2

4008-111-000
http://www.ruijie.com.cn

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

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

8:30 6

前

RGOS®10.4 (3b16)

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{ x | y | ... }

[x | y | ...]

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2.

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3.

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-WEB 南

WEB

1. WEB

1 WEB

1.1 WEB

WEB IE

WEB WEB WEB WEB
WEB WEB IE

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 leBleB **WEB**

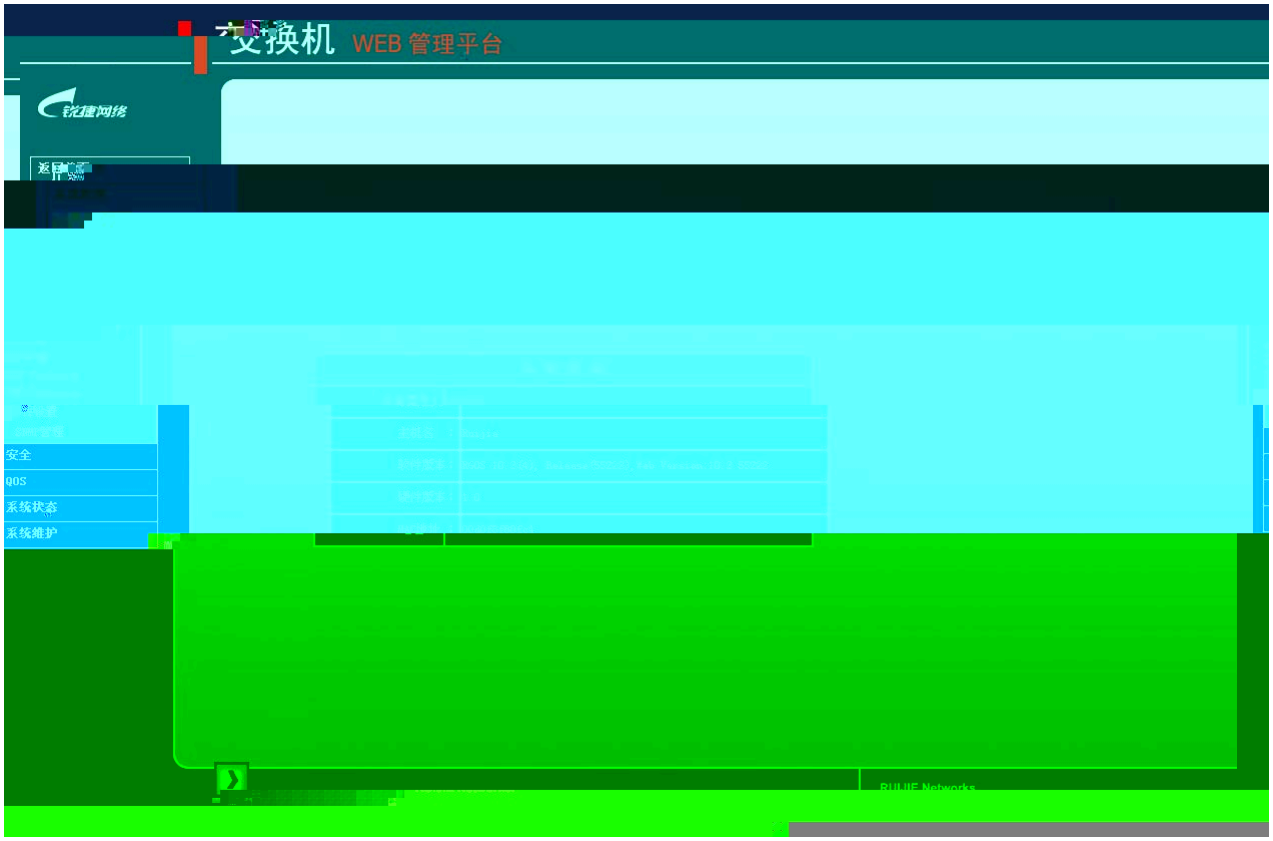
1-1

“ ”

1-2

WEB

1-3 WEB



1.5

1.5.1 IP

“ IP ”

IP

1-4 IP

VLAN

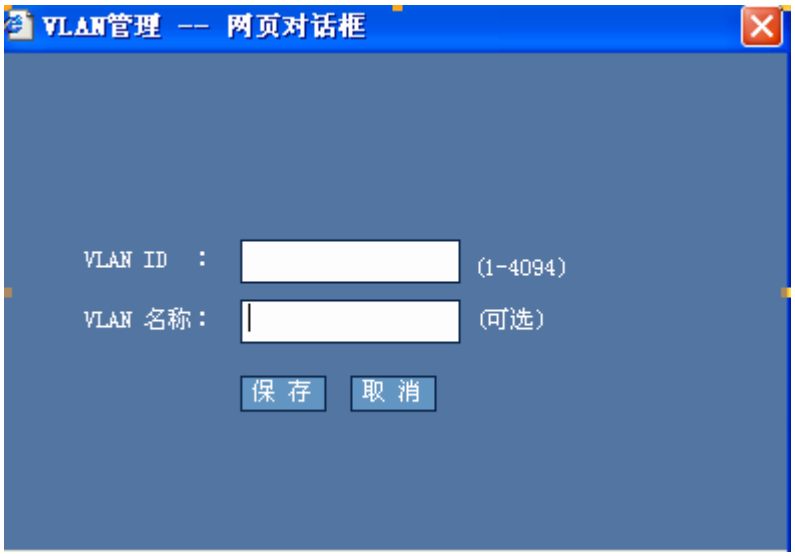
1-6 VLAN

VLAN

VLAN VLAN VLAN

“ ”

1-7 VLAN

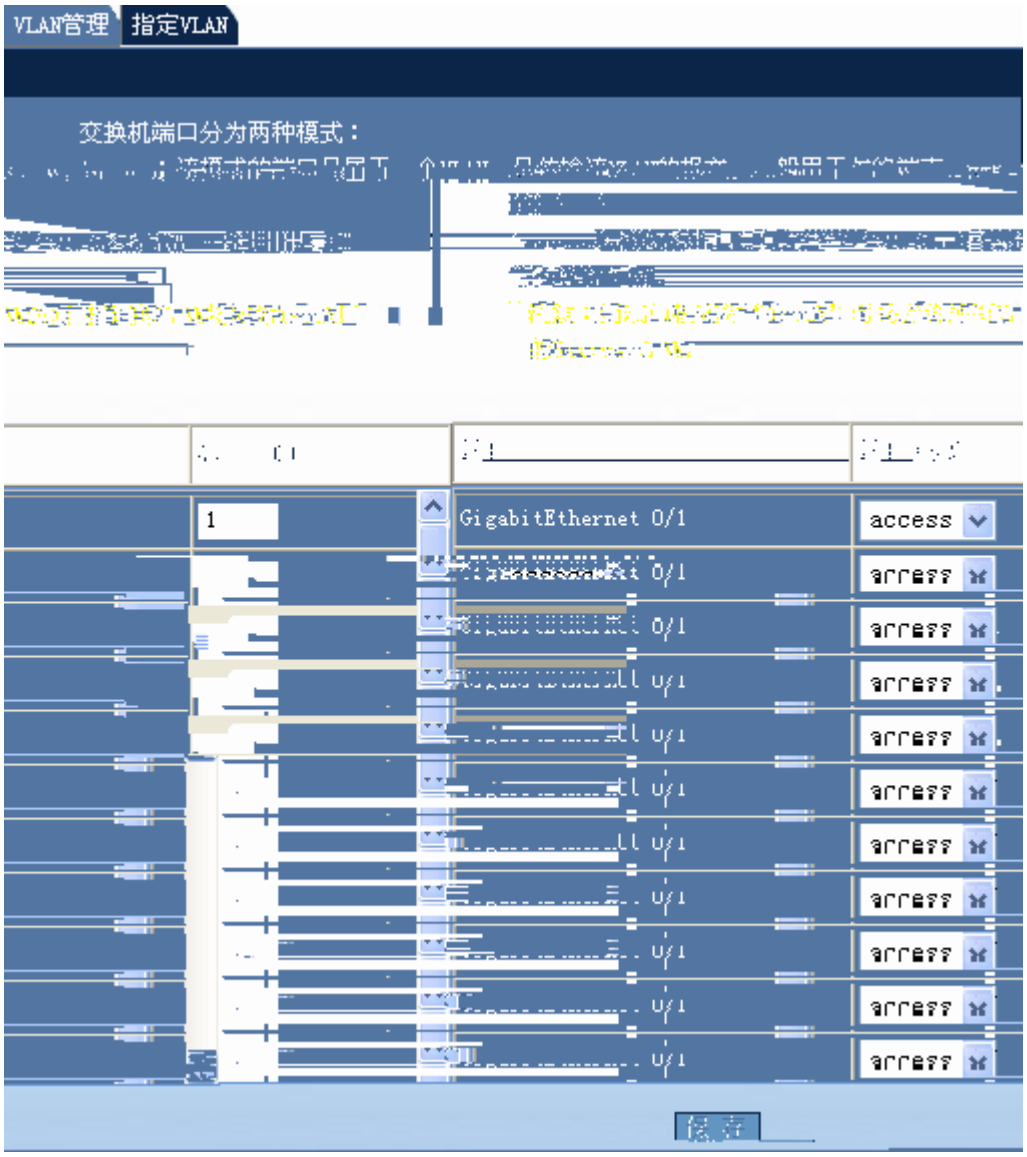


VLAN ID VLAN “ ” VLAN VLAN

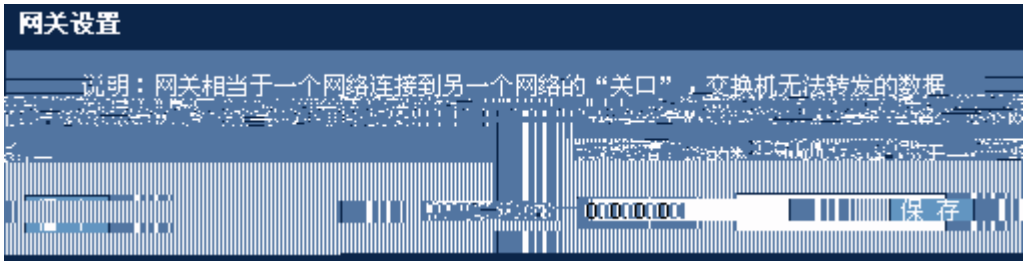
VLAN “ ”

VLAN “ ”

1-8



VLAN ID “ ”



IP

IP “ ”

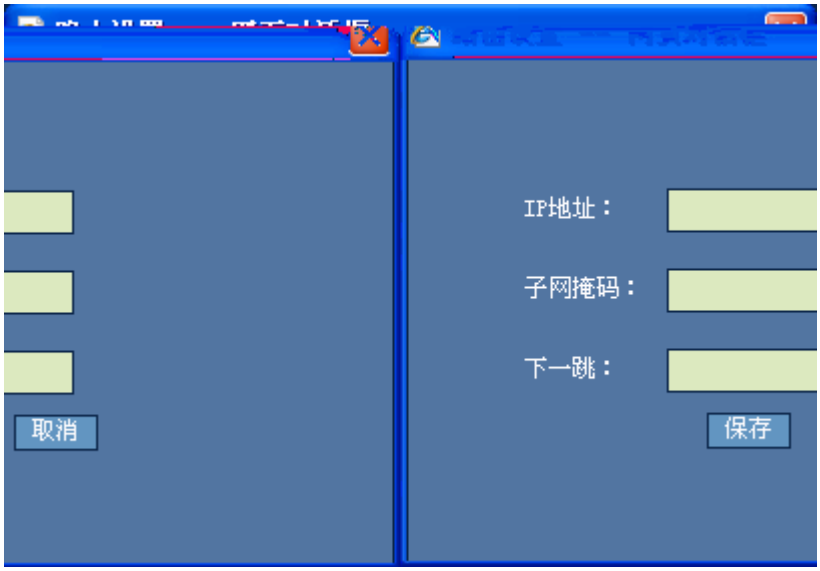
1.5.4

“ ”

1-11

“ ”

1-12



IP “ ”

“ ”

1.5.5

“ ”

1-13


端口镜像设置
注意：设置交换机的端口监控，监控端口与被监控端口不能是同一个端口。如果指定了同一端口，该端口将被配置成监控端口。
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
GigabitEthernet 0/16
GigabitEthernet 0/17
GigabitEthernet 0/18
GigabitEthernet 0/19
GigabitEthernet 0/20
GigabitEthernet 0/21
GigabitEthernet 0/22
GigabitEthernet 0/23
GigabitEthernet 0/24
所有数据
删除端口监控
保 存

“ ”

“ ”

1.5.6

“ ”

1-14


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
保 存
取消全部输出限速

“ ”

“ ”

1.5.7

“ ”

