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RGOS®10.4 (3b16)

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1.

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

2.

~ §

& §

3.

Â

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-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

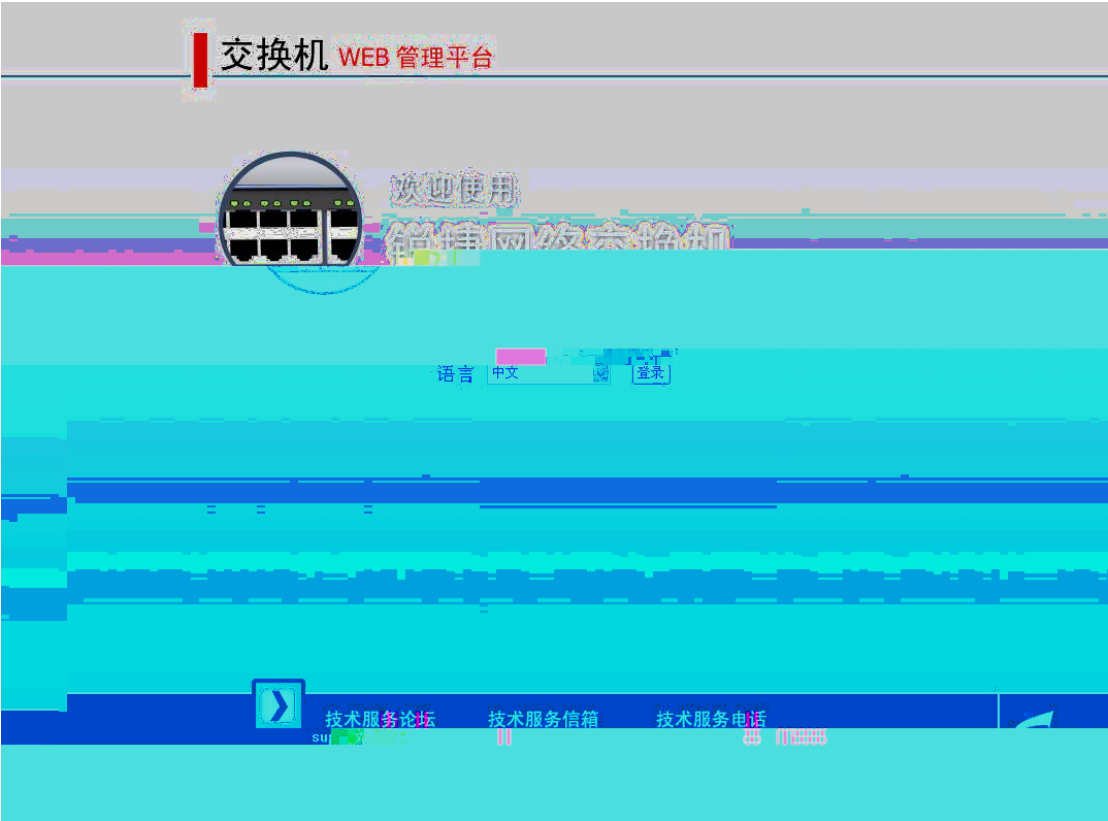
WEB
WEB
IP

1.3 WEB

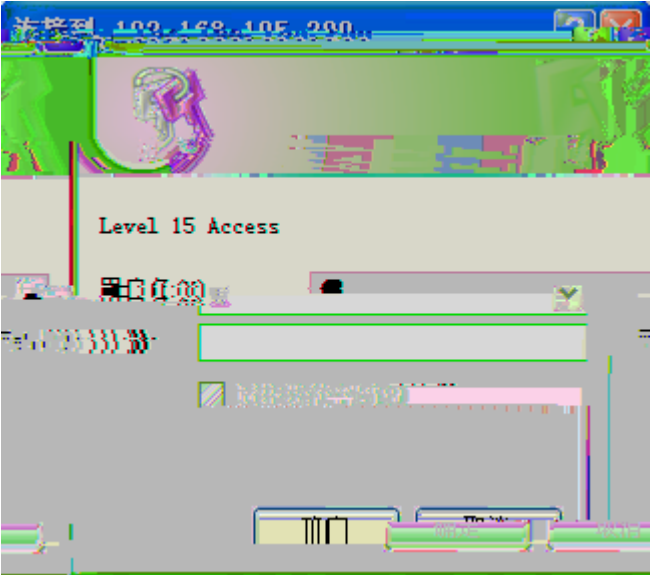
