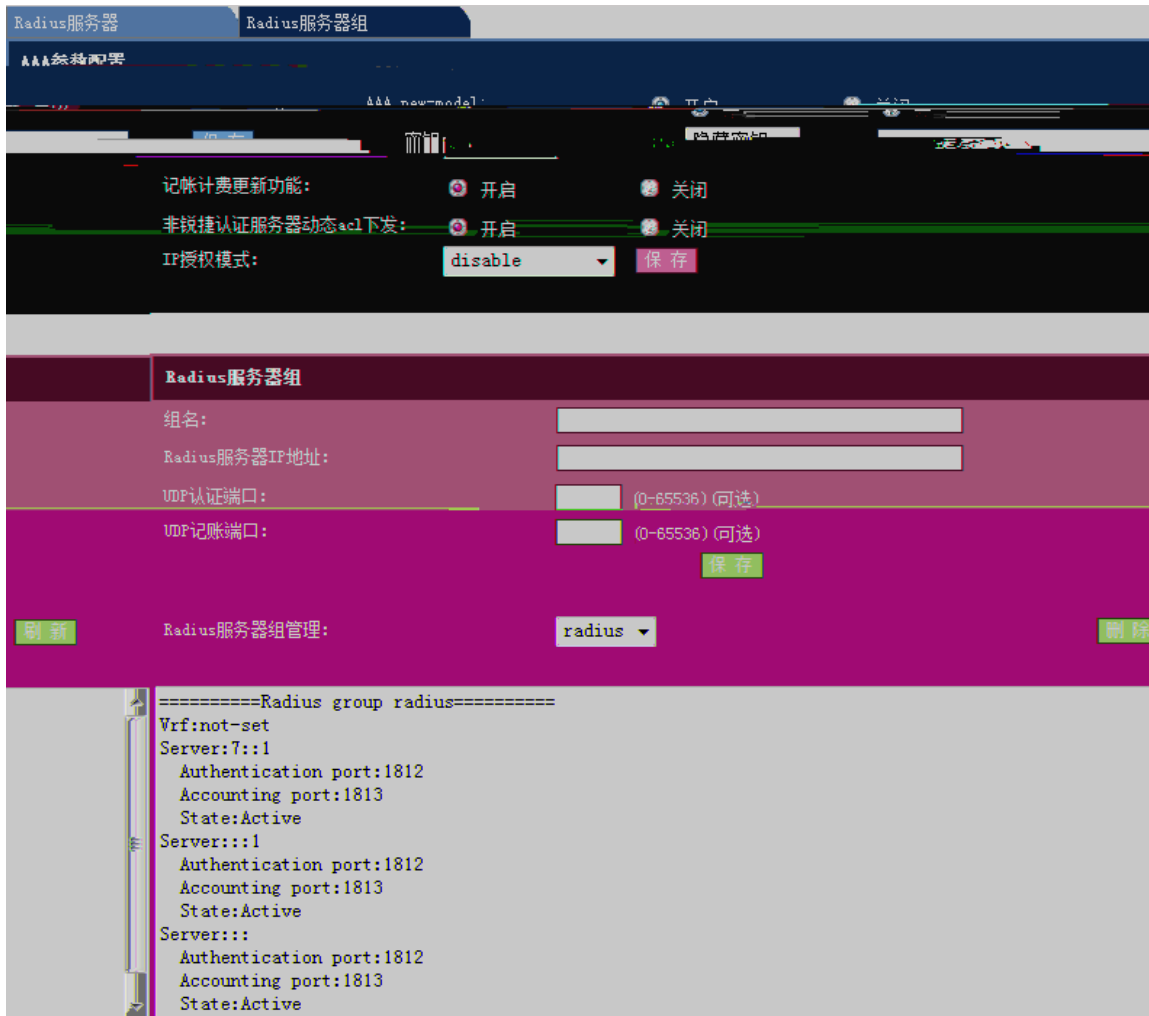
RADIUS

1-54 RADIUS



RADIUS





RADIUS IP

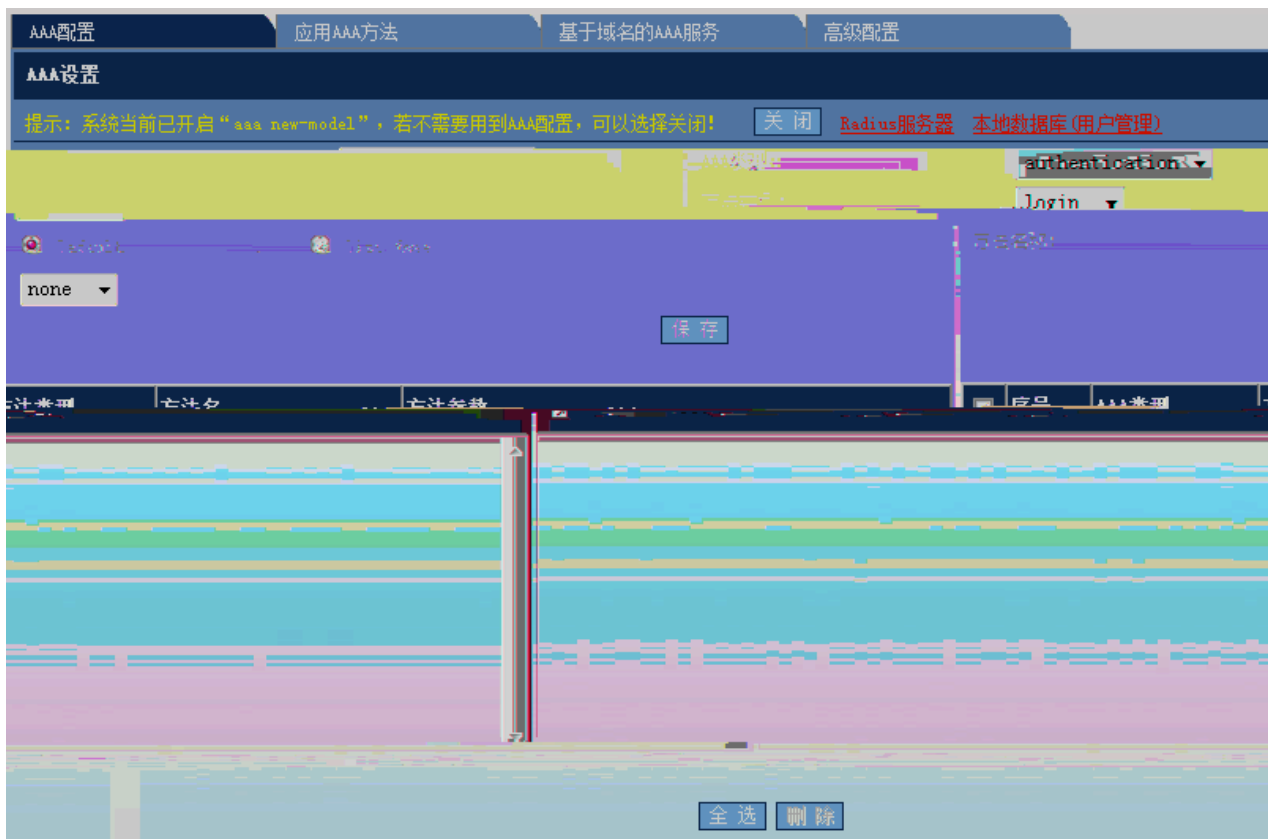
Radius

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配置 应用AAA方法 **基于域名的AAA服务** 高级配置

基于域名的AAA服务

基于域名的AAA服务

域名: Default Domain Name

AAA认证方法: default

AAA授权方法 (network): default

记账方法 (network): default

用户名是否携带域名信息: without-domain

Access Limit: 2

保存

删除

```

AAA Domain:
=====Domain default=====
State: Block
Username format: With-domain
Access limit: 2
802.1X Access statistic: 0

Selected method list:
authentication dot1x default
authentication ppp default
authorization network default
    
```

AAA

Dot1x

PPP

(network)

(network)