1-16


聚合端口设置
注意：若选择的算法为缺省算法，配置后将不显示！
流量平衡算法选择
保 存
Help
聚合端口
最多成员端口数
二层端口
模式
成员端口
新 建
全 选
删 除

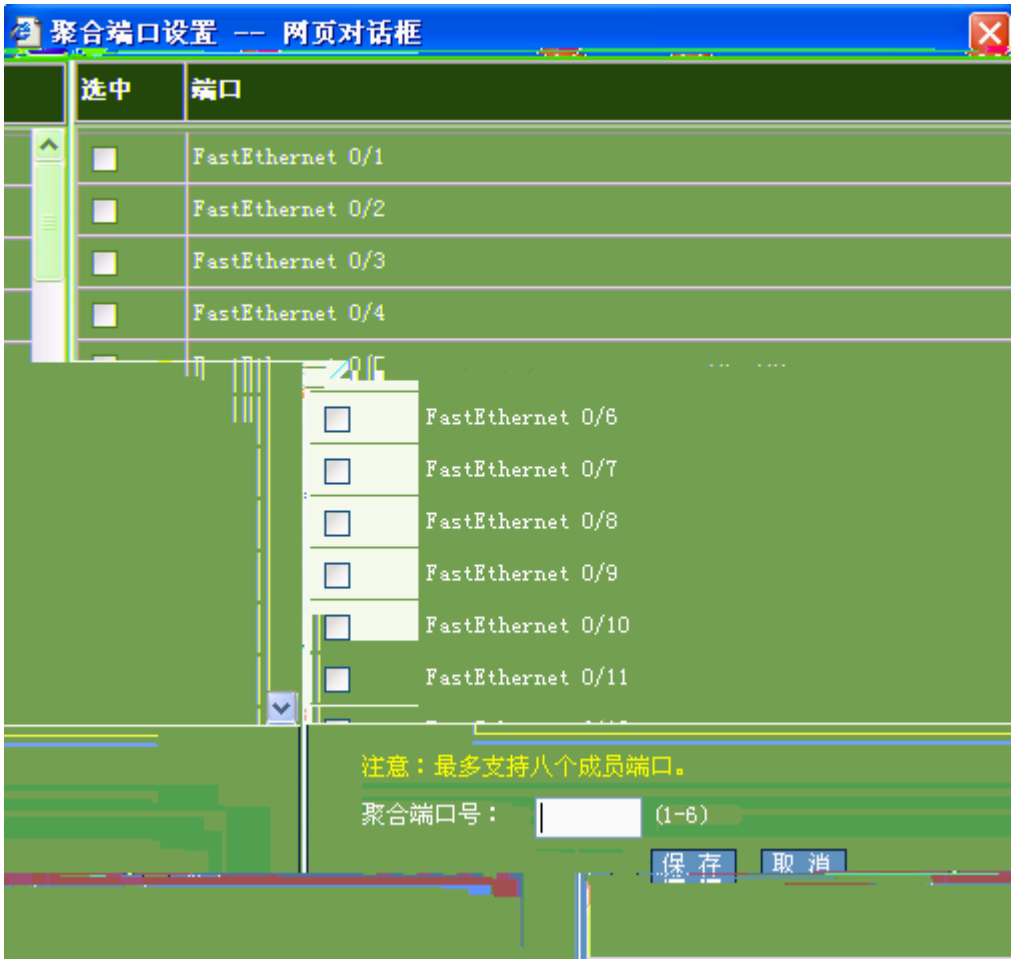
■

“ ”

■

“ ”

1-17


聚合端口设置 -- 网页对话框
选中
端口
FastEthernet 0/1
FastEthernet 0/2
FastEthernet 0/3
FastEthernet 0/4
FastEthernet 0/6
FastEthernet 0/7
FastEthernet 0/8
FastEthernet 0/9
FastEthernet 0/10
FastEthernet 0/11
注意：最多支持八个成员端口。
聚合端口号：
(1-6)
保 存
取 消

“ ”

■

“ ”

1.5.8

“ ”

1-18

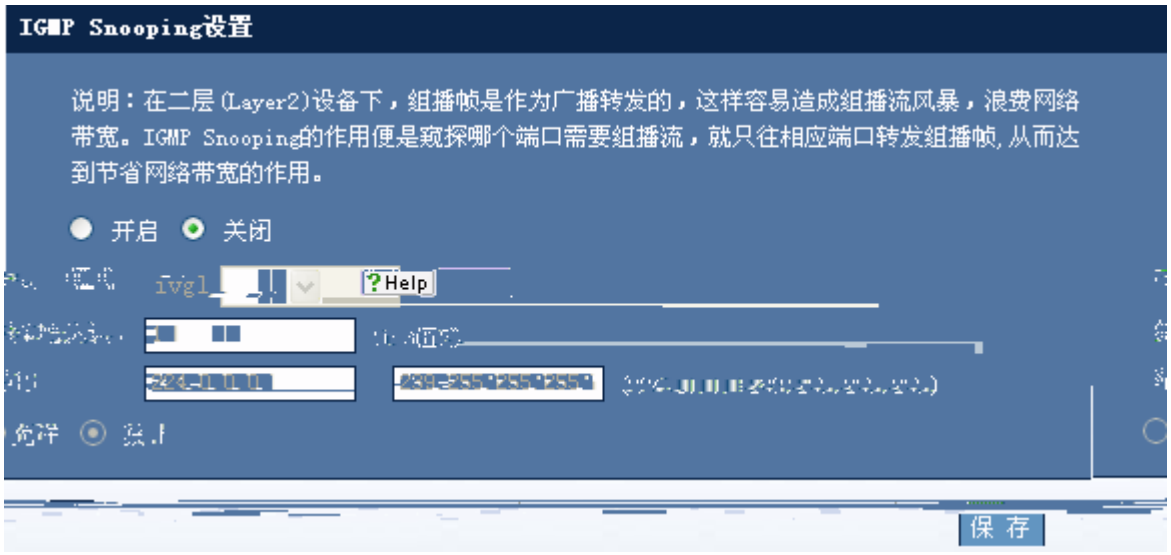
“ ”

1.5.9 DHCP

“ DHCP ”

DHCP

1-19 DHCP



IGMP Snooping “ ” ivgl svgl ivgl-svgl svgl ivgl-svgl IP “ ” IGMP Snooping “ ” “ ”

1.5.11 STP

“ STP ”

STP

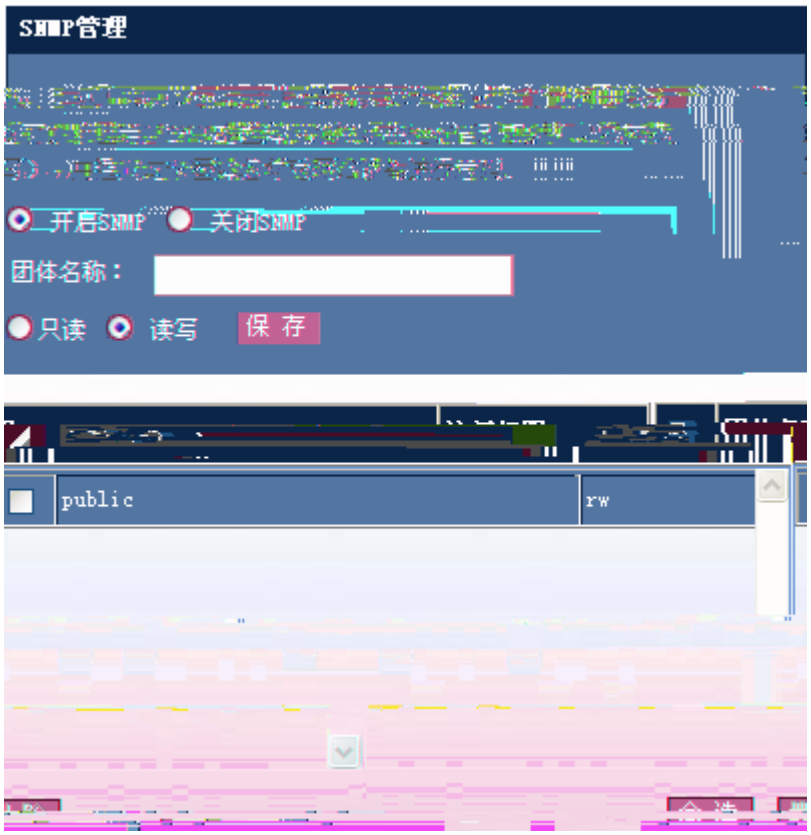
1-21 STP

“ STP ” “ ” STP MSTP MSTP
BPDU “ ”

MSTP MSTP VLAN -VLAN -VLAN

G6–€1xP0.}3Î° = MP |

SM? . ˜ í P



SNMP “ SNMP ”

“ ” SNMP “ SNMP ” “ ”

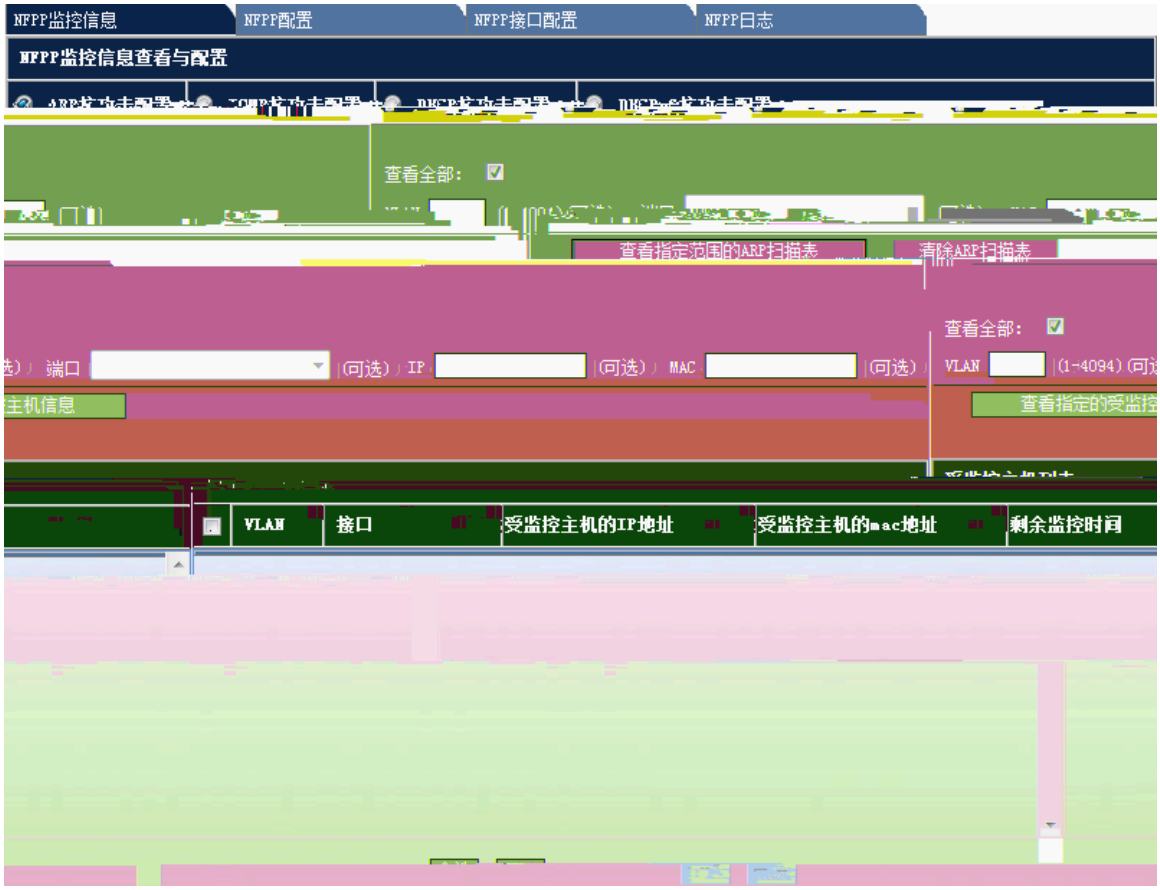
“ ”

1.5.13 NFPP

“ NFPP ”