WEB WEB WEB
WEB Enable Enable

1.4 WEB

IP IP WEB
IP http://192.168.1.200,
1-1

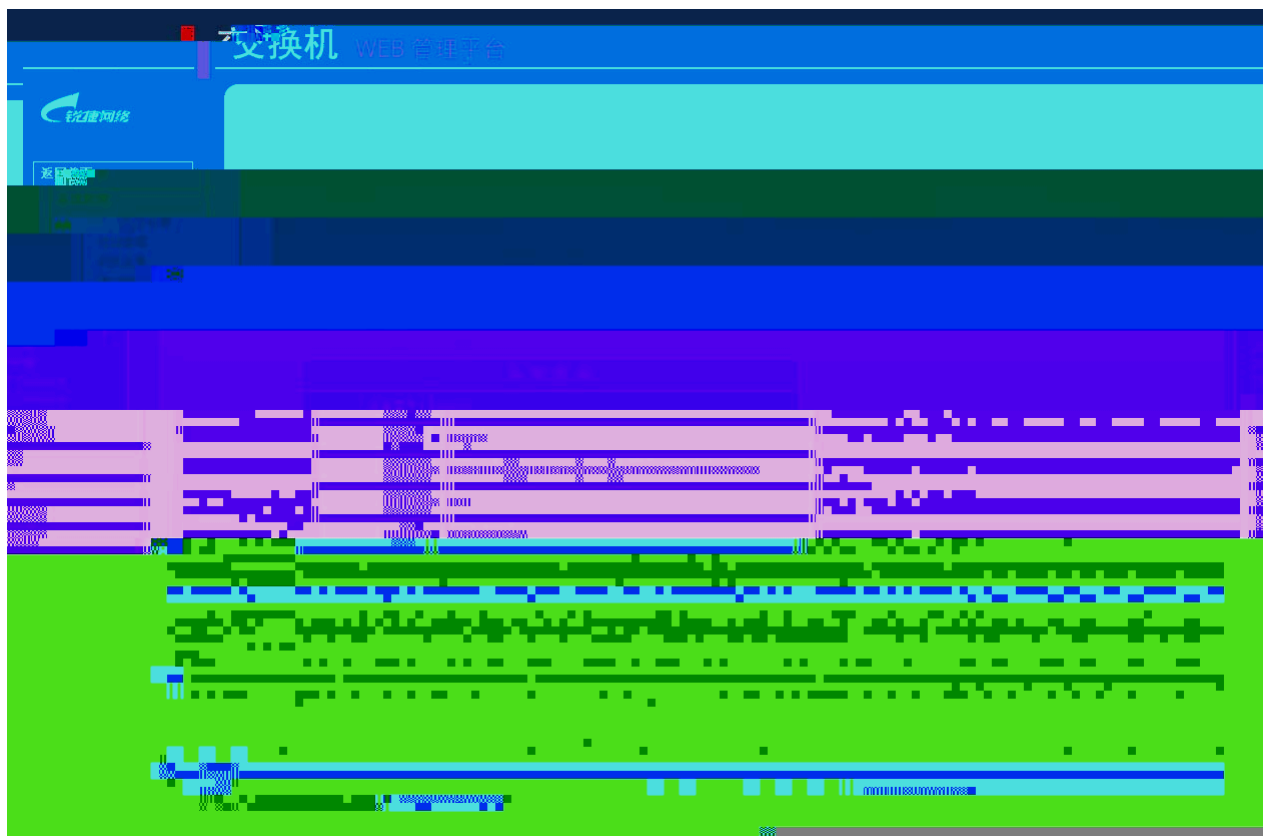


1-2



WEB

1-3 WEB



1.5

1.5.1 IP

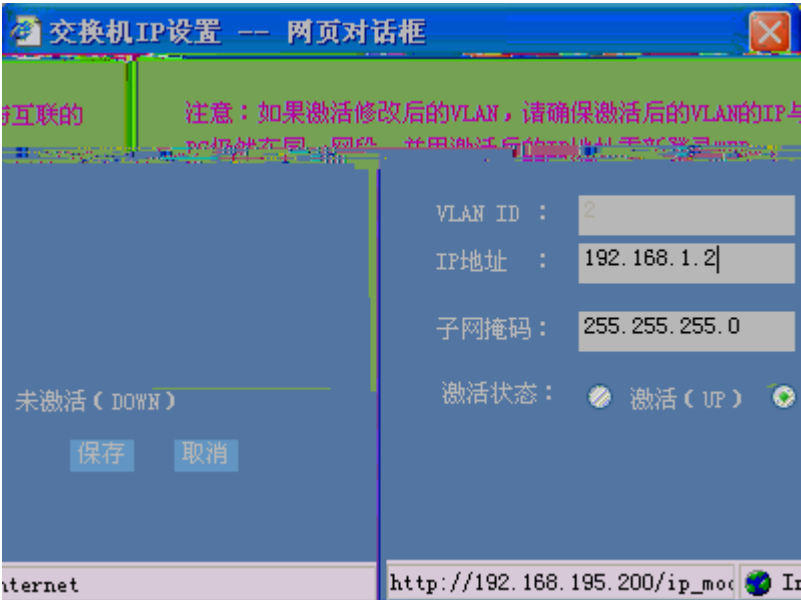
IP

IP

1-4 IP

ip

1-5 IP



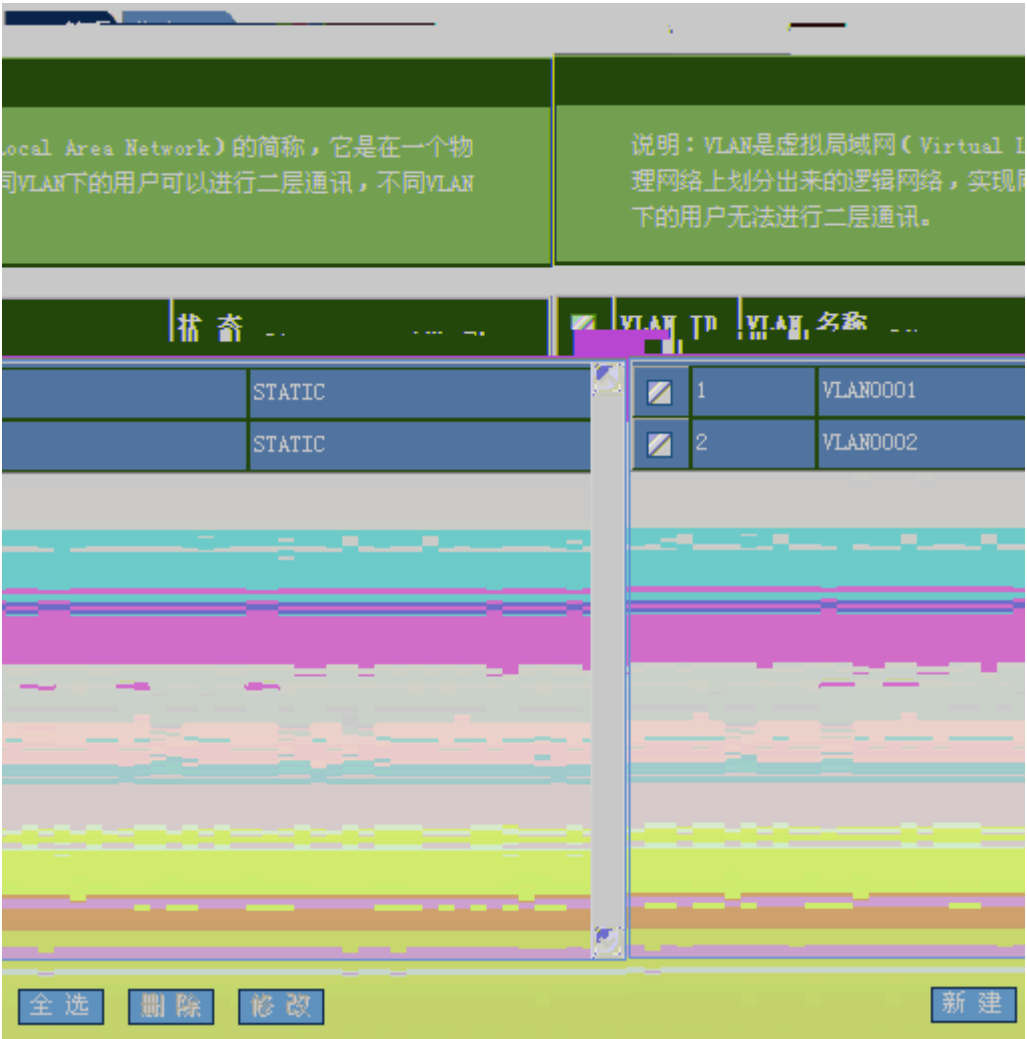
IP

1.5.2 VLAN

VLAN

VLAN

1-6 VLAN



VLAN

VLAN

VLAN

VLAN

1-7 VLAN

VLAN管理 -- 网页对话框

VLAN ID :

(1-4094)

VLAN 名称 :

(可选)