Access Limit

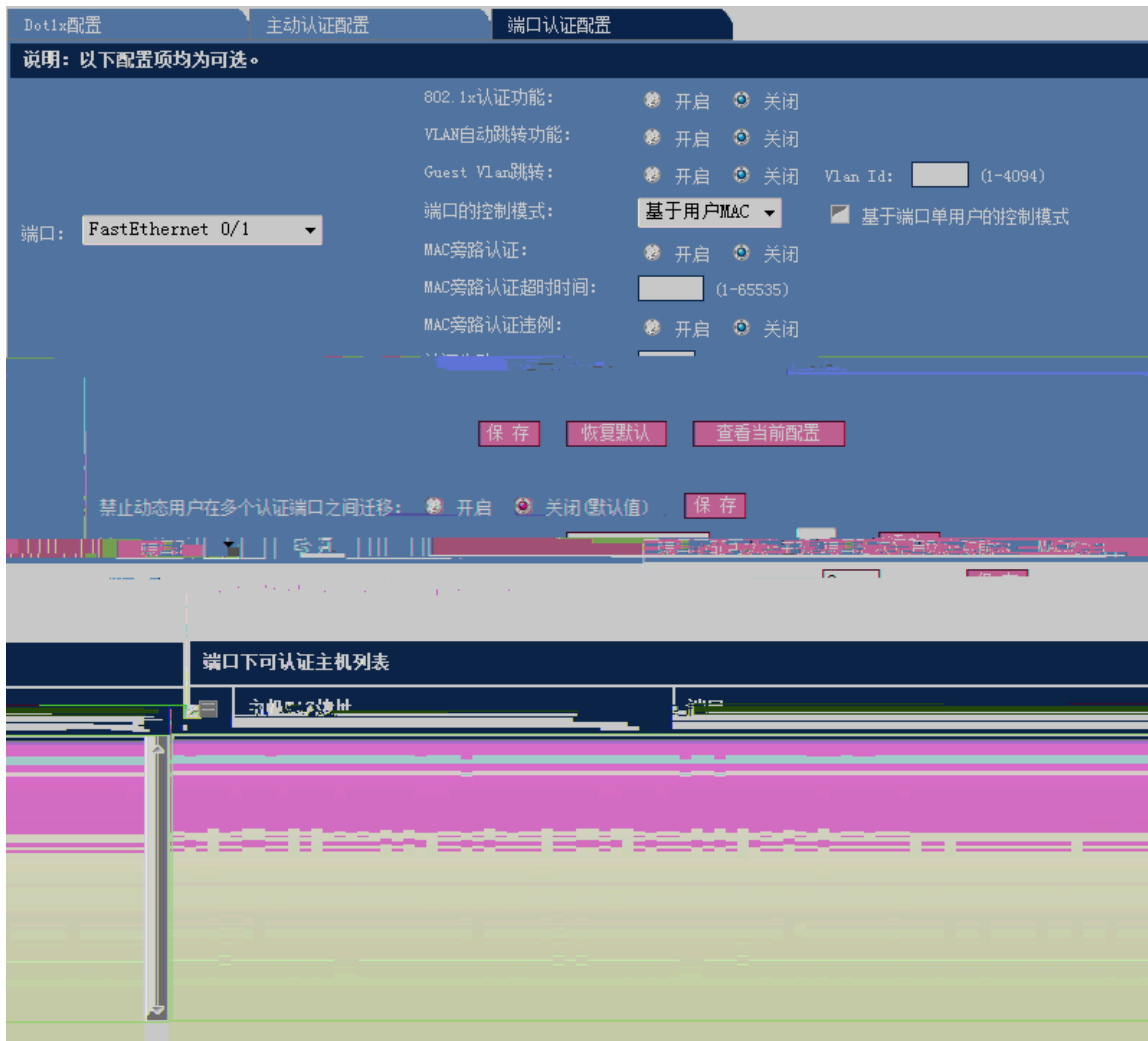
AAA Domain

Dot1x

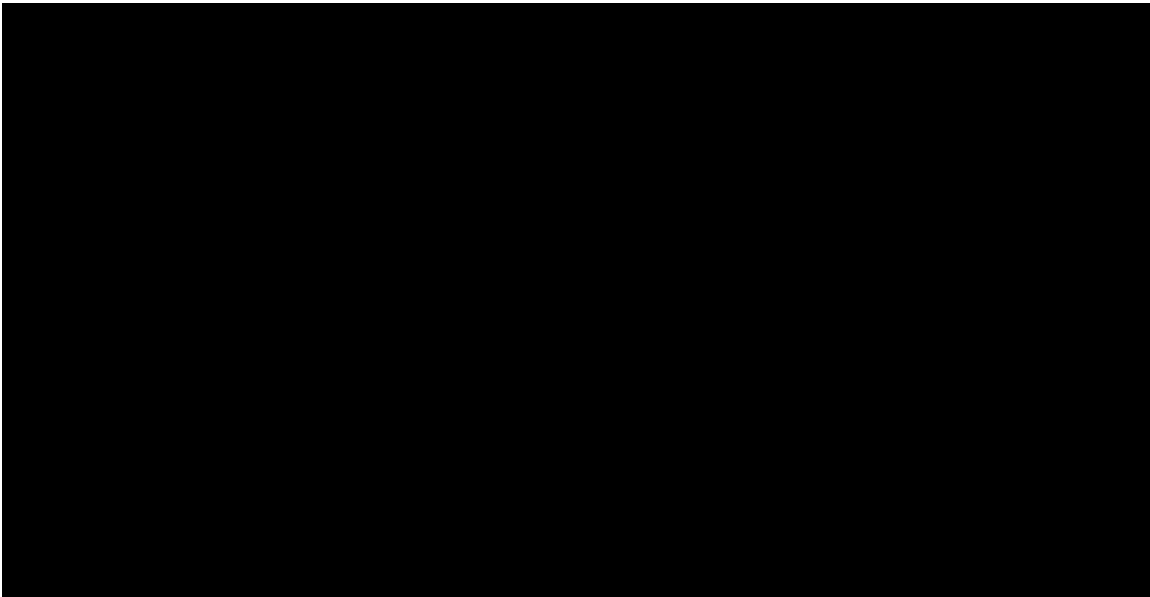
1-61

1-62

1



Dot1x



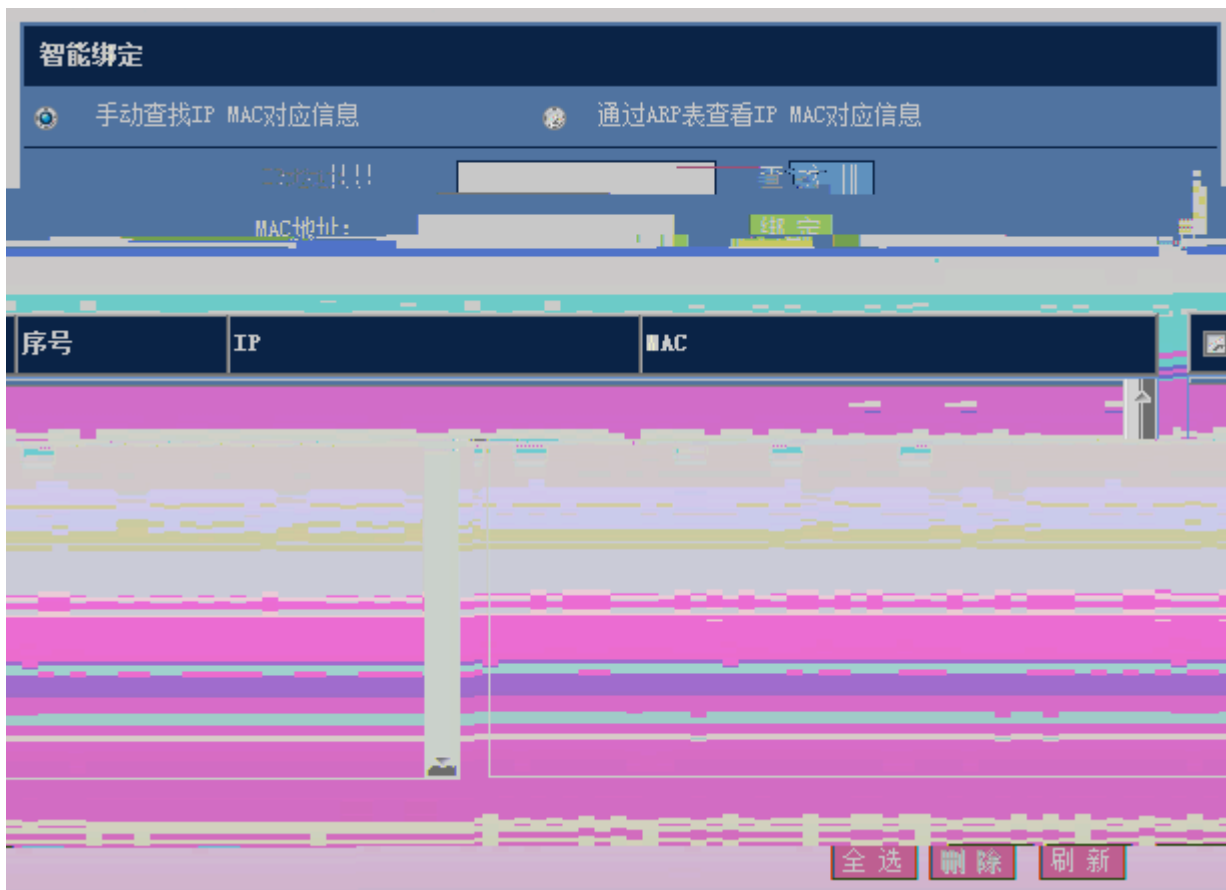
802.1x

MAC

VLAN

1.6.12

1-64



IP MAC

IP MAC MAC

ARP IP MAC

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
重定向的IP地址: <input type="text" value="0.0.0.0"/>				
认证页面URL: <input type="text"/>				
重定向端口 (最多可以配置10个, 中间使用英文逗号分开): <input type="text" value="80"/>				
未认证用户的最大HTTP会话数 (0-255, 可选): <input type="text" value="255"/> 每个端口下 (1-65535, 可选): <input type="text"/>				
维持重定向连接的超时时间 (1-10秒, 可选): <input type="text" value="3"/>				
<input type="button" value="保存"/>				
设备与认证服务器之间的通信密钥: <input type="text"/> <input type="button" value="恢复默认"/> <input type="button" value="保存"/>				
提示: 多个Vlan之间使用英文逗号分开, 相连Vlan之间可以用“-”连接				
线用户信息的更新时间间隔 (30-3600秒): <input type="text" value="60"/> <input type="button" value="恢复默认"/>				
<input type="button" value="保存"/>				
Vlan List: <input type="text"/> <input type="button" value="保存"/>				

web IP URL HTTP (0-255)
 Web IP
 SNMP-Inform , , Vlan List
 80

1-67

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

序号	端口	IP Only Mode
1	FastEthernet 0/1	YES
2	FastEthernet 0/3	YES

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 checked="" type="checkbox"/> 端口	信任端口