NFPP

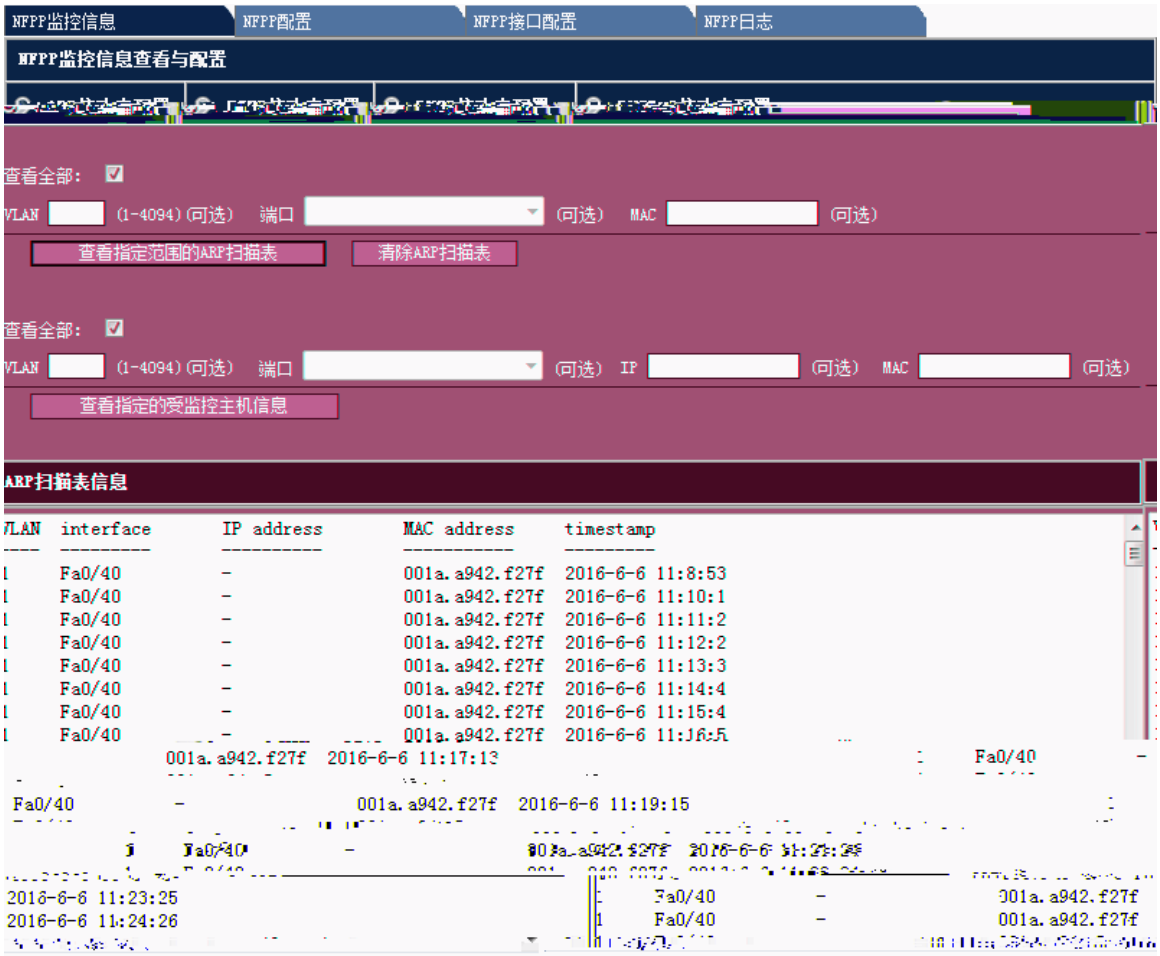
1-23 NFPP



NFPP

1) ARP

1-24 NFPP —ARP



ARP “ ARP ”

ARP “ ” ARP

“ ARP ” ARP “ ”

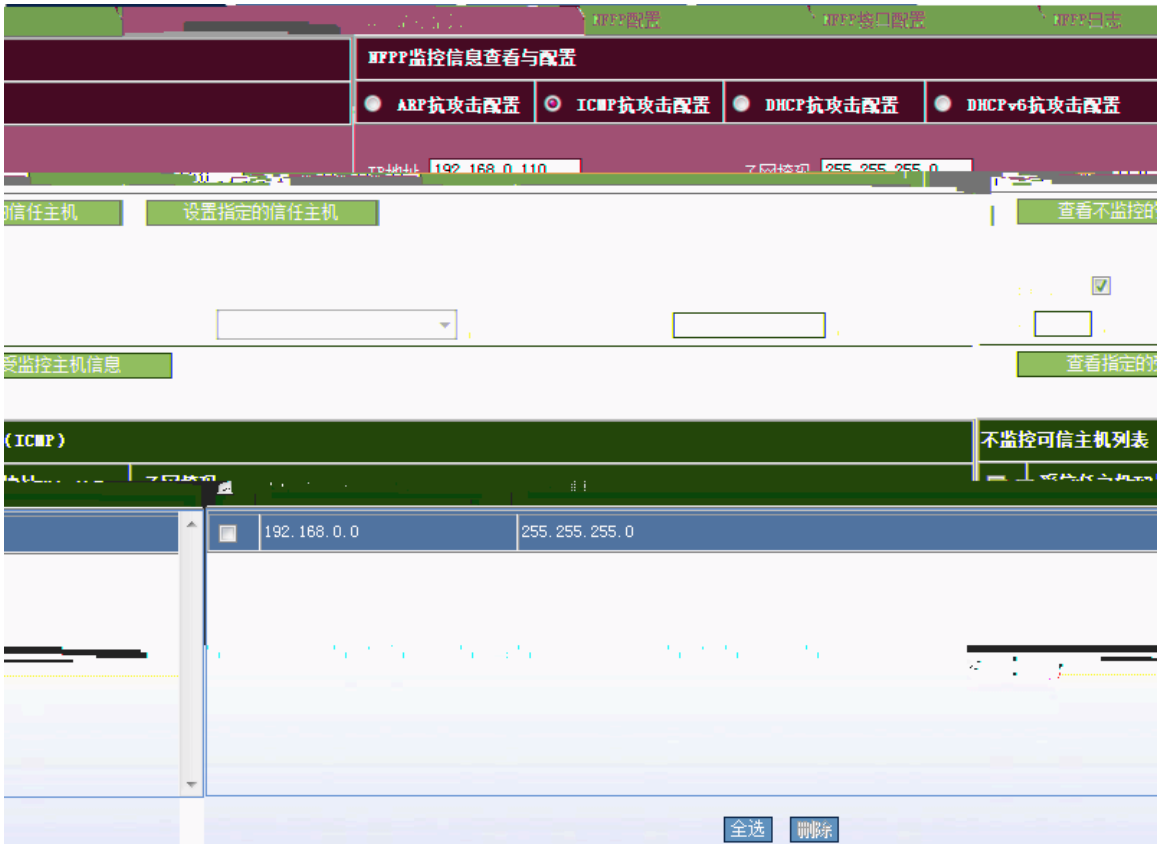
“ ”

“ ” “ ” “

”

2) ICMP

1-25 NFPP —ICMP



ICMP “ ”

IP “ ”

“ ” “

”

3) DHCP

1-26 NFPP —DHCP

DHCP “

” “ ”

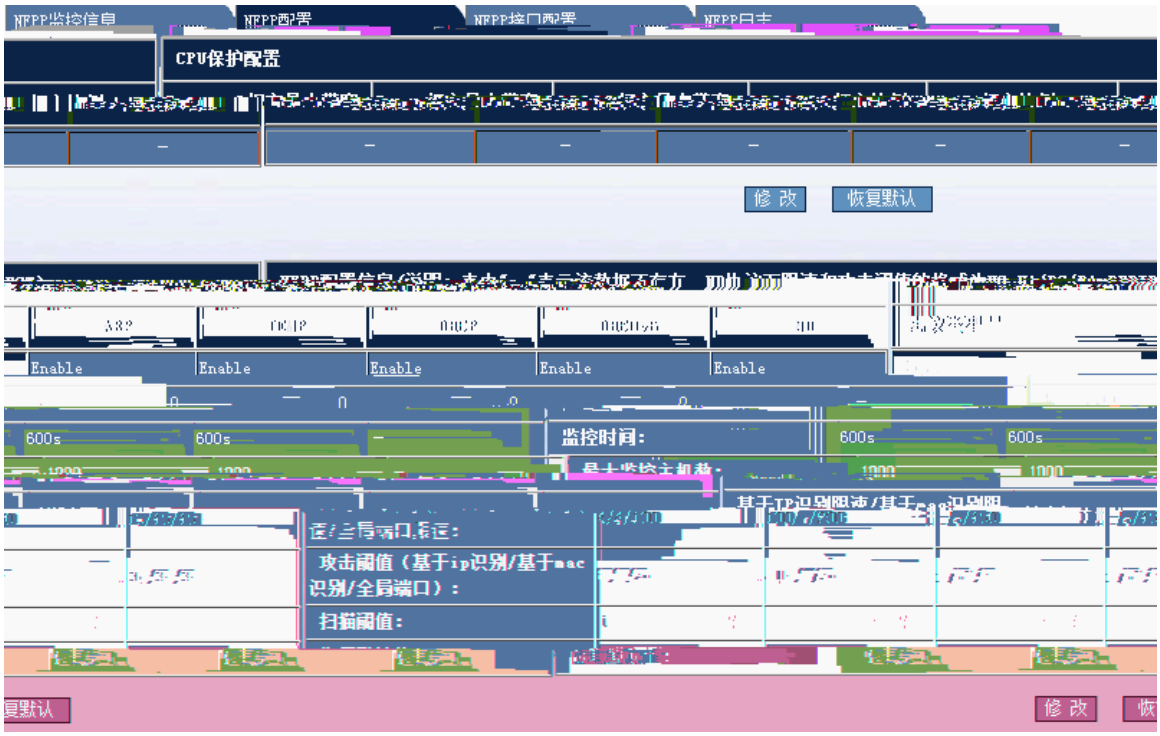
4) DHCPv6

1-27 NFPP —DHCPv6

DHCPv6 “ ” “ ”

NFPP

1-28 NFPP



1) CPU

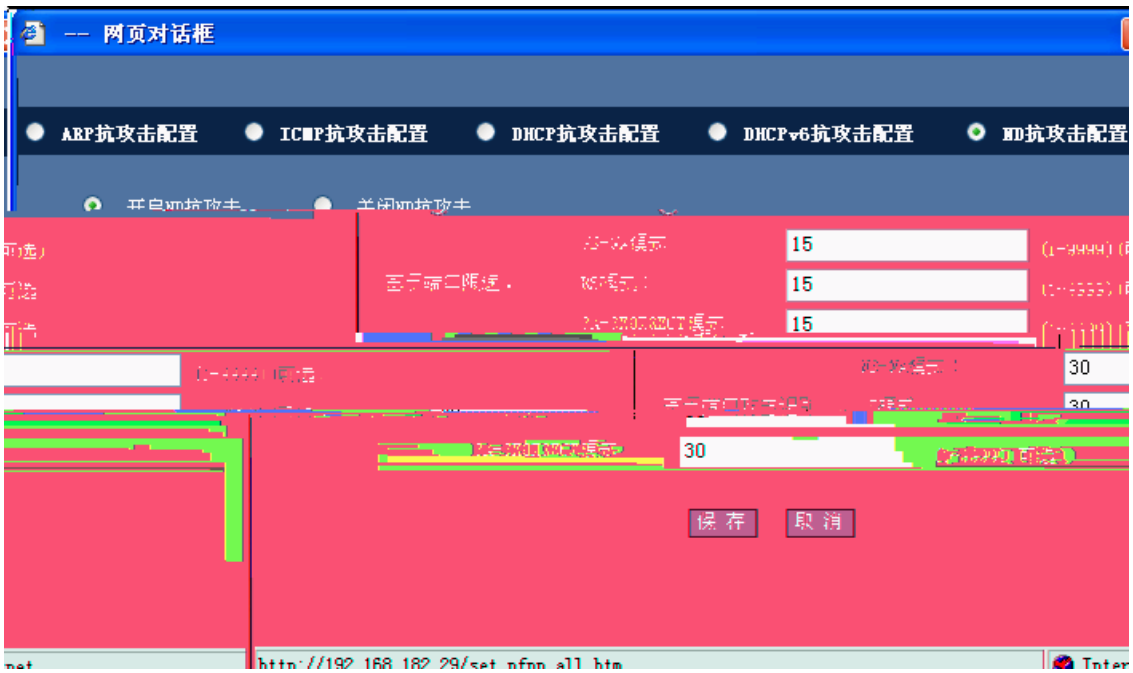
1-29 CPU

CPU “ ”

“ ”

2) NFPP

1-30 NFPP



NFPP “ ” NFPP

“ ” NFPP “ ”