保存

取消

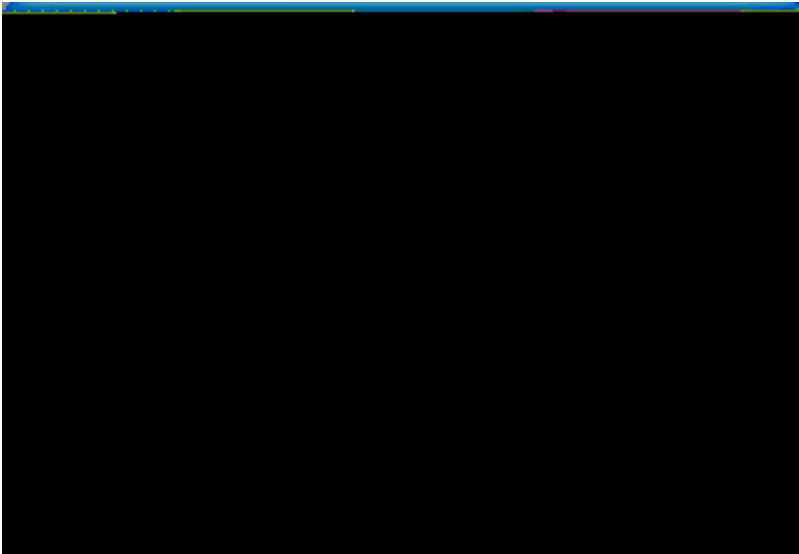
VLAN ID VLAN

VLAN

VLAN

VLAN

1-8 VLAN



VLAN

VLAN

VLAN

1-9 VLAN

VLAN ID

1.5.3

1-10

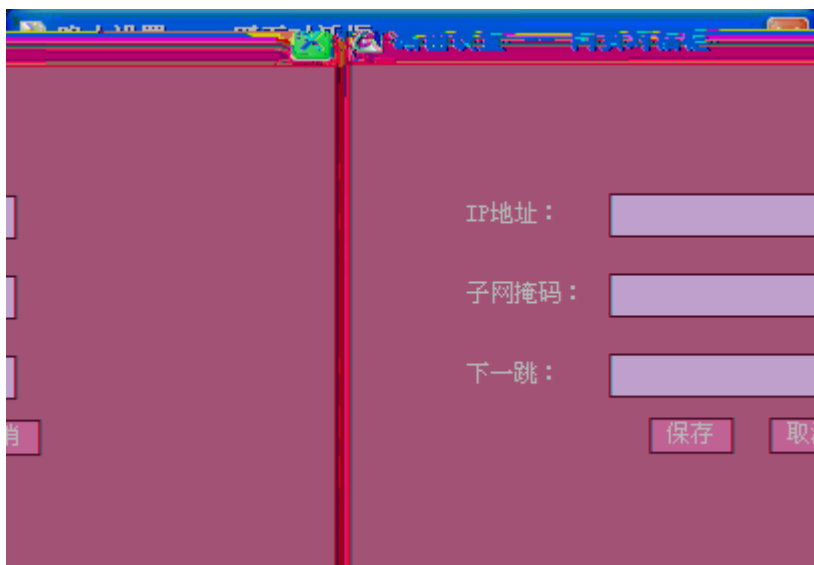
IP

IP

1.5.4

1-11

1-12



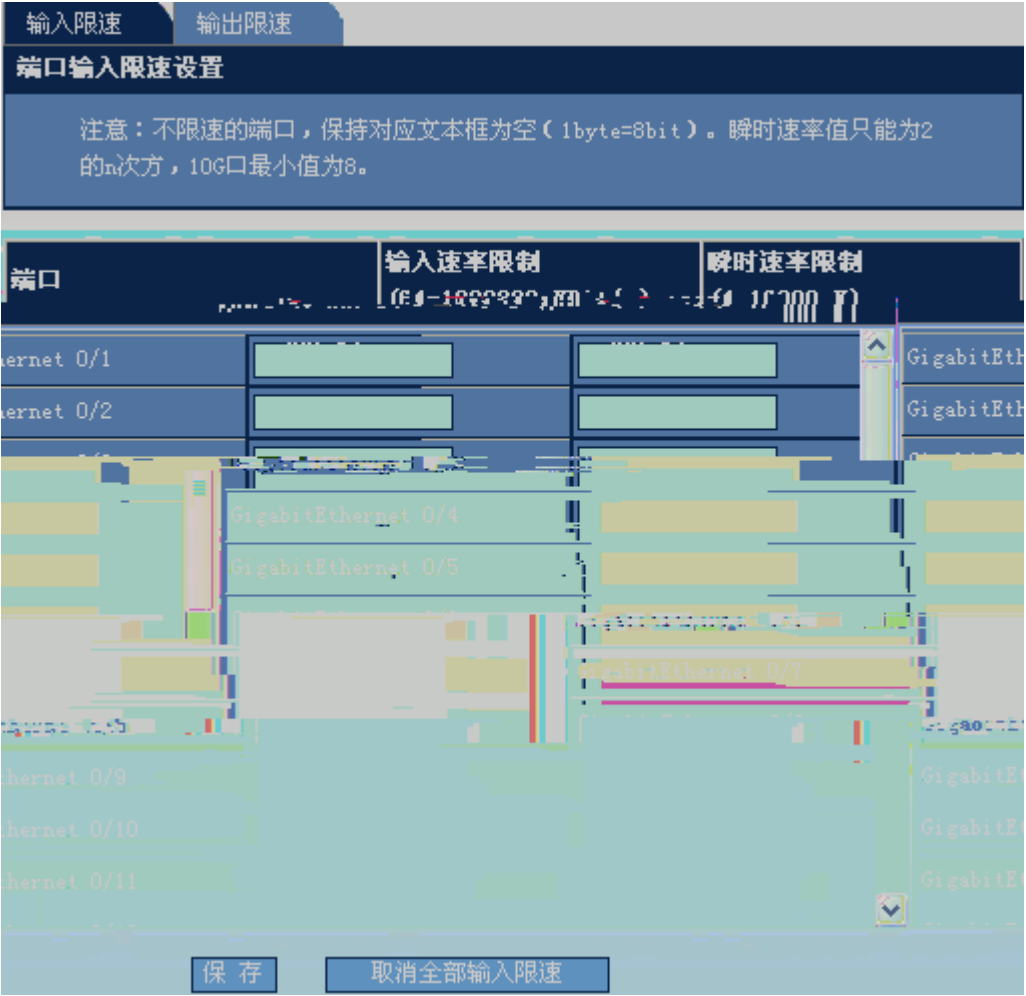
IP

1.5.5

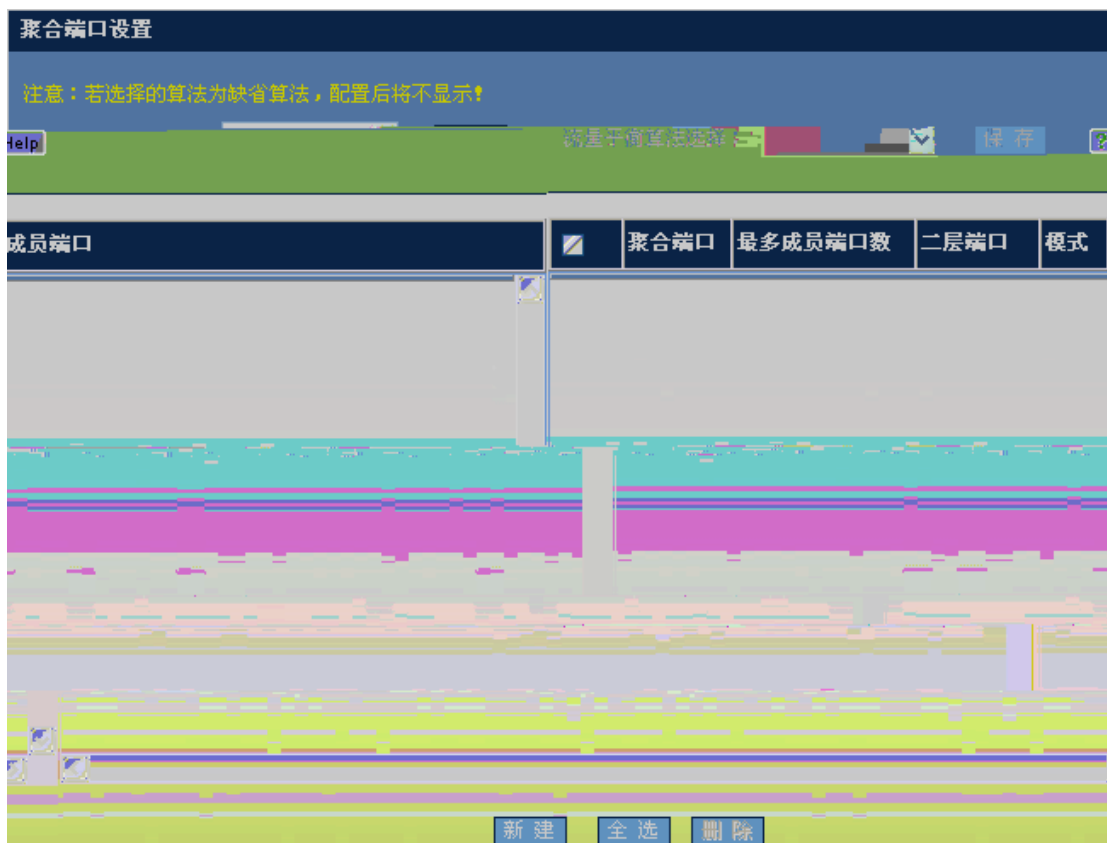
1-13

1.5.6

1-14



2 n



1-17

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：

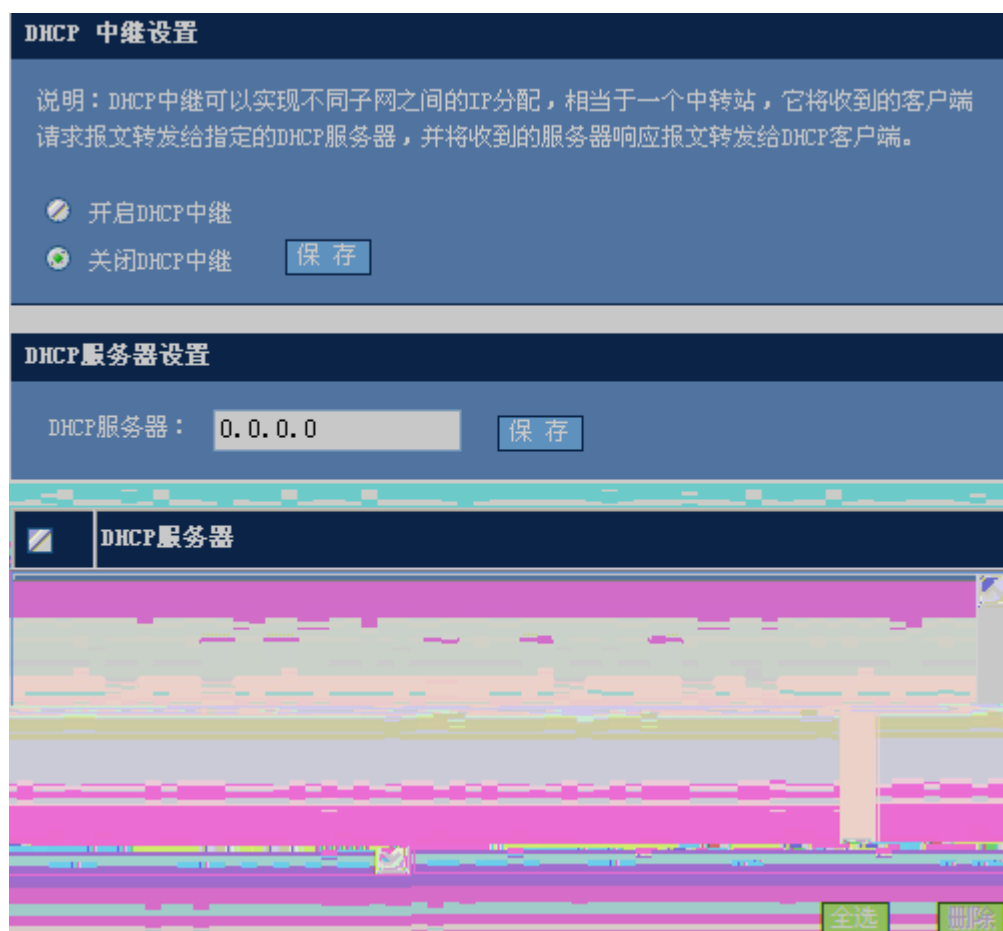
状态： 双工： 速率： 流控：

描述：

端口	状态	双工	速率	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

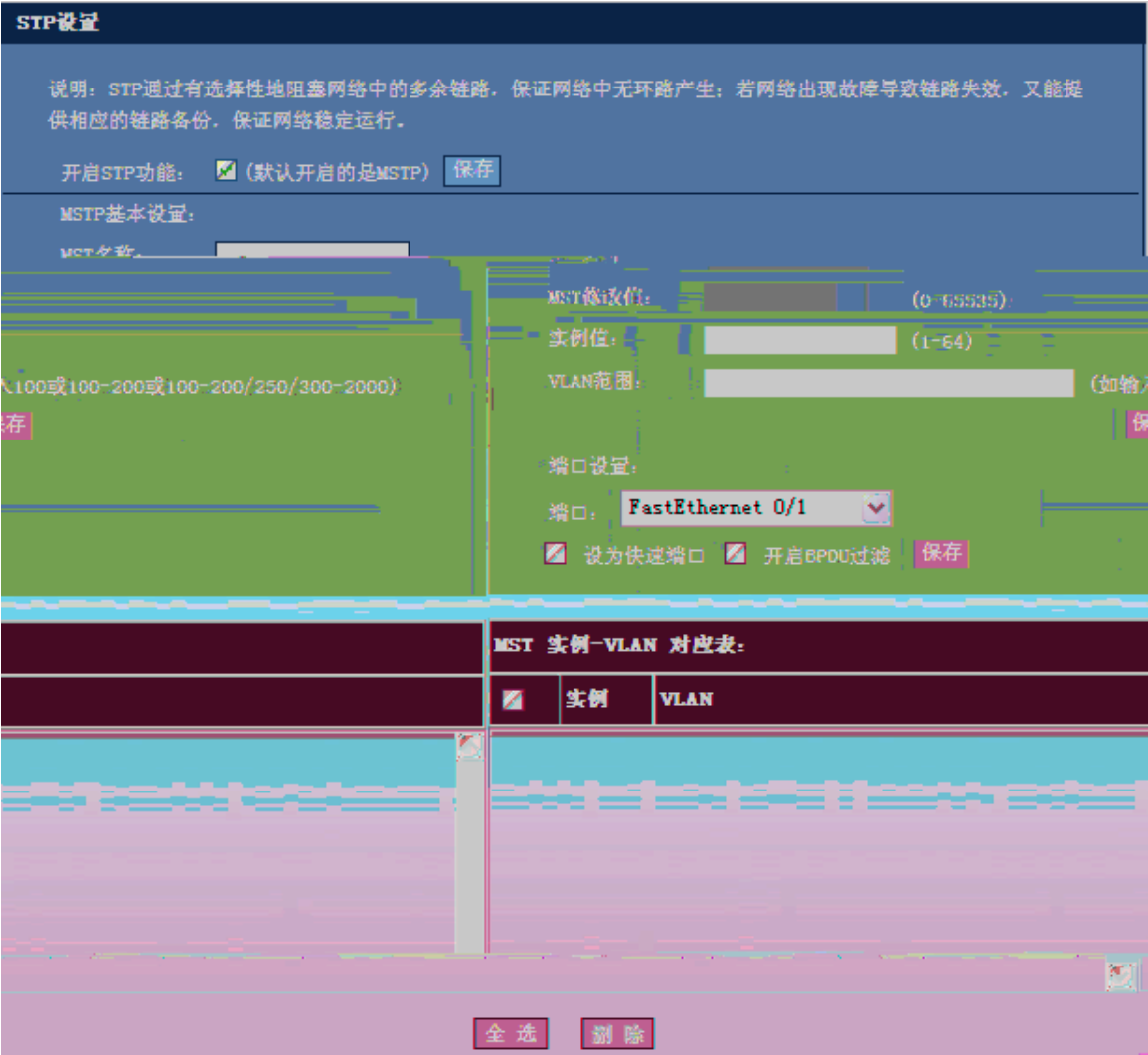
IGMP Snooping

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



STP