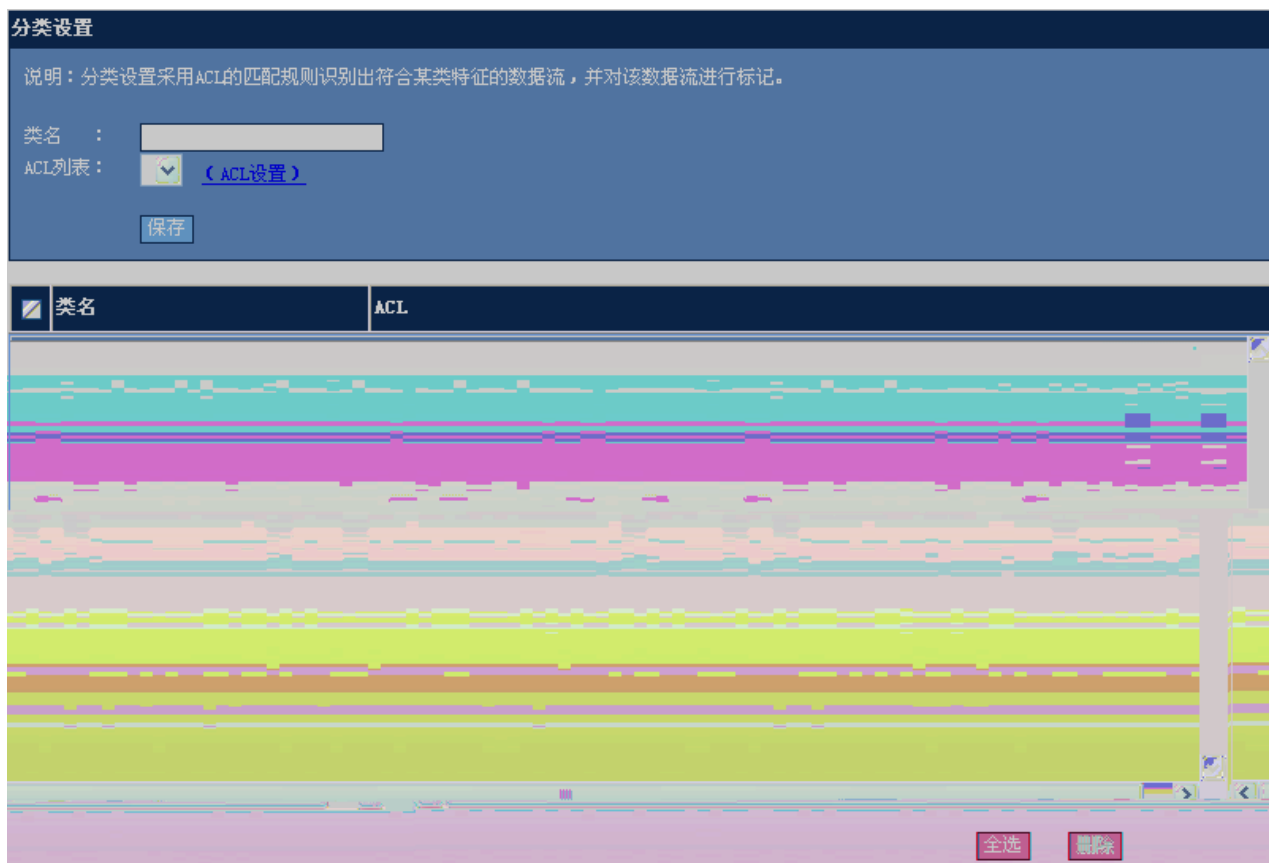
DHCP Snooping

DHCP Snooping DHCP Snooping MAC
DHCP Snooping

1.7 QOS

1.7.1

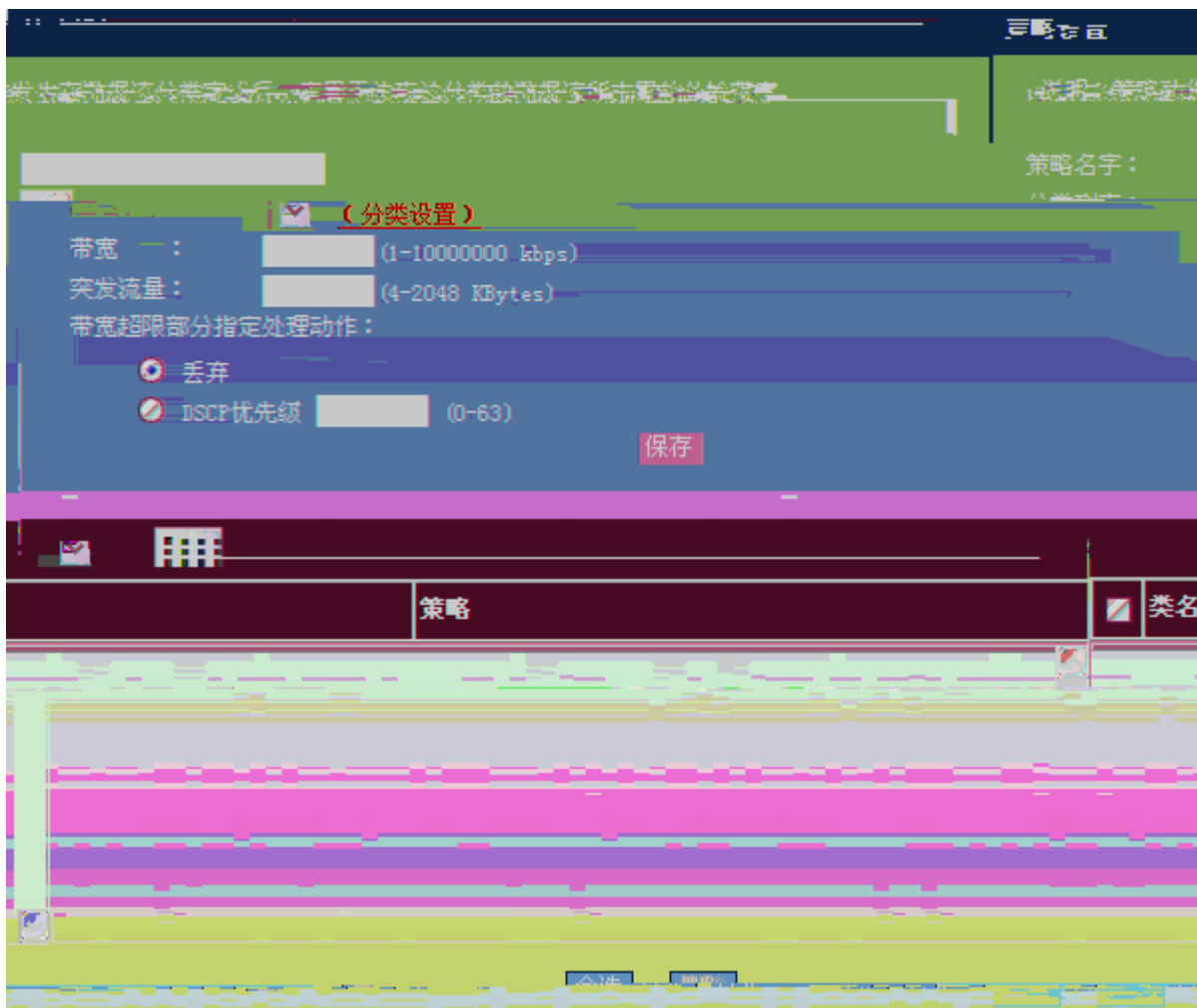
1-72



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：

策略列表：