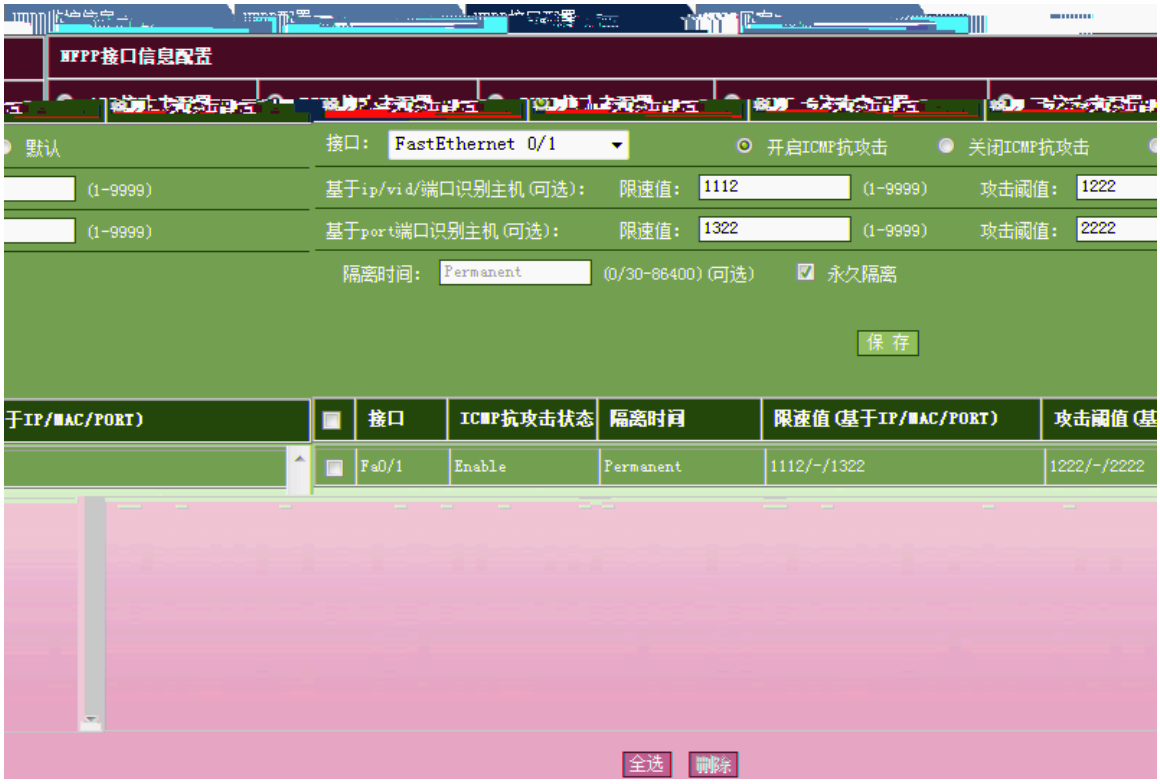
“ ”

NFPP

1) ARP

1-31 NFPP —NFPP ARP

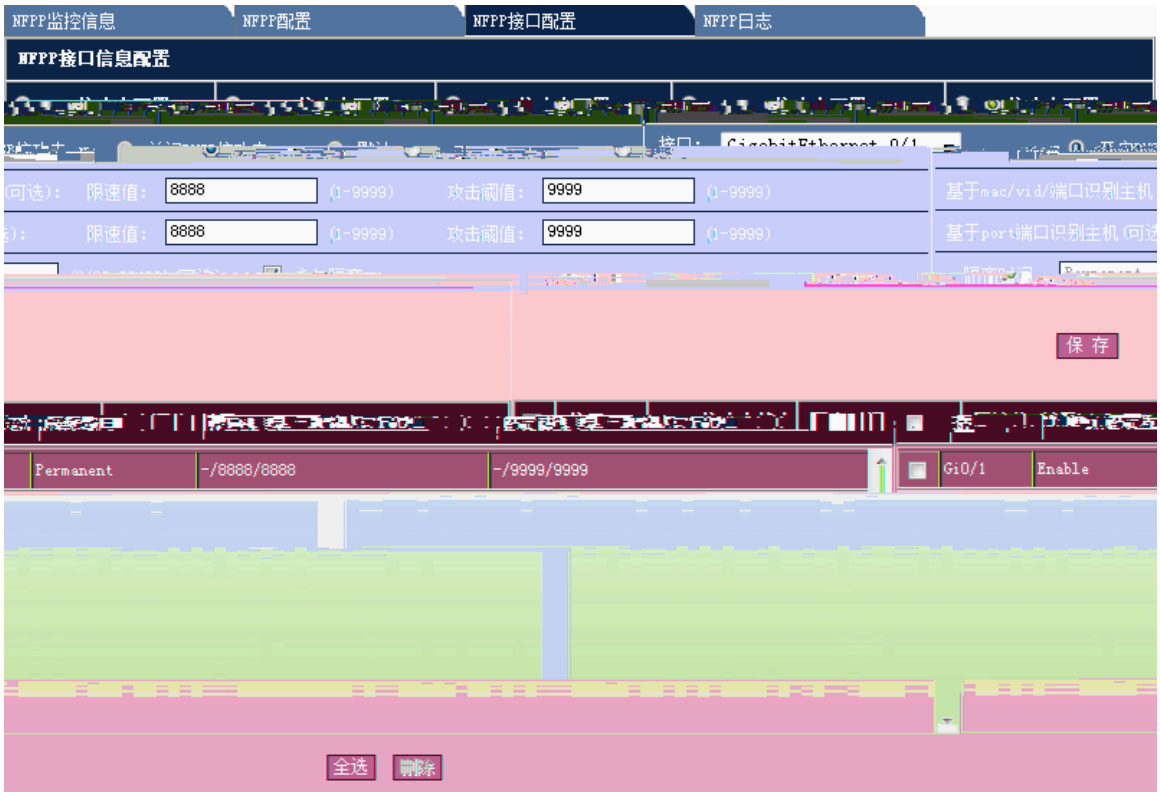

NFPP监控信息
NFPP配置
NFPP接口配置
NFPP日志
NFPP接口信息配置
ICMP抗攻击配置
DHCP抗攻击配置
DHCPv6抗攻击配置
ND抗攻击配置
ARP抗攻击配置
0/1
开启ARP抗攻击
关闭ARP抗攻击
默认
接口：
FastEthernet
(可选)：
限速值：
123
(1-9999)
攻击阈值：
123
(1-9999)
基于ip/vid/端口识别主机
(可选)：
限速值：
789
(1-9999)
攻击阈值：
789
(1-9999)
基于mac/vid/端口识别主机
选)：
限速值：
123
(1-9999)
攻击阈值：
456
(1-9999)
基于port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
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
123
123/789/123
123/789/456
123
Fa0/1
Enable
全选
删除



ICMP NFPP “ ”

3) DHCP

1-33 NFPP —NFPP DHCP



DHCP NFPP “ ”

4) DHCPv6

1-34 NFPP —NFPP DHCPv6

DHCPv6 NFPP “ ”

5) ND

1-35 NFPP —NFPP ND

ND NFPP “ ”

NFPP

1-36 NFPP


NFPP监控信息
NFPP配置
NFPP接口配置
NFPP日志
NFPP日志信息配置
日志缓冲区大小： 1000 (0-1024) (可选)
生成系统消息速率：
消息数： 1024 (0-1024) (可选)
时间长度： 86400 (0-86400) (可选)
1-4094
GigabitEthernet 0/2
GigabitEthernet 0/3
删除
删除
保存
恢复默认值
查看日志缓冲区
清空日志缓冲区
缓冲区大小
生成系统消息速率
需要记录日志的VLAN
需要记录日志的端口
Gi0/1, Gi0/2, Gi0/3,
1000
1024/86400
1-4094

NFPP “ ”

“ ”

“ ”

1-37

1.6

1.6.1 ARP

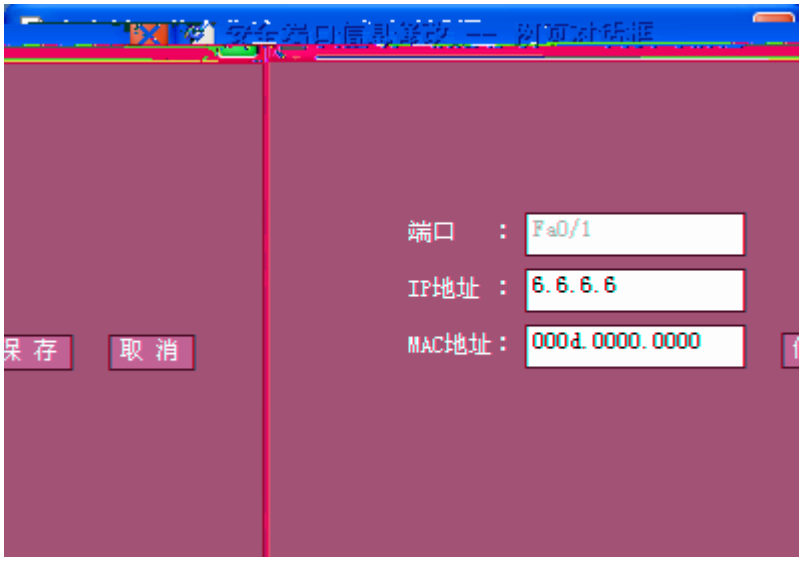
“ ARP ”

ARP

1-38 ARP

“ ”

1-40



“ ”

1.6.3 APR

“ ARP ”

ARP

1-41 ARP

“ ARP ” “ ARP ”

1.6.4 ACL

“ ACL ”

ACL

1-42 ACL

ACL

ACL ACL ACL 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 Gu ard DHCP Snooping DHCP
Snooping

“ IP Source Guard ”

IP Source Guard

1-46 IP Source Guard

IP IP

1-47

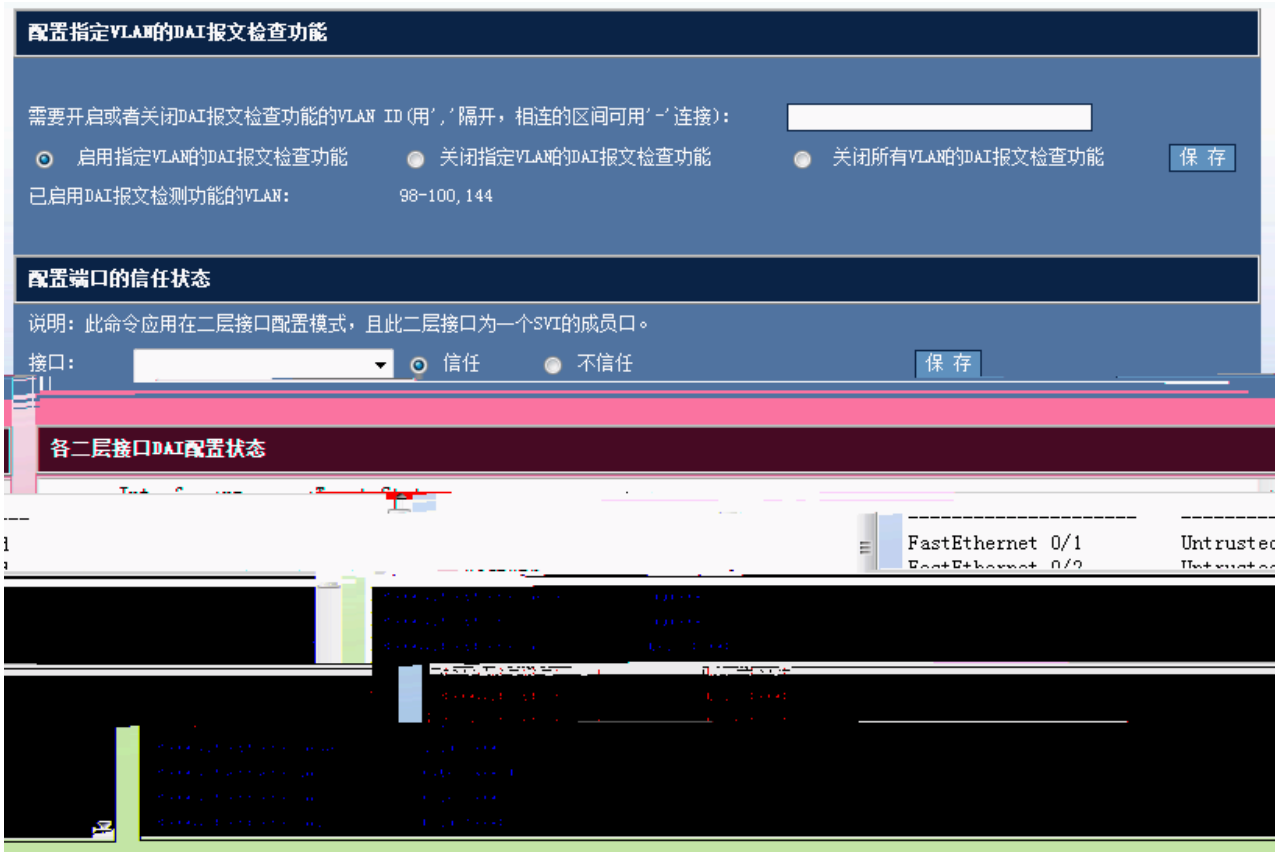
1.6.6 DAI

DAI Dynamic ARP Inspection ARP ARP arp

“ DAI ”

DAI

1-48 DAI



■ VLAN DAI

VLAN DAI

GSN GSN “ ”