STP
BPDU

MSTP

MSTP

MSTP
MSTP
-VLAN

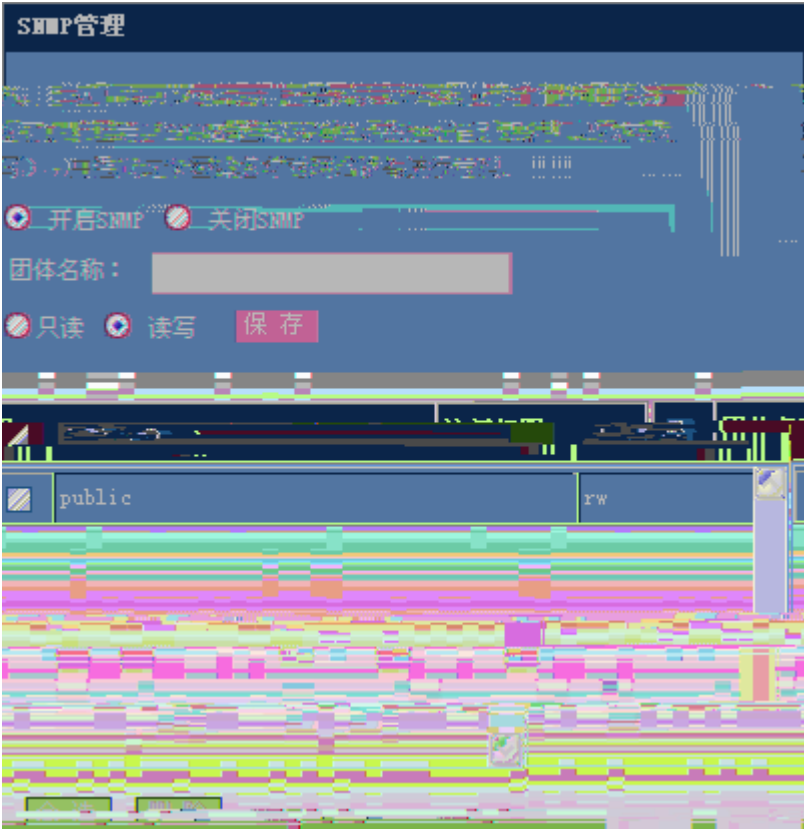
VLAN
-VLAN

1.5.12 SNMP

SNMP

SNMP

1-22 SNMP



SNMP

SNMP



The screenshot displays the 'NPPF监控信息查看与配置' (NPPF Monitoring Information View and Configuration) page. The '查看全部' (View All) checkbox is checked. The 'VLAN' field is set to '1-4094' (可选) and the '端口' (Port) field is set to 'Fa0/40' (可选). The '查看指定范围的ARP扫描表' (View ARP scan table of specified range) button is highlighted. Below this, the '查看指定的受监控主机信息' (View information of specified monitored host) button is visible. The main content area shows the 'ARP扫描表信息' (ARP Scan Table Information) table.