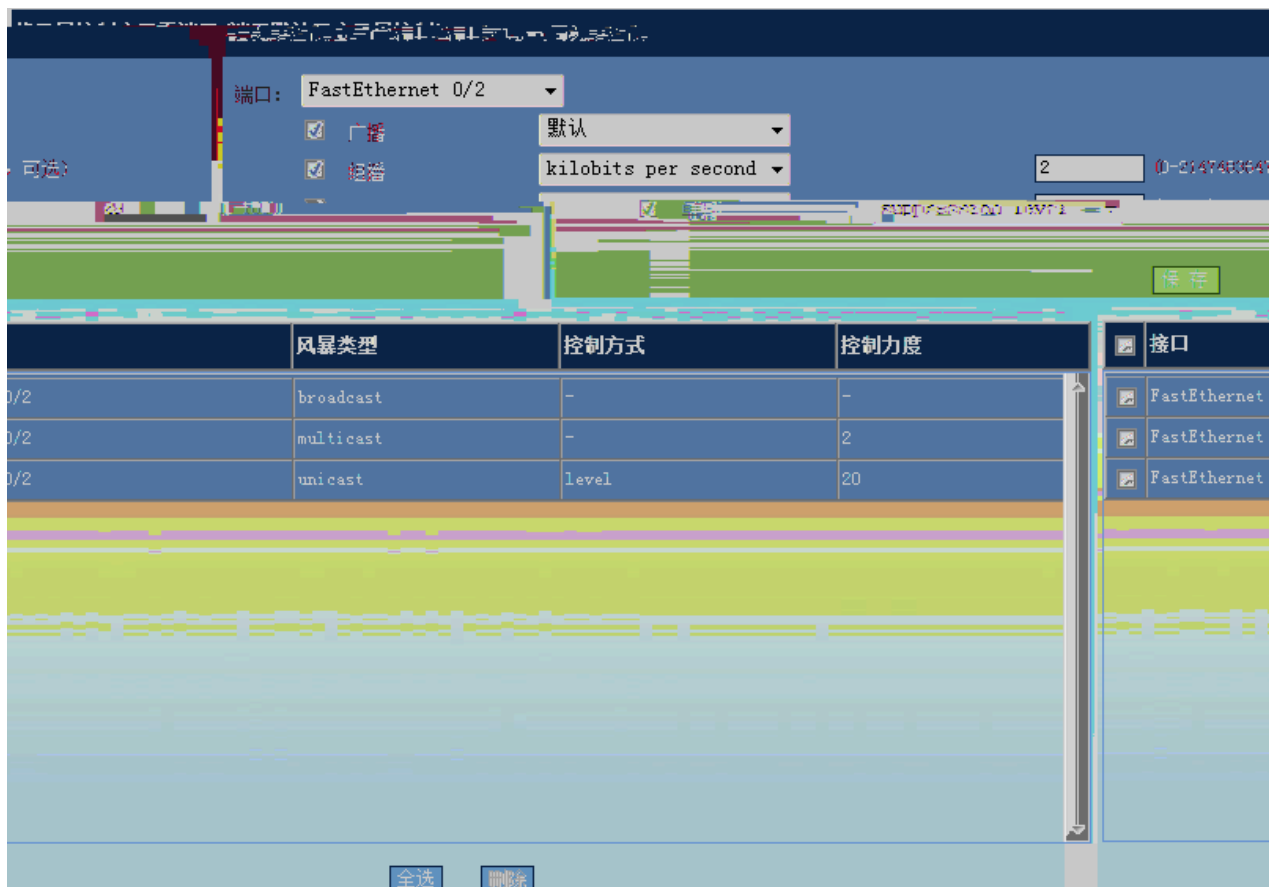
限速方向： 输入限速 输出限速

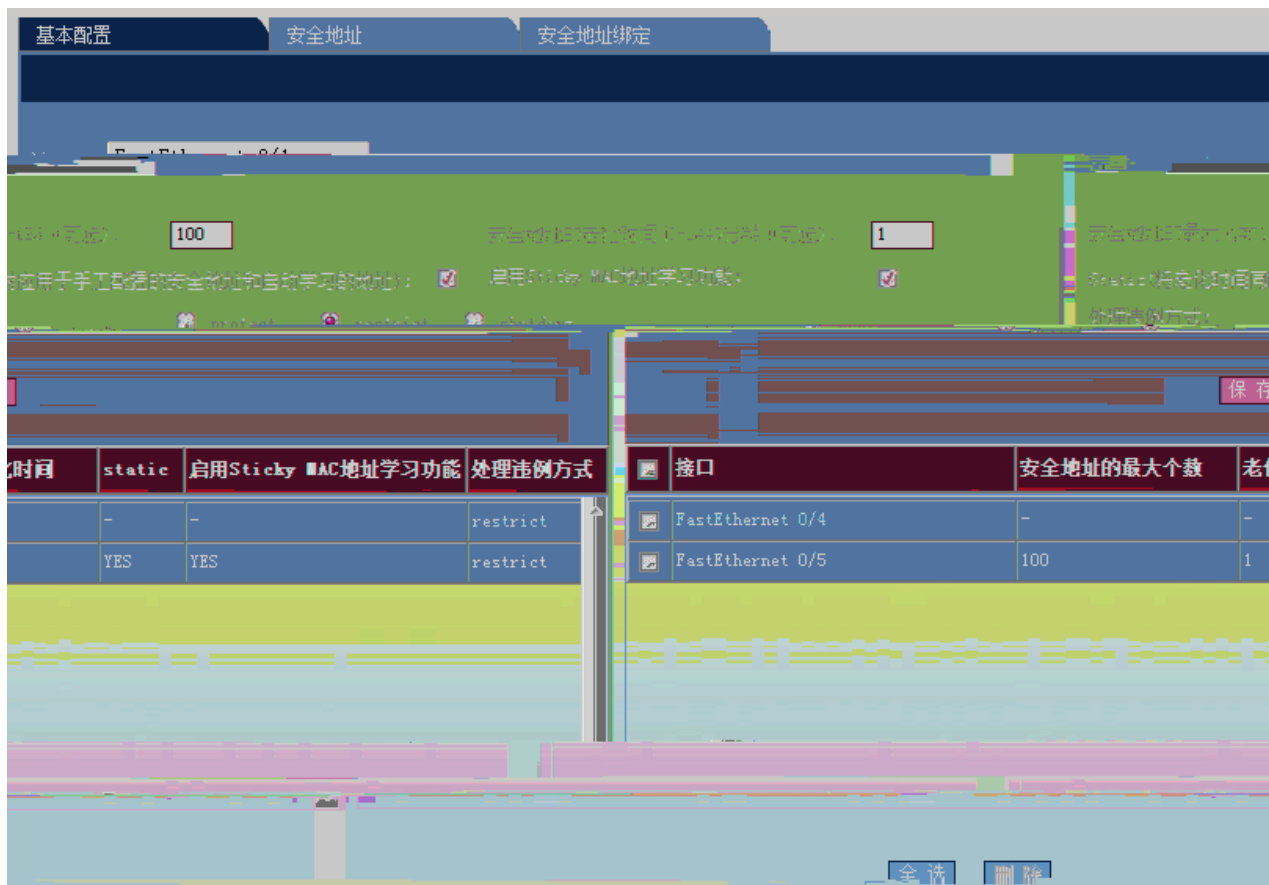
<input checked="" type="checkbox"/>	端口	方向	策略名	信任模式	COS
<input checked="" type="checkbox"/>	FastEthernet 0/1	-	-	-	-
<input checked="" type="checkbox"/>	FastEthernet 0/2	-	-	-	-
<input checked="" type="checkbox"/>	FastEthernet 0/3	-	-	-	-
<input checked="" type="checkbox"/>	FastEthernet 0/4	-	-	-	-
<input 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	-	-	-	-