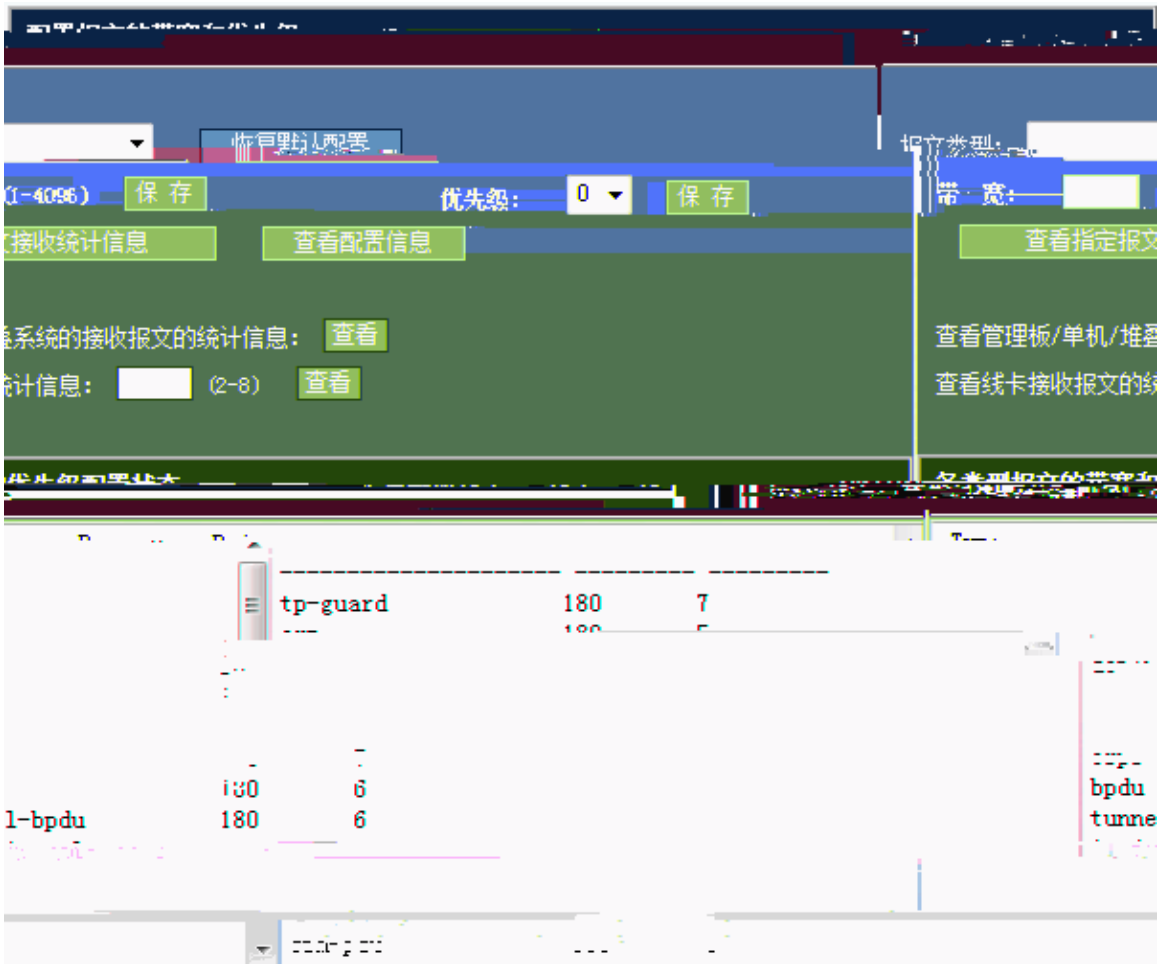
“ ”

1.6.8 CPP

“ CPP ”

CPP

1-50 CPP



“ ” “

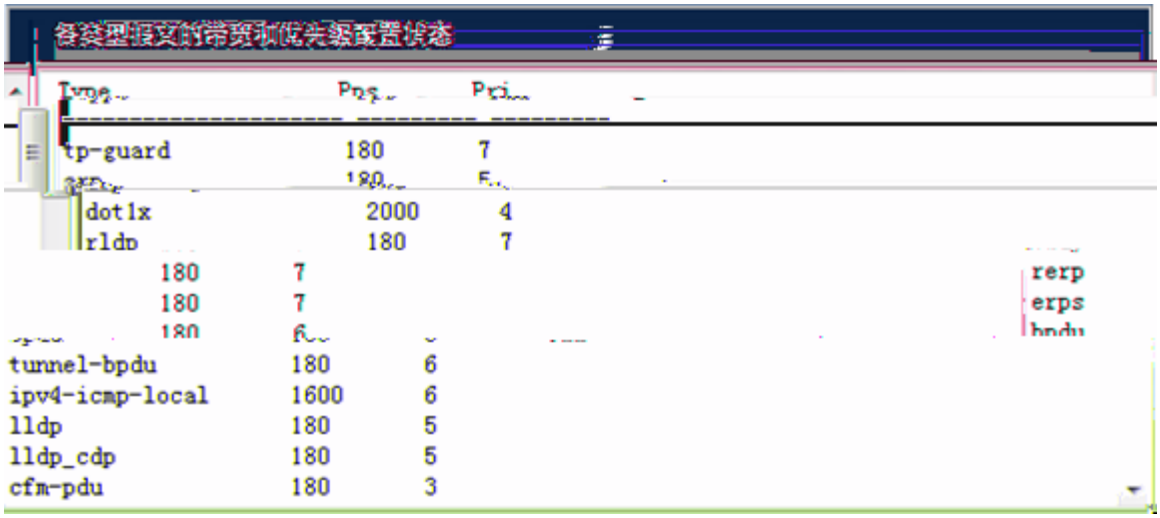
” “ ”

“ ”

1-51

“ ”

1-52


tp-guard 180 7
dot1x 2000 4
rldp 180 7
180 7
180 7
tunnel-bpdu 180 6
ipv4-icmp-local 1600 6
lldp 180 5
lldp_cdp 180 5
cfm-pdu 180 3

/ / “ ” / /

1-53 / /

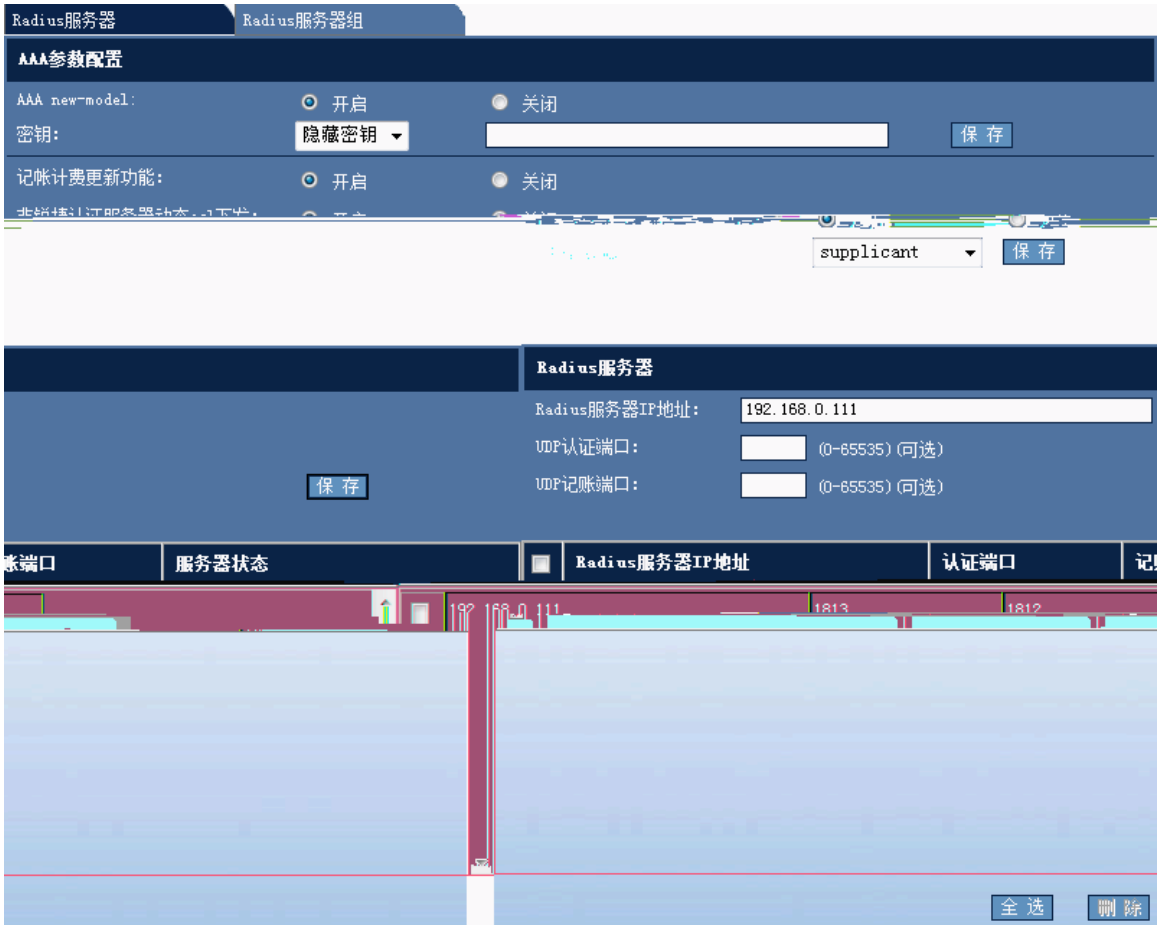
“ ”

1.6.9 RADIUS

“ RADIUS ”

RADIUS

1-54 RADIUS



RADIUS

AAA AAA RADIUS AAA new-model

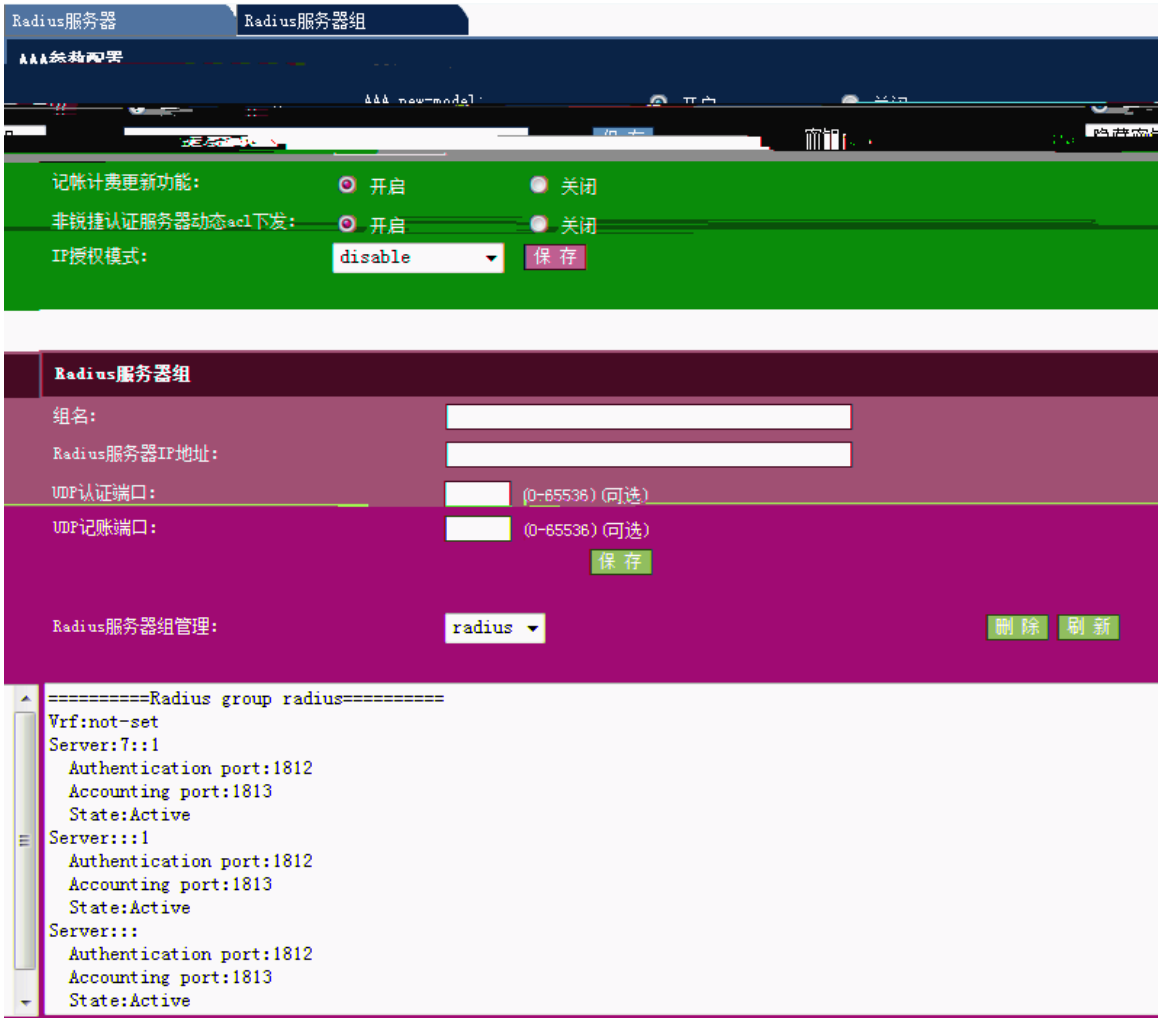
“ ” AAA “ ”