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 11:17:5
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:18:5
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:19:5
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:20:5
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:21:5
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:22:5
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:23:5
1	Fa0/40	-	001a.a942.f27f	2016-6-6 11:24:5

ARP

ARP

ARP

ARP

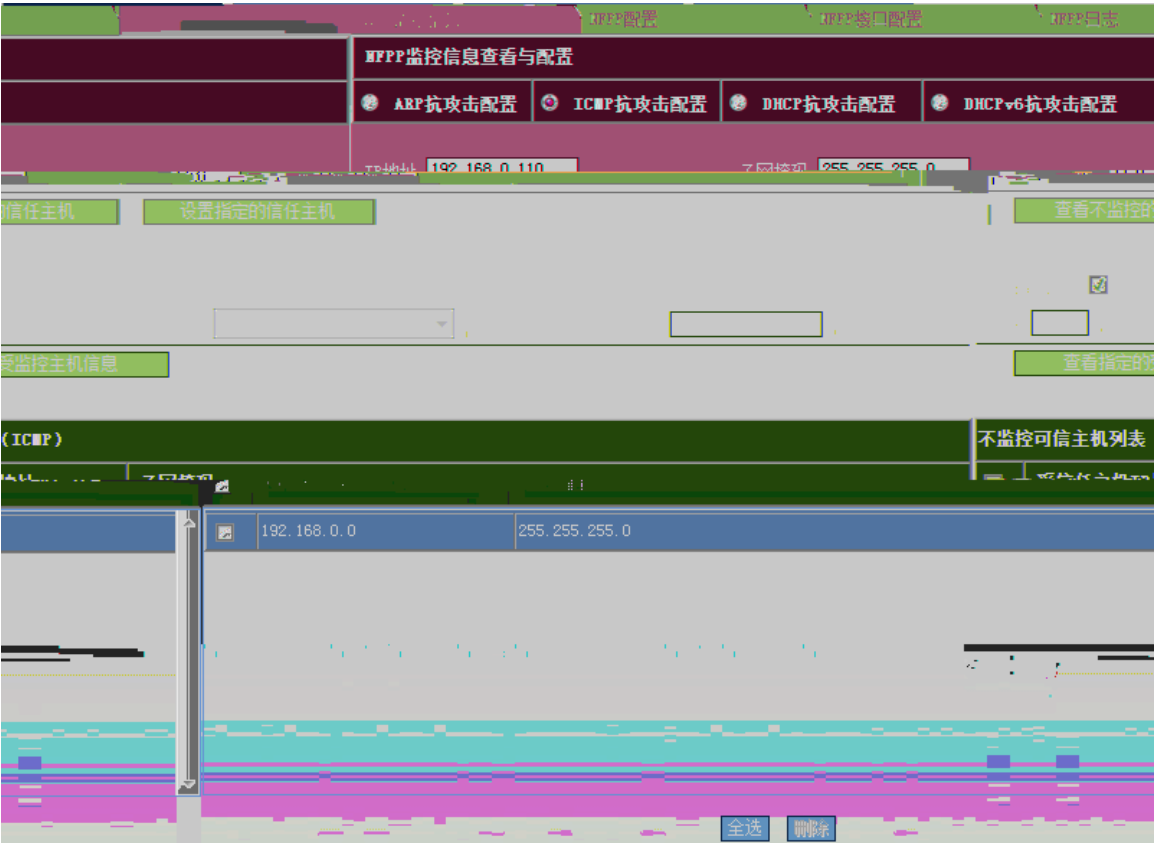
ARP

ARP

2) ICMP

1-25 NFPP

ICMP



ICMP

IP

3) DHCP

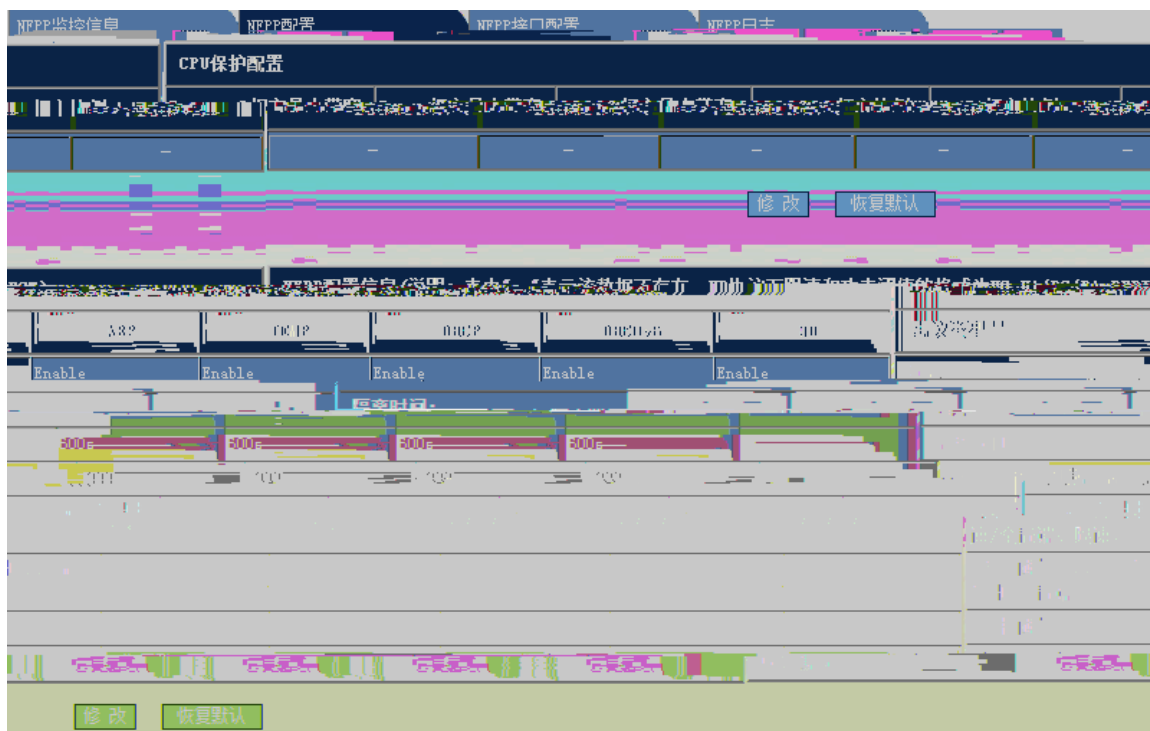
1-26 NFPP

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

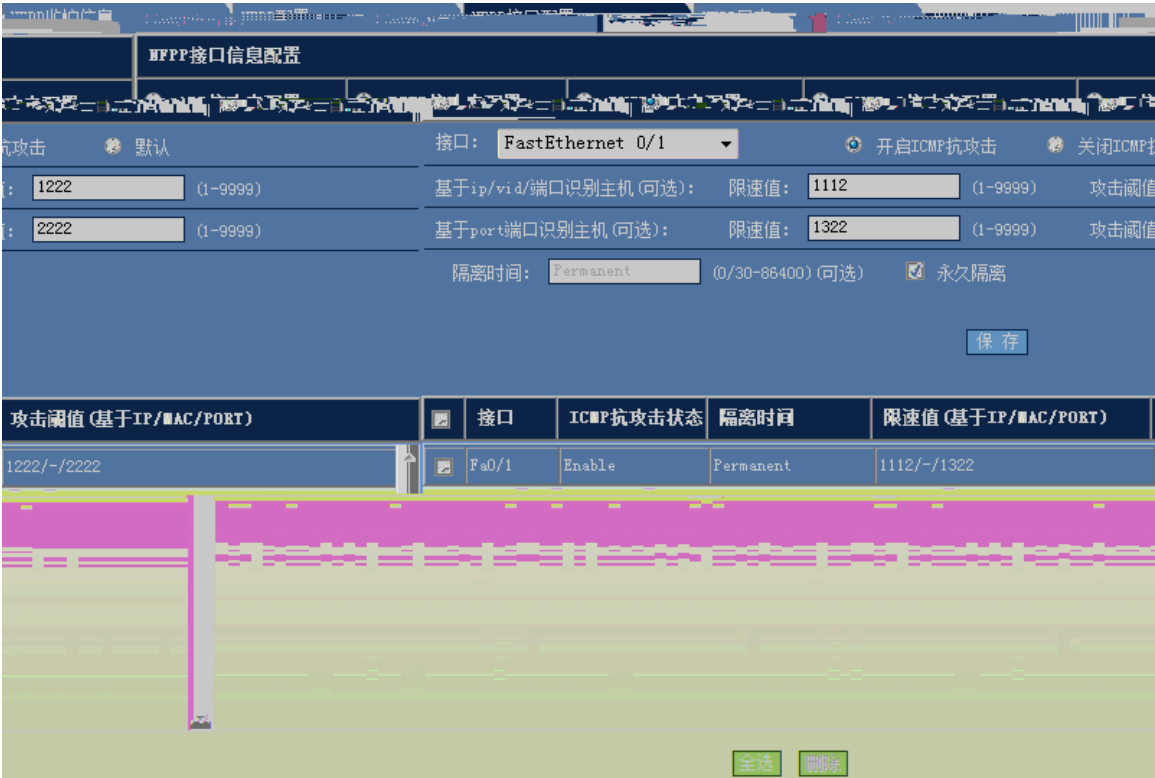
ARP



ARP NFPP

2) ICMP

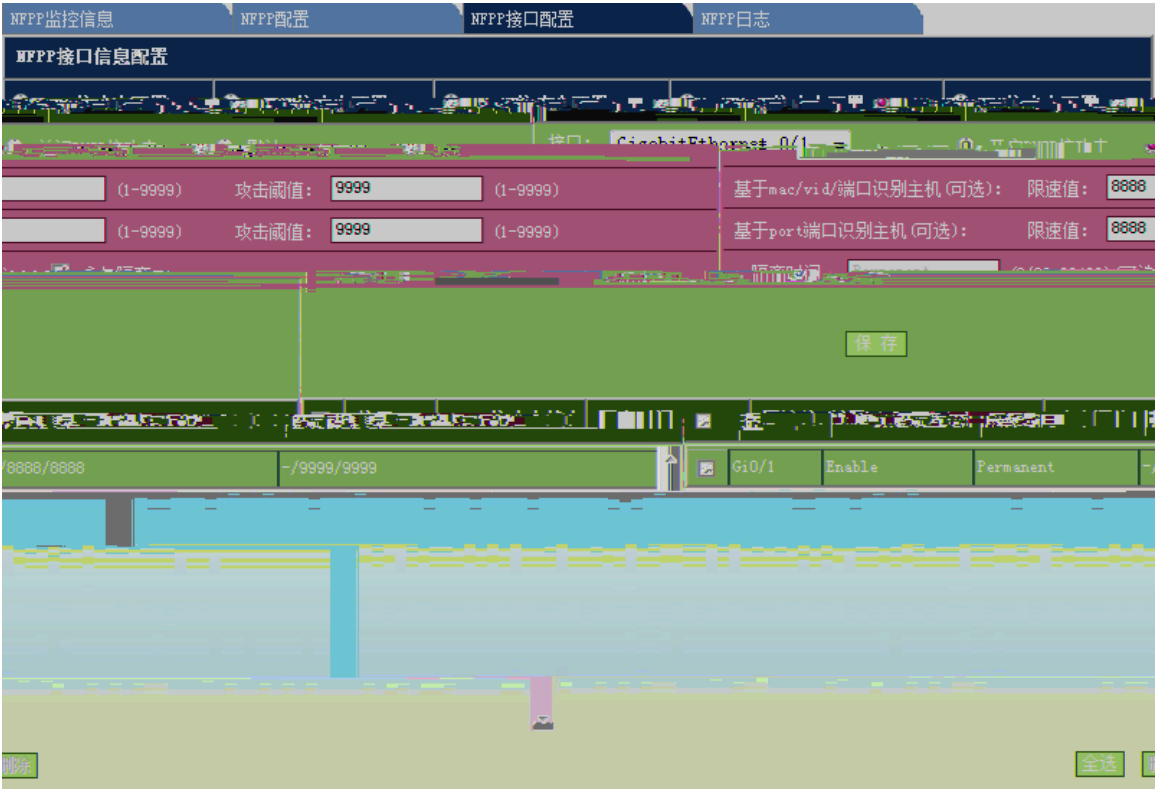
1-32 NFPP NFPP ICMP