1.7.4

1.75

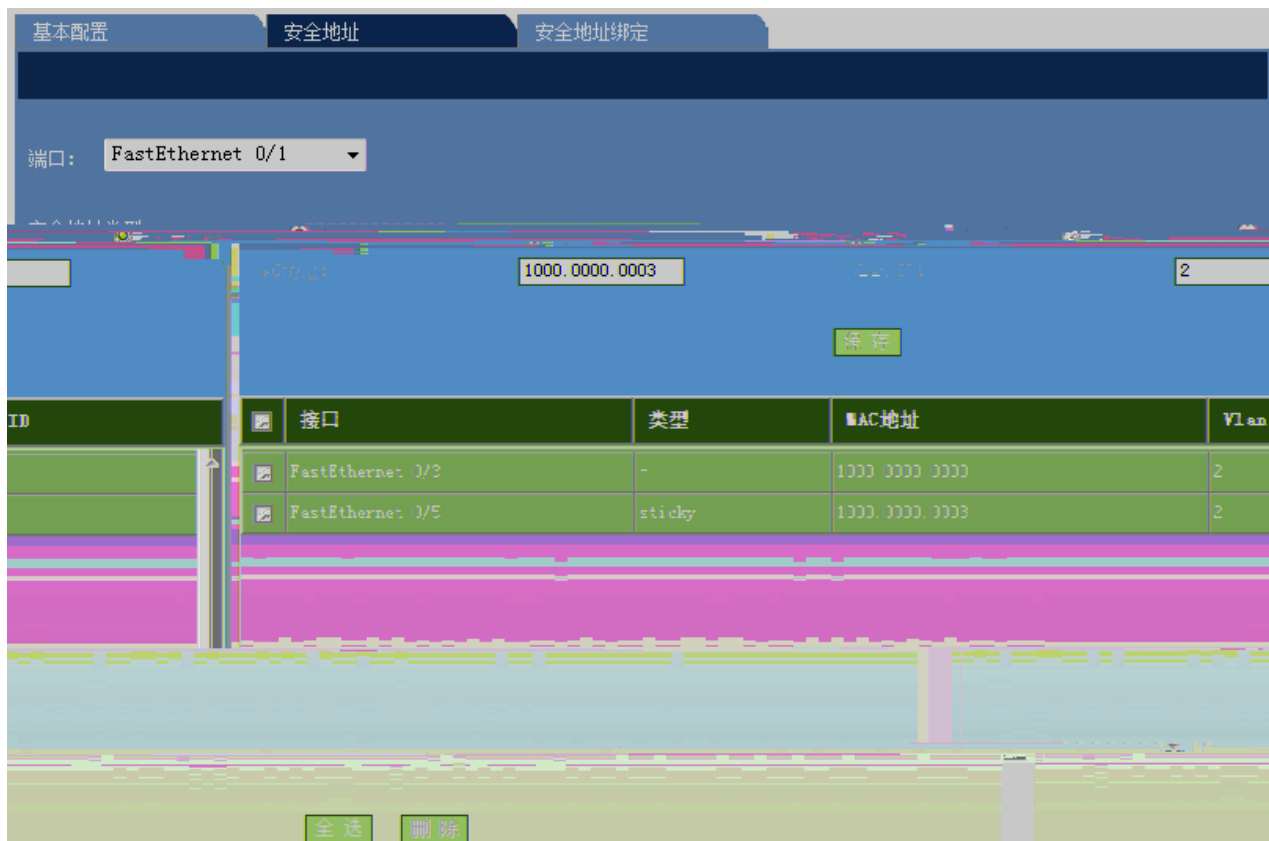
1-75





Static Sticky Mac

1-77



Mac VLAN ID

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):

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
<input checked="" type="checkbox"/> FastEthernet 0/1	1000.0000.0000	10	1.2.3.3

IP MAC Vlan

Mac VLAN ID

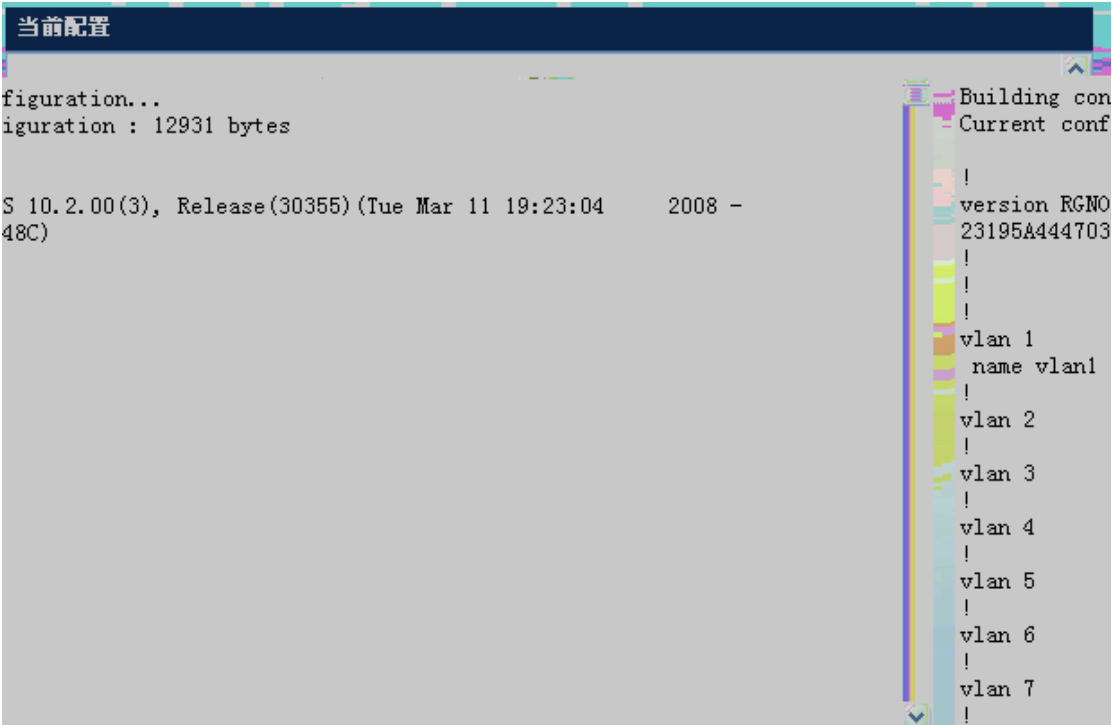
1.8

1.8.1

1-79

1.8.2

1-80



The screenshot shows a network configuration interface. At the top, there is a dark blue header with the text "当前配置" (Current Configuration). Below the header, the main content area displays the following text:

```
figuration...  
figuration : 12931 bytes  
  
S 10.2.00(3), Release(30355) (Tue Mar 11 19:23:04 2008 -  
48C)
```

On the right side of the interface, there is a vertical tree view showing the configuration structure. The tree view includes the following items:

- Building con
- Current conf
- !
- version RGNO
- 23195A444703
- !
- !
- 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

1.9.2

1-88

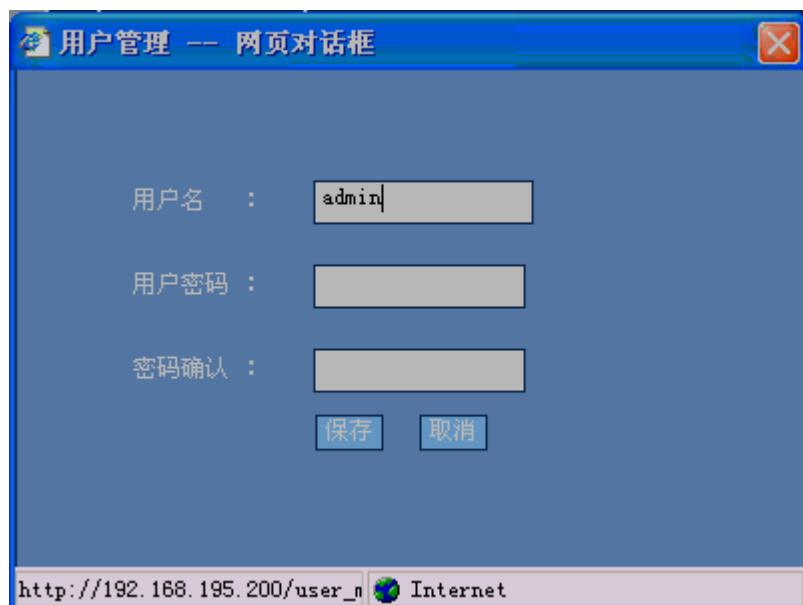


The image shows a web browser window with a blue title bar. The title bar contains the text "用户管理 -- 网页对话框" (User Management -- Web Dialog Box) and a close button. The main content area has a blue background and contains three input fields for user information:

- 用户名 : [input field]
- 用户密码 : [input field]
- 密码确认 : [input field]

Below the input fields are two buttons: "保存" (Save) and "取消" (Cancel). At the bottom of the dialog, there is a status bar with the URL "http://192.168.195.200/user_m" and an "Internet" icon.