IP IP “ ”

RADIUS IP “ ”

RADIUS

1-55 RADIUS



RADIUS IP

“ ”

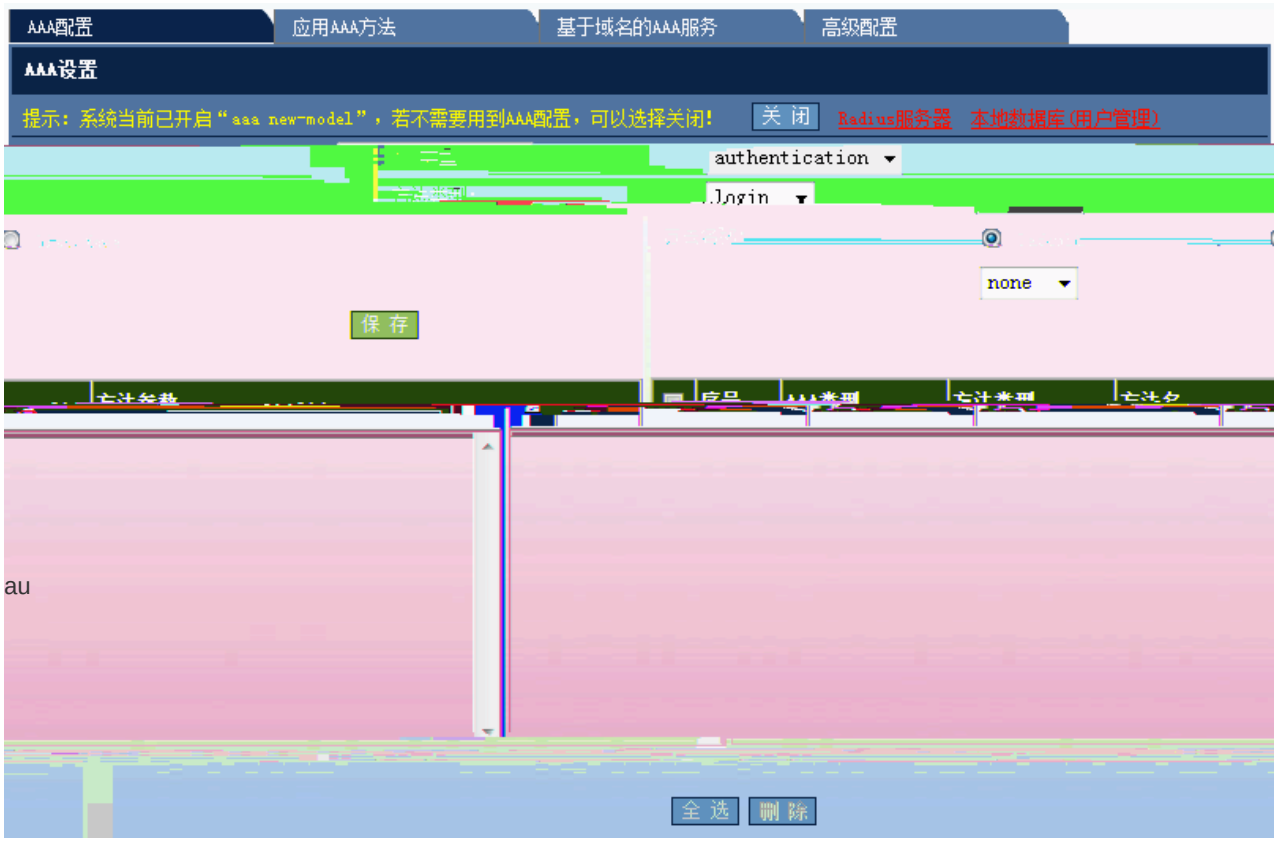
Radius “ ”

1.6.10 AAA

“ AAA ”

AAA

1-56 AA A

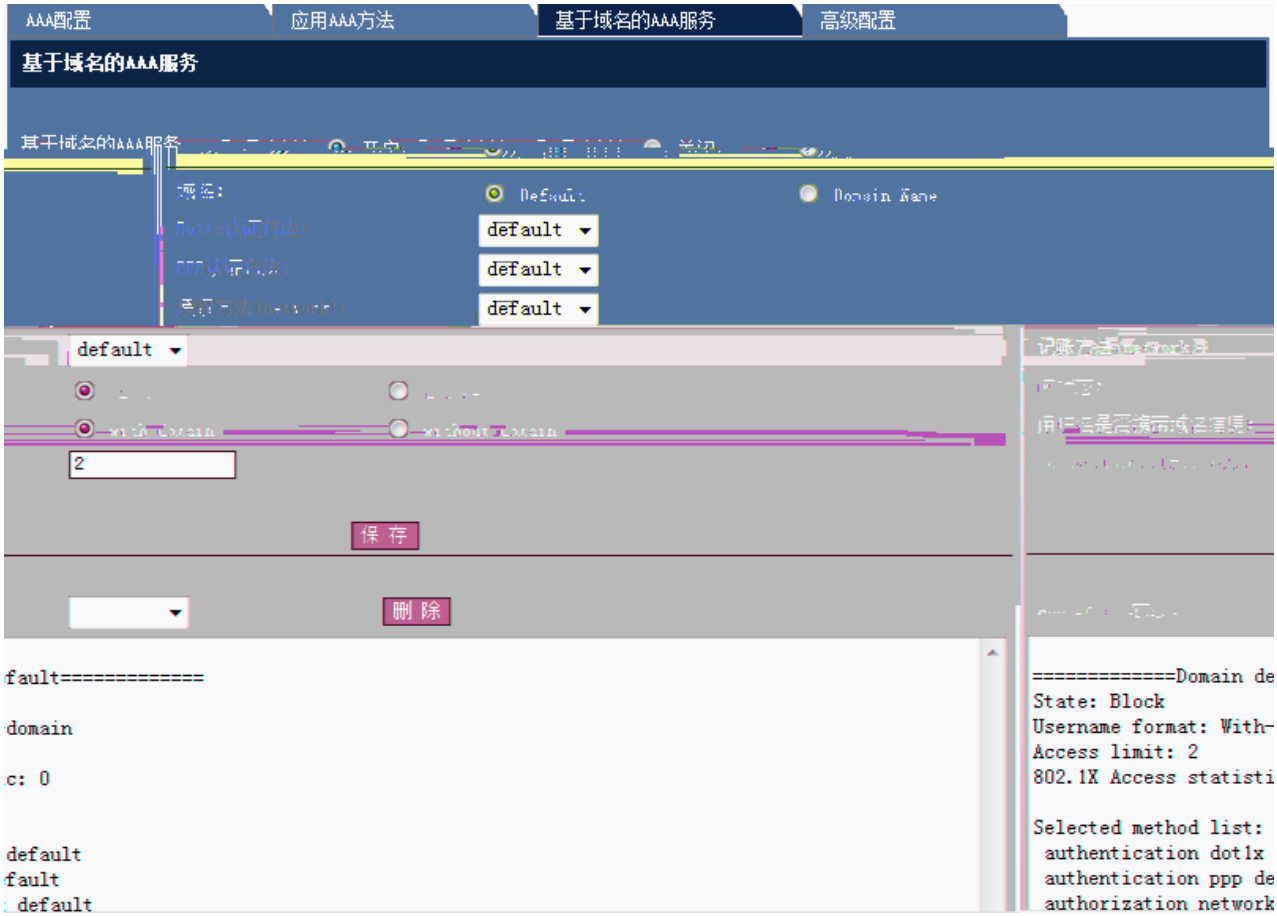


AAA

AAA authentication authorization accounting AAA login enable en È $ #ø©2O r$ðÕñàÑ”r$ðÝÐ Ý ½

AAA

1-58 AAA

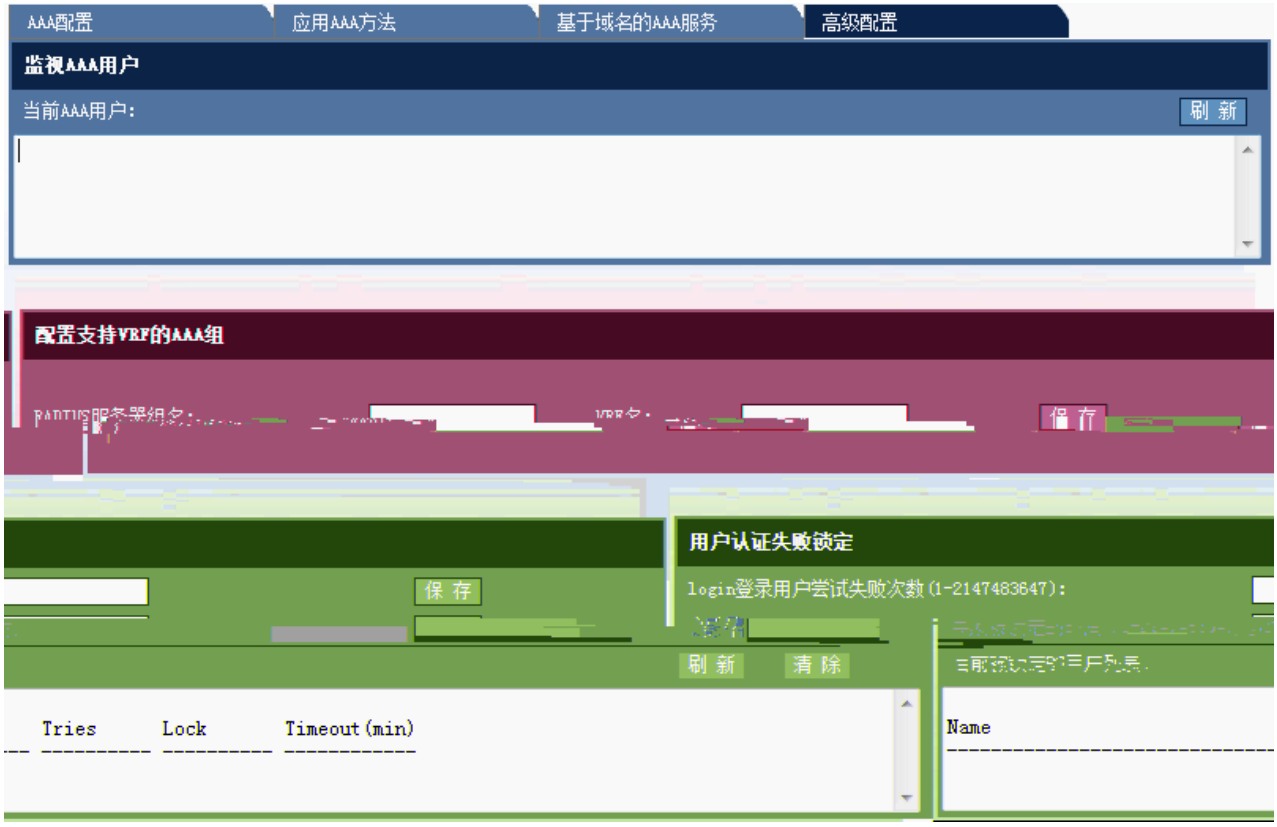


AAA Dot1x PPP (network) (network)

Access Limit “ ” Ś

AAA Domain “ ”

1-59 AA A



AAA AAA VRF AAA

1.6.11 Dot1x

“

Dot1x “ ”

“ ” “ ”

1-61

` 11א “ ” “ ” Ø * ن ٌ


Dot1x配置
主动认证配置
端口认证配置
说明：以下配置项均为可选。
802.1x认证功能：
开启
关闭
VLAN自动跳转功能：
开启
关闭
Guest Vlan跳转：
开启
关闭
Vlan Id:
(1-4094)
端口：
FastEthernet 0/1
端口的控制模式：
基于用户MAC
基于端口单用户的控制模式
MAC旁路认证：
开启
关闭
MAC旁路认证超时时间：
(1-65535)
MAC旁路认证违例：
开启
关闭
保 存
恢复默认
查看当前配置
禁止动态用户在多个认证端口之间迁移：
开启
关闭(默认值)
保 存
端口下可认证主机列表

Dot1x

“ ”

802.1x MAC

“ ”

VLAN “ ”

1.6.12

“ ”