ICMP NFPP

3) DHCP

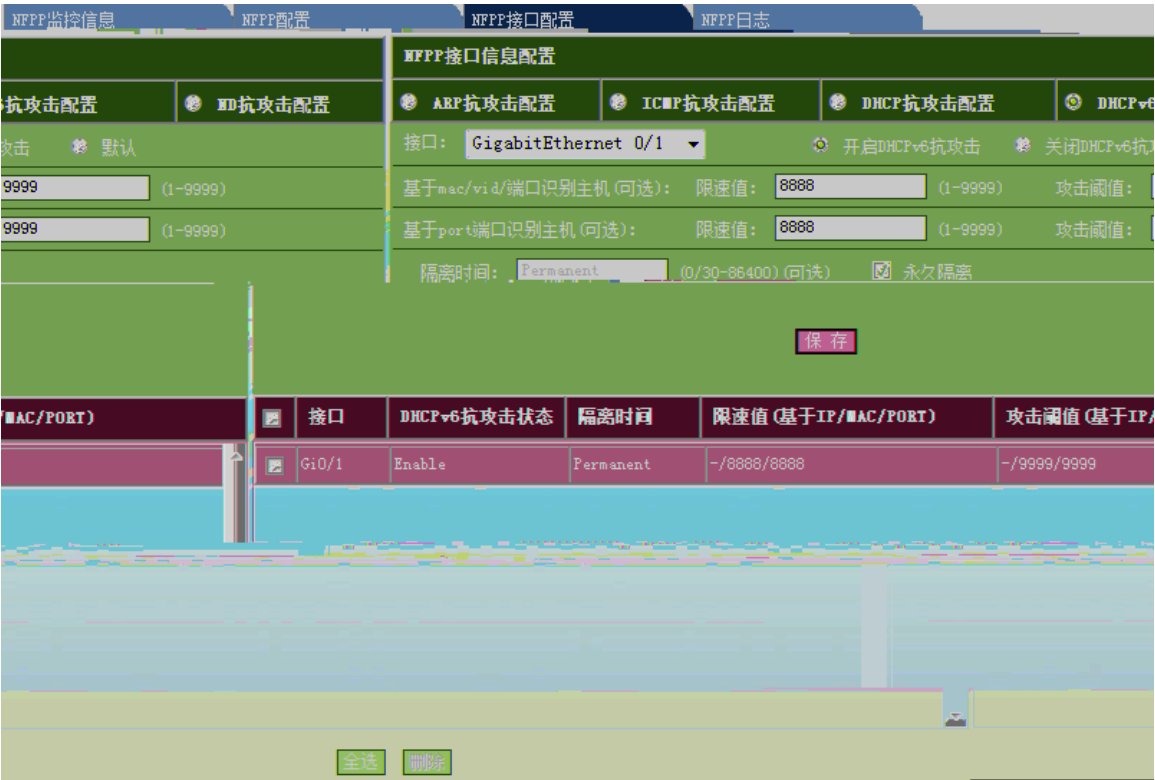
AC NFPPyDHCP



DHCP NFPP

4) DHCPv6

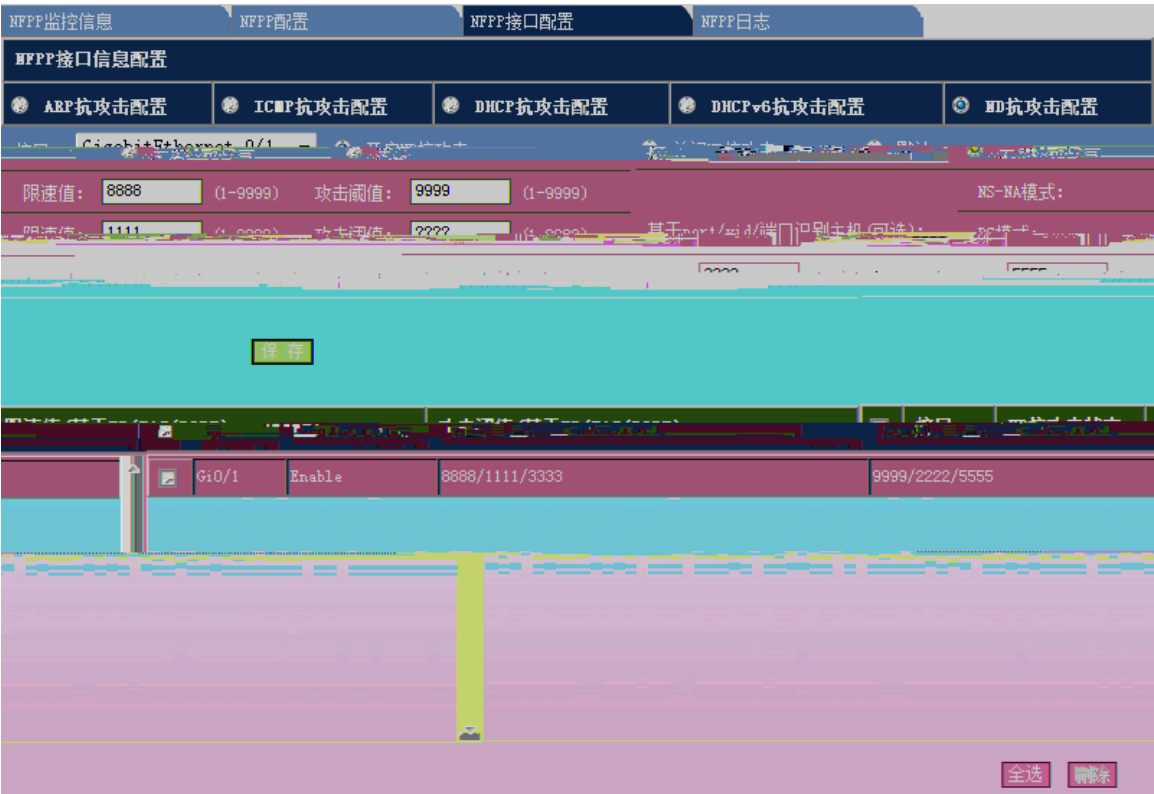
1-34 NFPP NFPP DHCPv6



DHCPv6 NFPP

5) ND

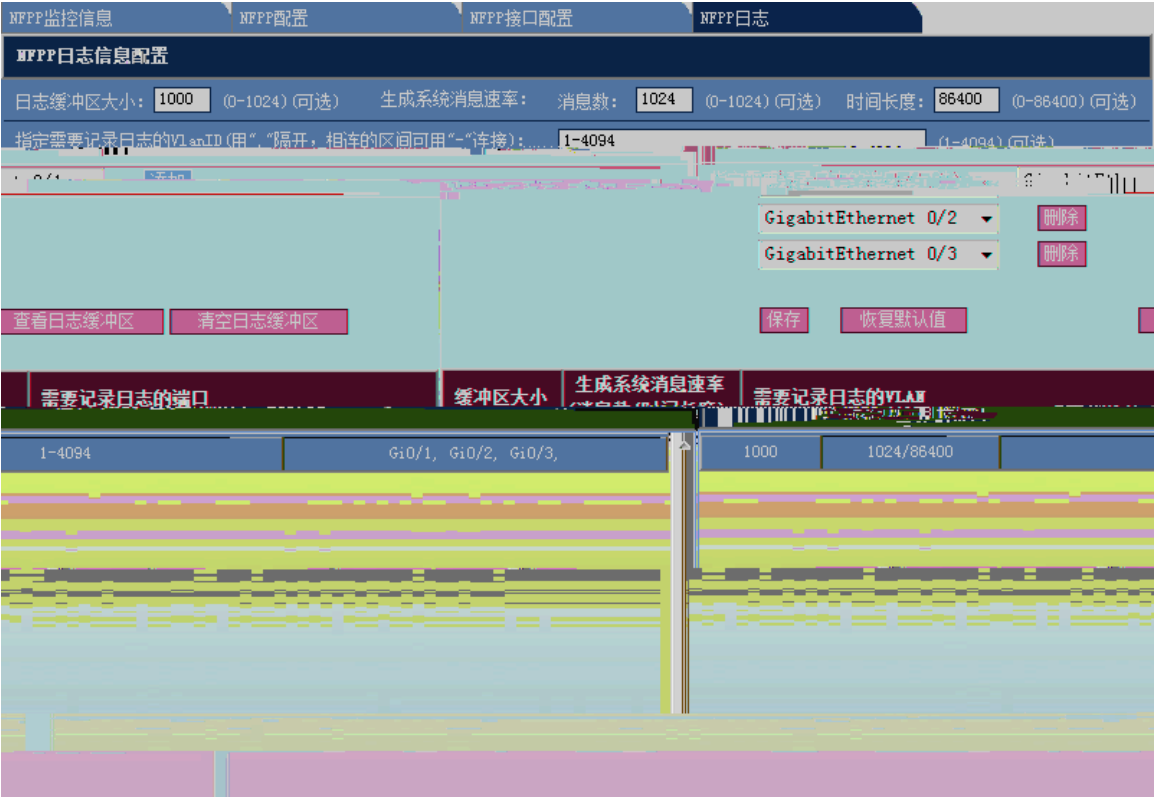
1-35 NFPP NFPP ND



ND NFPP

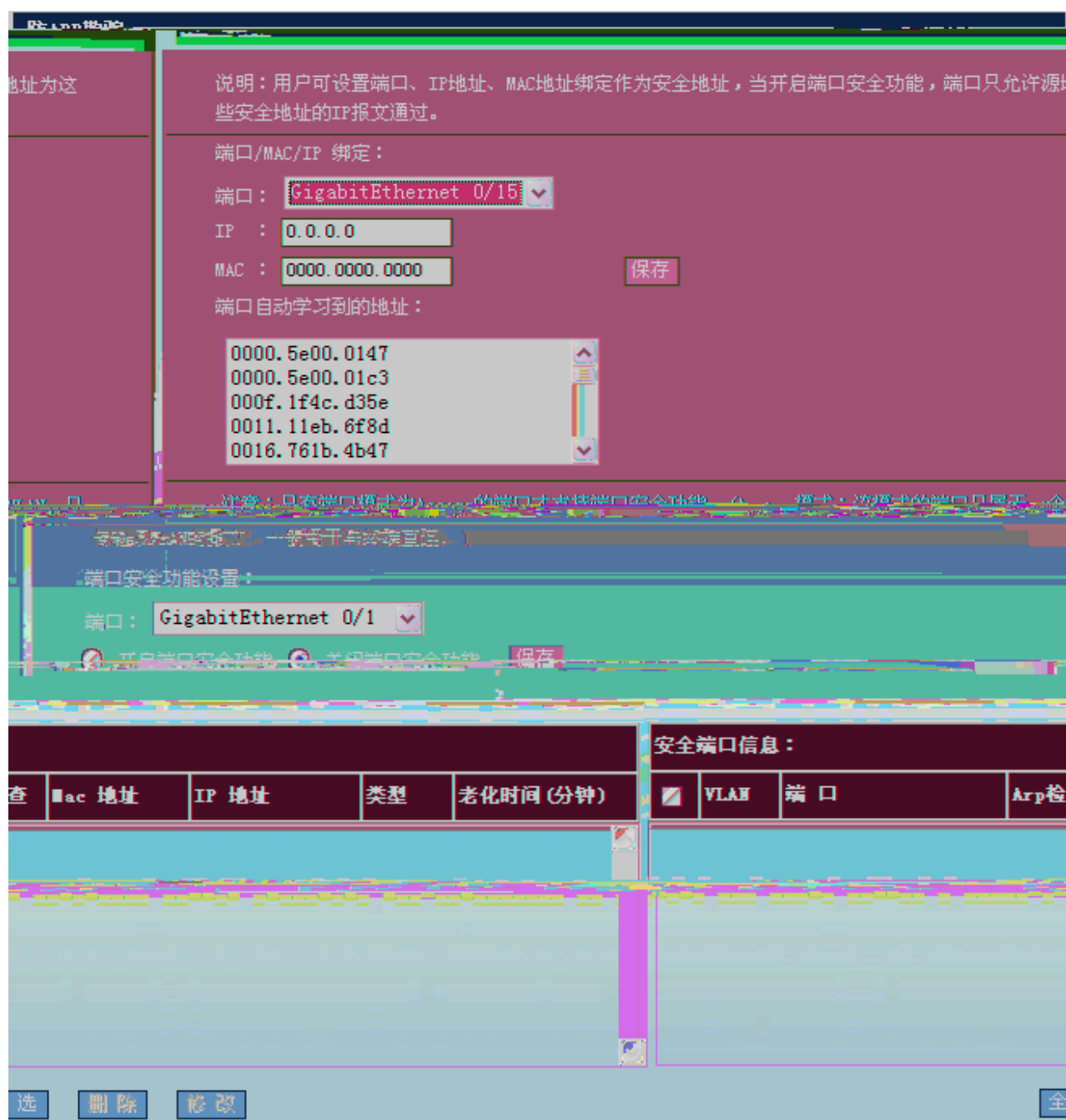
NFPP

1-36 NFPP



NFPP





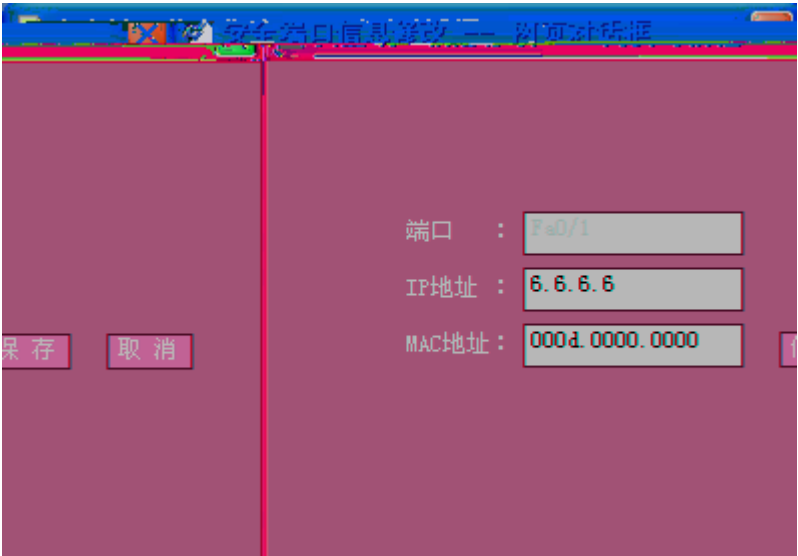
/MAC/IP

/MAC/IP

IP	MAC
----	-----