1-89



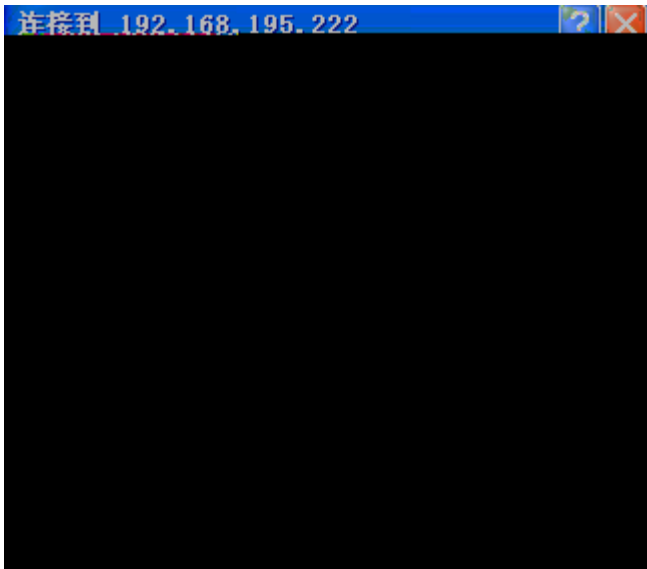
a

1.9.4

Enable

Enable

1-91



Telnet

Telnet

1.9.5 /

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

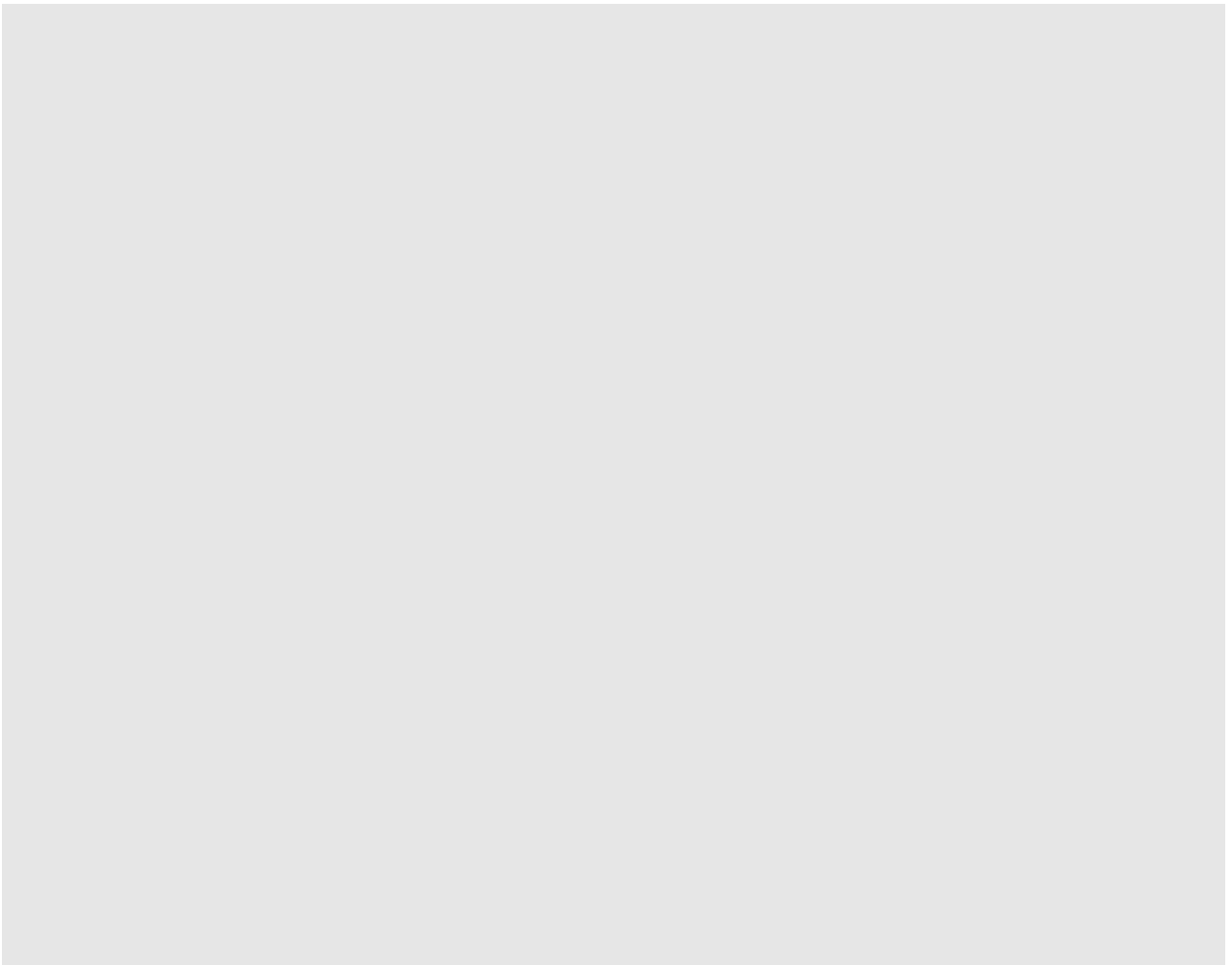
WEB

Enable

Enable

IP

Local



Enable