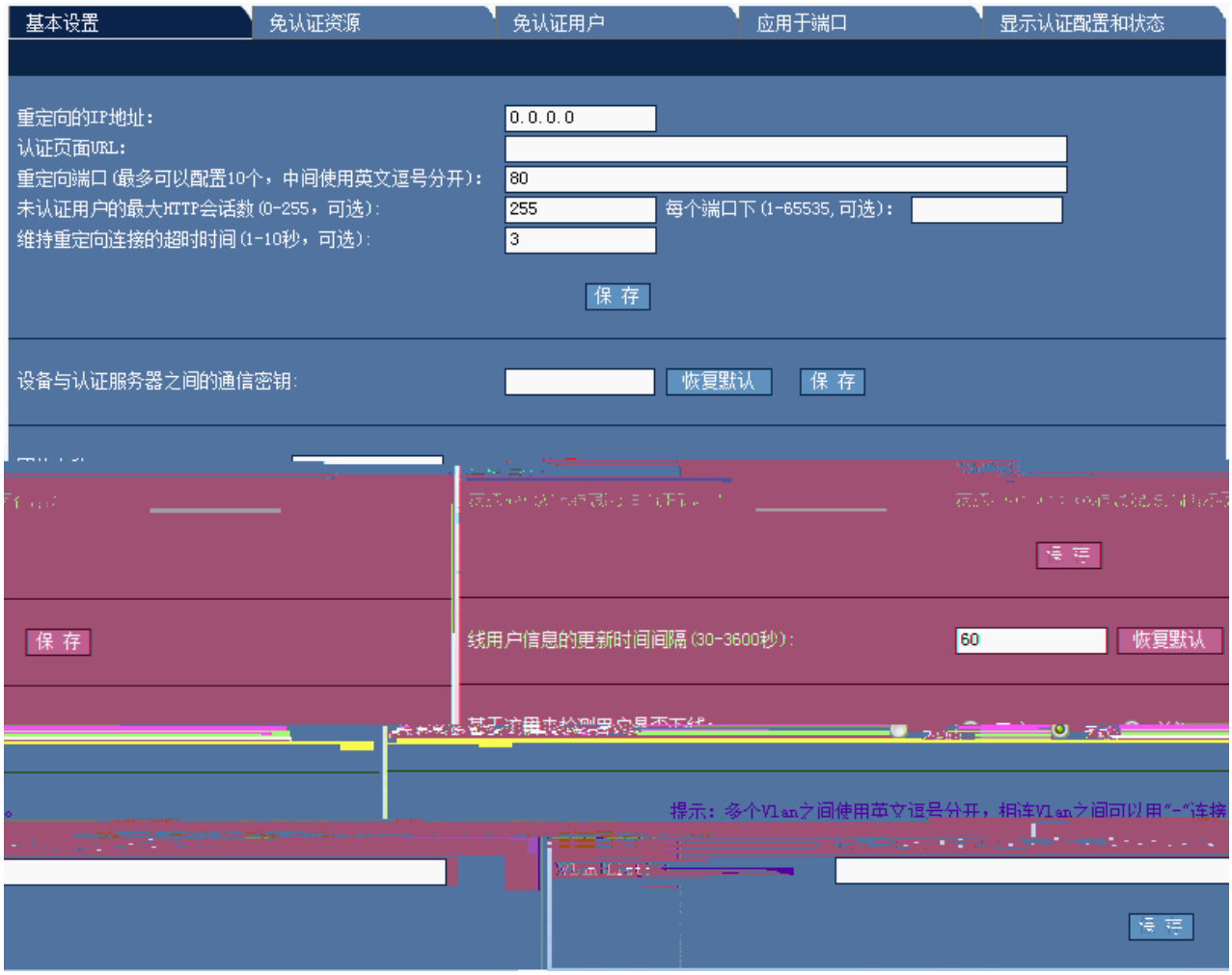
1-64

1.6.13 WEB

“ web ”

web

1-66 web



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
免认证的网络资源(最大允许配置50个)
如果接入/汇聚设备启用了ARP CHECK功能，那么需要对免认证的网络资源范围进行ARP绑定，需要配置arp关键字。
IP:
子网掩码(可选):
ARP
保 存
全 选
删 除

IP “ ”

1-68


免认证用户(最大允许配置50个)
子网掩码
端口
ARP绑定
序号
IP地址
255.255.255.0
Fa0/2
On
1
192.168.23.1

IP “ ”

“ ”

1-69


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:
FastEthernet 0/3
IP Only Mode
保 存
序号
端口
IP Only Mode
1
FastEthernet 0/1
YES
2
FastEthernet 0/3
YES
全 选
删 除

“ ” “ ”

1-70

IP

1.6.14 DHCP Snooping

“ DHCP Snooping ”

DHCP Snooping

1-71 DHCP Snooping

- DHCP Snooping

DHCP Snooping DHCP Snooping MAC “ ”

■ DHCP Snooping

“ ”

“ ”

1.7 QOS

1.7.1

“ ”

1-72

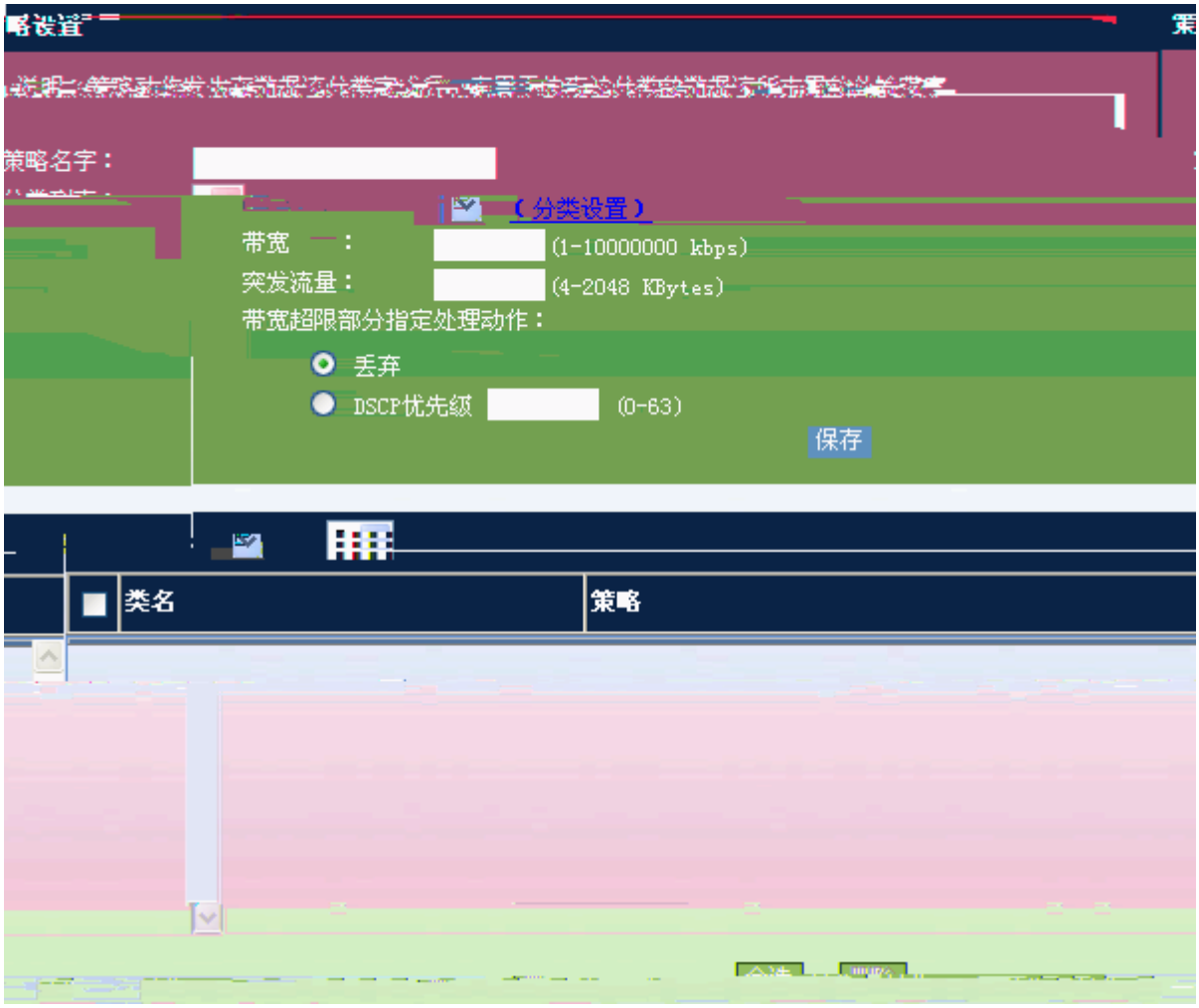
ACL “ ”

“ ”

1.7.2

“ ”

1-73


策略名字：
（分类设置）
带宽 ：
(1-10000000 kbps)
突发流量：
(4-2048 KBytes)
带宽超限部分指定处理动作：
丢弃
DSCP优先级
(0-63)
保存
类名
策略

DSCP

“ ”

1.7.3

“ ”

1-74

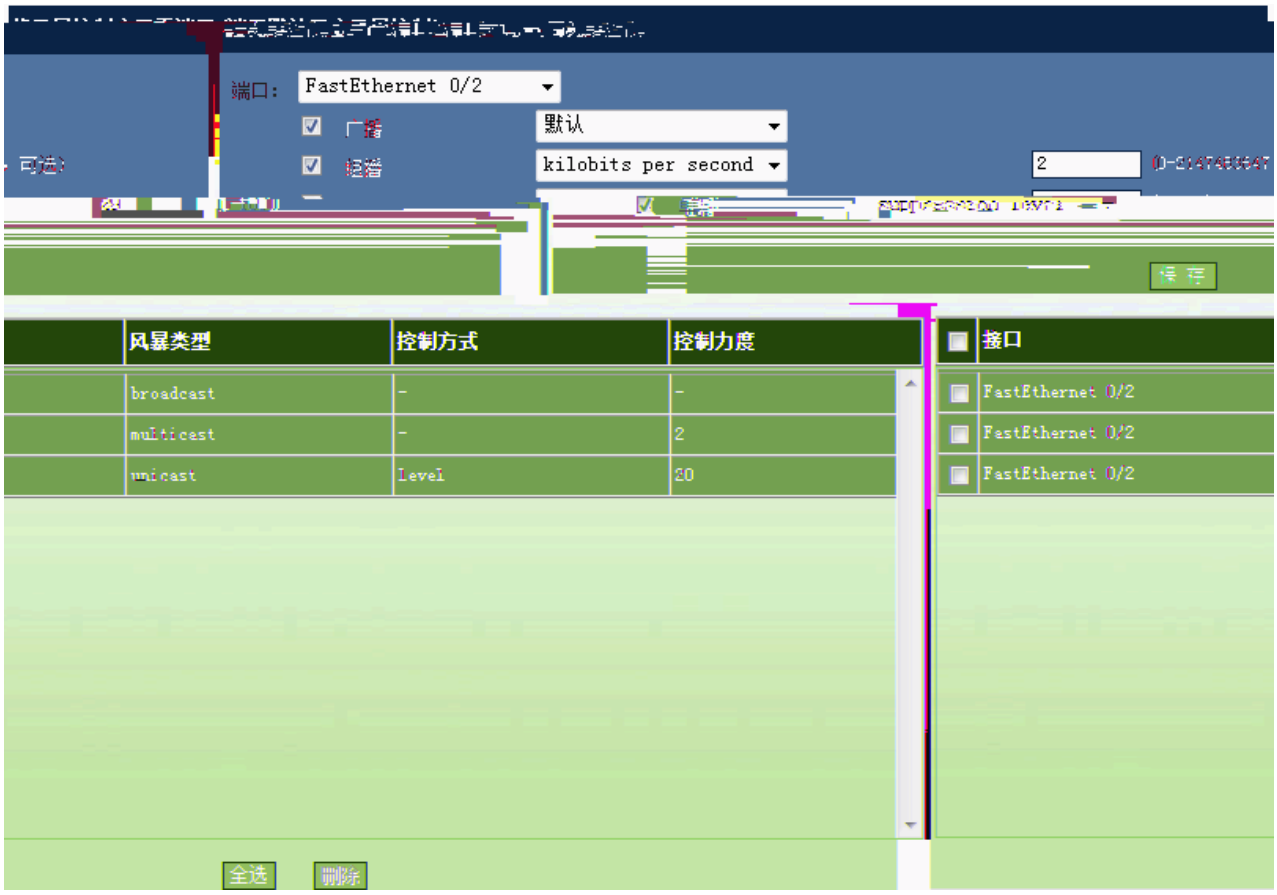

流设置
说明：应用策略设置对端口的输入或输出流进行限制。
端 口：
FastEthernet 0/1
策略列表：
（策略设置）
限速方向：
输入限速
输出限速
保存
端口
方向
策略名
信任模式
COS
FastEthernet 0/1
FastEthernet 0/2
FastEthernet 0/3
FastEthernet 0/4
FastEthernet 0/5
FastEthernet 0/6
FastEthernet 0/7
FastEthernet 0/8
FastEthernet 0/9
FastEthernet 0/10
FastEthernet 0/11
全选
删除

“ ” “ ”

1.7.4

“ ”

1-75



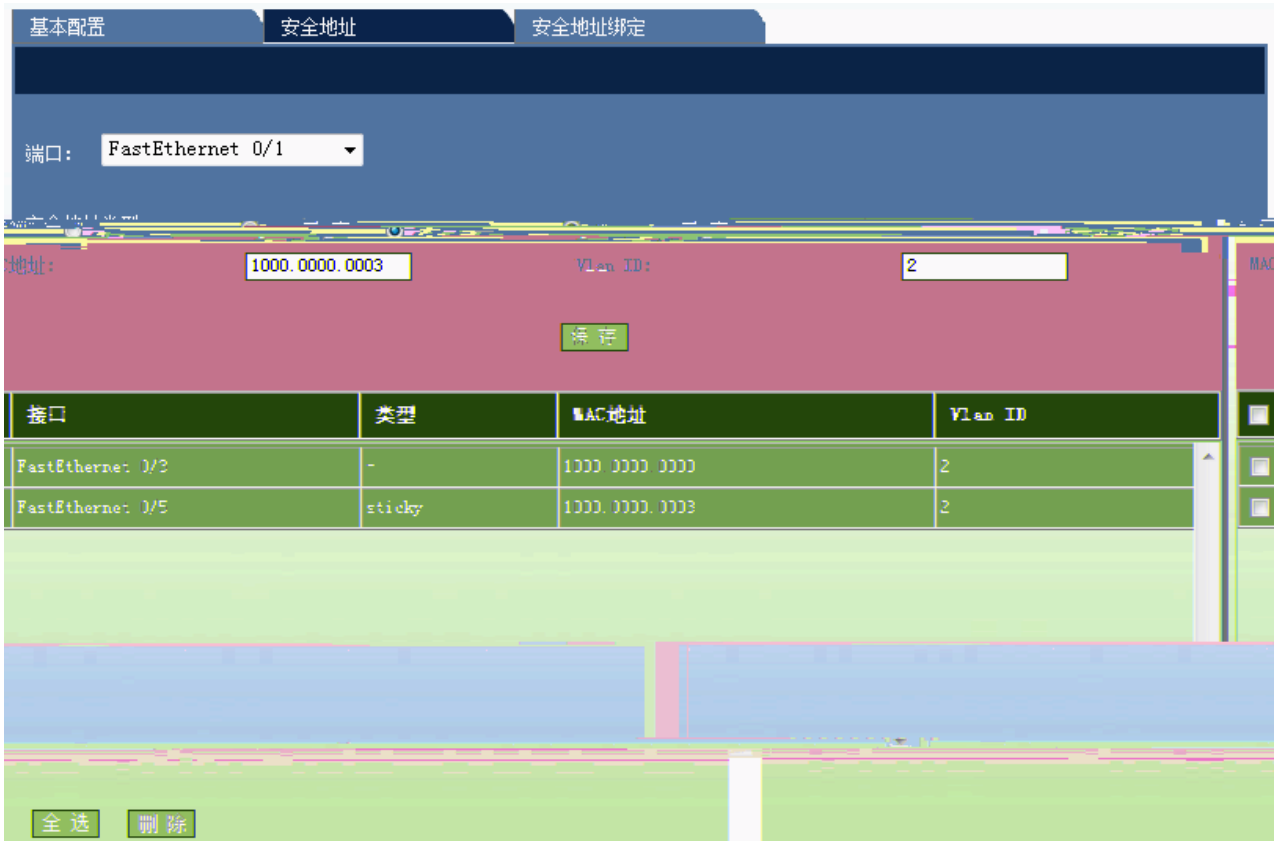
“ ”

“ ”

1.7.5

“ ”

1-76



Mac VLAN ID “ ”

“ ”

1-78

IP MAC Vlan

Mac VLAN ID “ ”

“ ”

1.8

1.8.1

“ ”

1-79

1.8.2

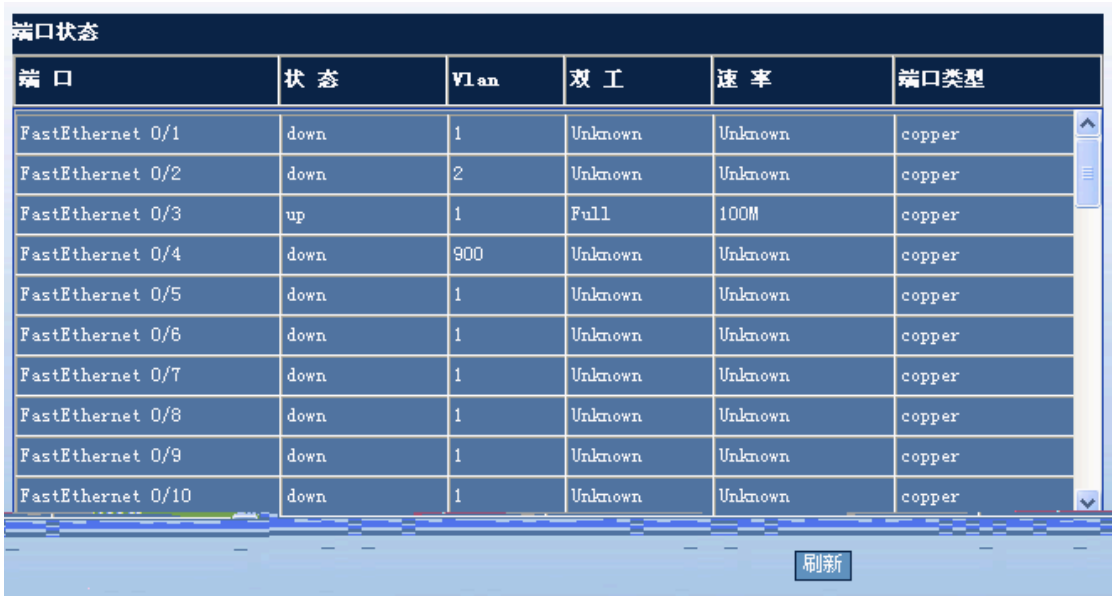
“ ”

1-80

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

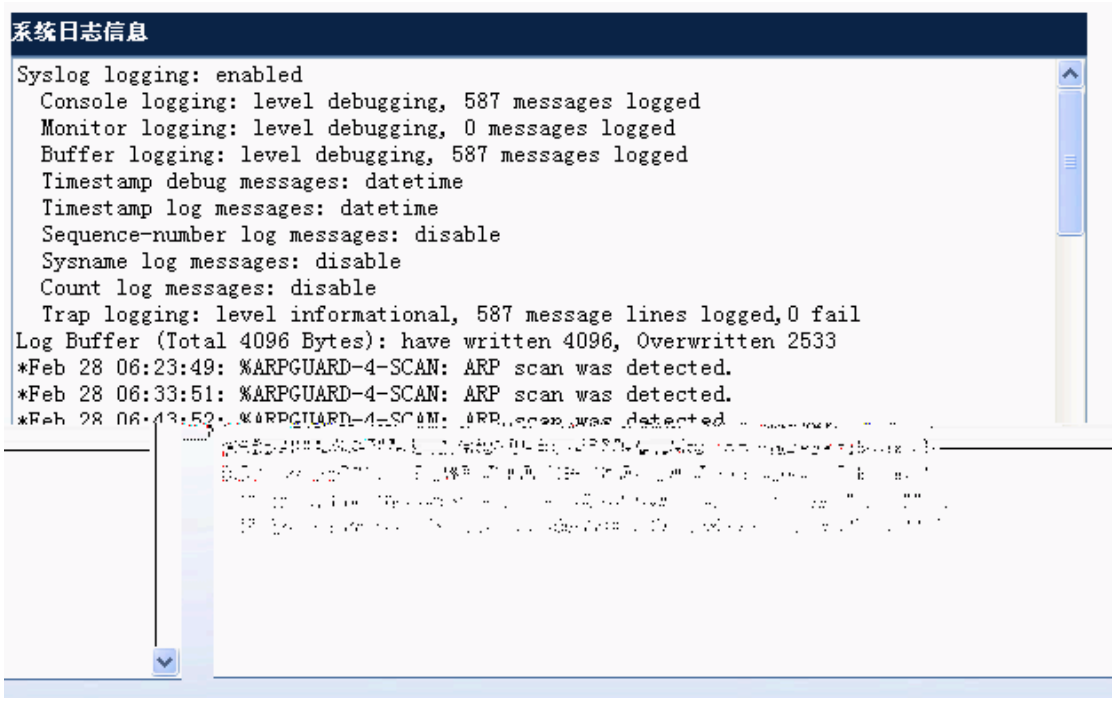
“ ”

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.

1.9.2 Telnet

“ Telnet ”

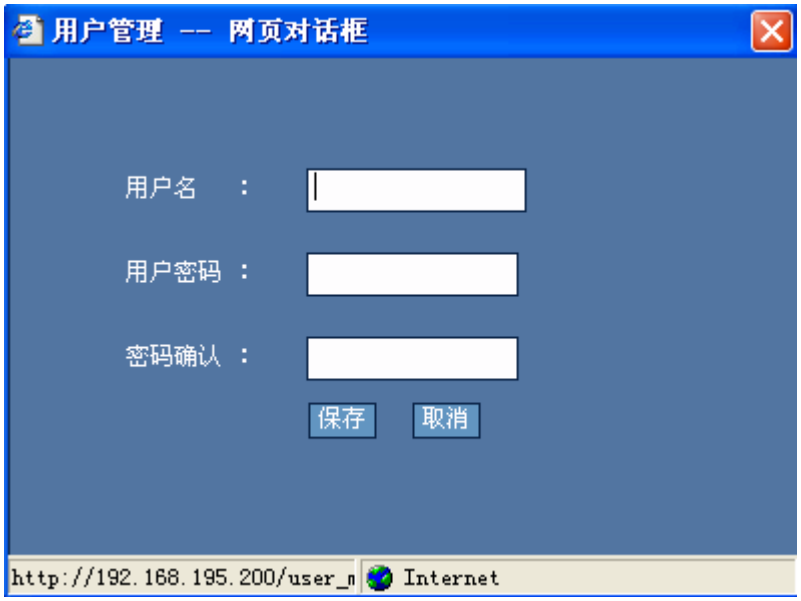
Telnet

1-86 Telnet

“ Telnet ” Telnet PC Telnet PC Tel ξ

“ ”

1-88

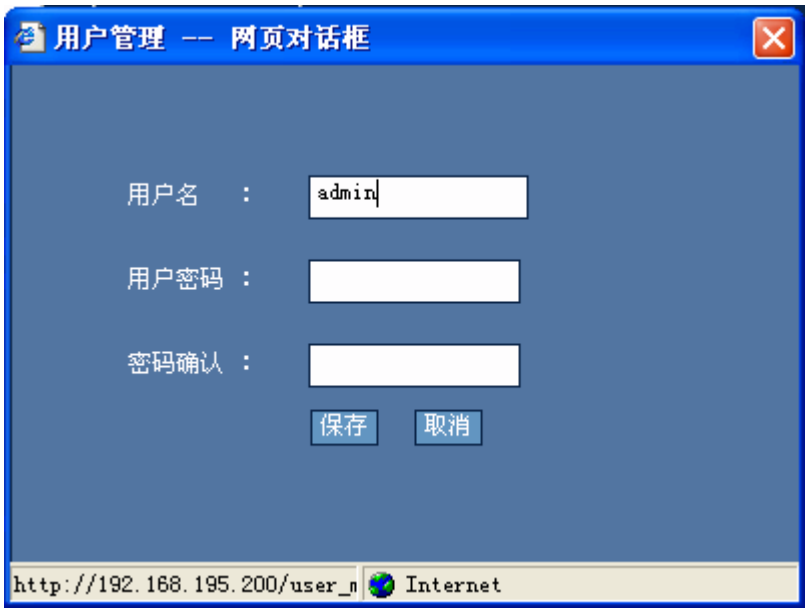

用户管理 -- 网页对话框
用户名 ：
用户密码 ：
密码确认 ：
保存
取消
http://192.168.195.200/user_m
Internet

“ ”

“ ”

“ ”

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_n
Internet

“ ”

a

– $ –

■ Enable

Enable “ ”

1-91

■ Telnet

Telnet “ ”

1.9.5 /

“ / ”

/

1-92 /

1.9.7

“ ”

1-94

TFTP TFTP

TFTP IP “ ”

1.9.8

“ ”

“ ”

1.10 WEB

WEB WEB enable

WEB Local Enable WEB WEB

■ Local

config

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

WEB

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

WEB Local

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

15

```
Ruijie(config)#username admin password admin
Ruijie(config)#username admin privilege 15
```

IP

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

■ Enable

config

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

WEB

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

WEB Enable

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

Enable

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

IP

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

■ 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
```

■ 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
```