MAC

1-40



1.6.3 APR

ARP

ARP

1-41 ARP

ARP

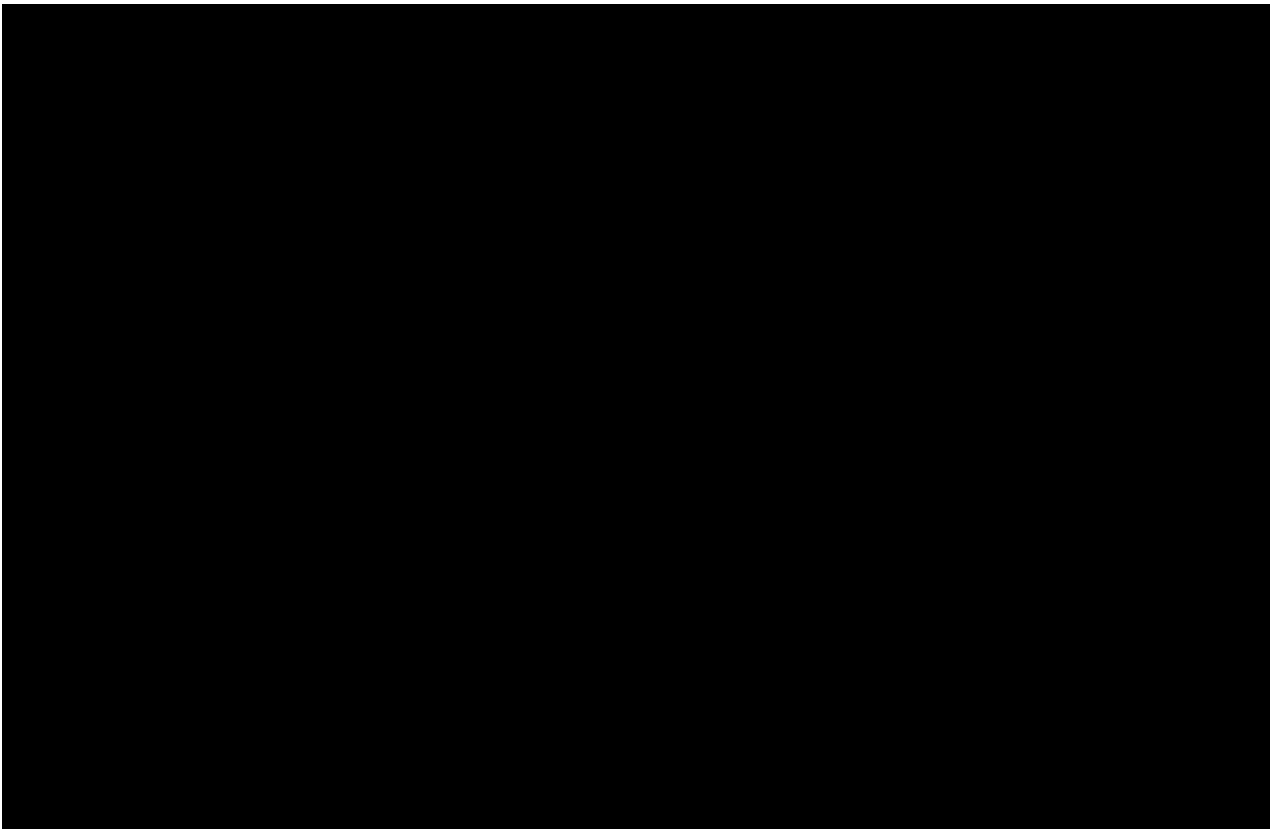
ARP

1.6.4 ACL

ACL

ACL

1-42 ACL



ACL

ACL			ACL	ACL	ACL
	ACL	ACE	ACE		
ACL			ACE		
ACL					
	IP		IP		IP
1-43	IP				

ID
IP 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



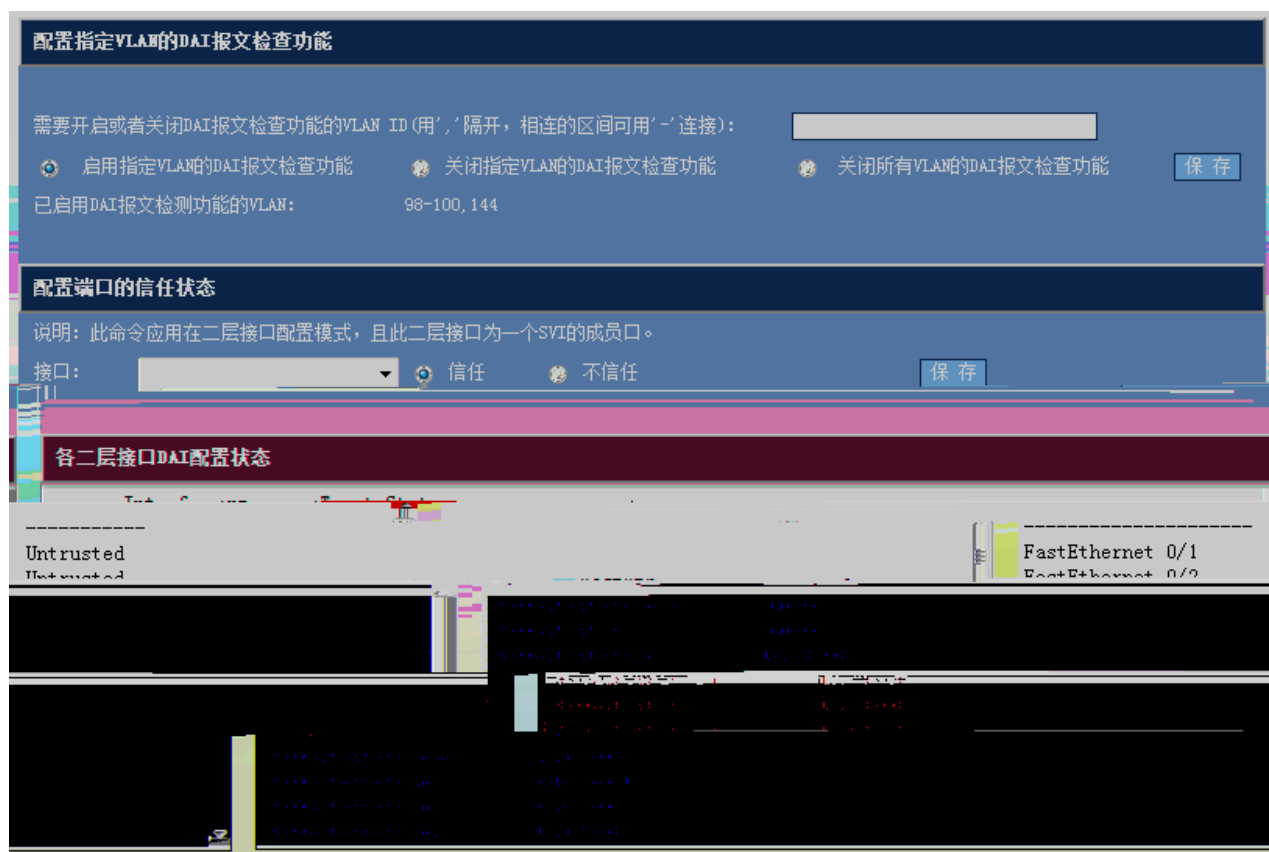
1.6.6 DAI

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

DAI

ARP

ARP

DAI

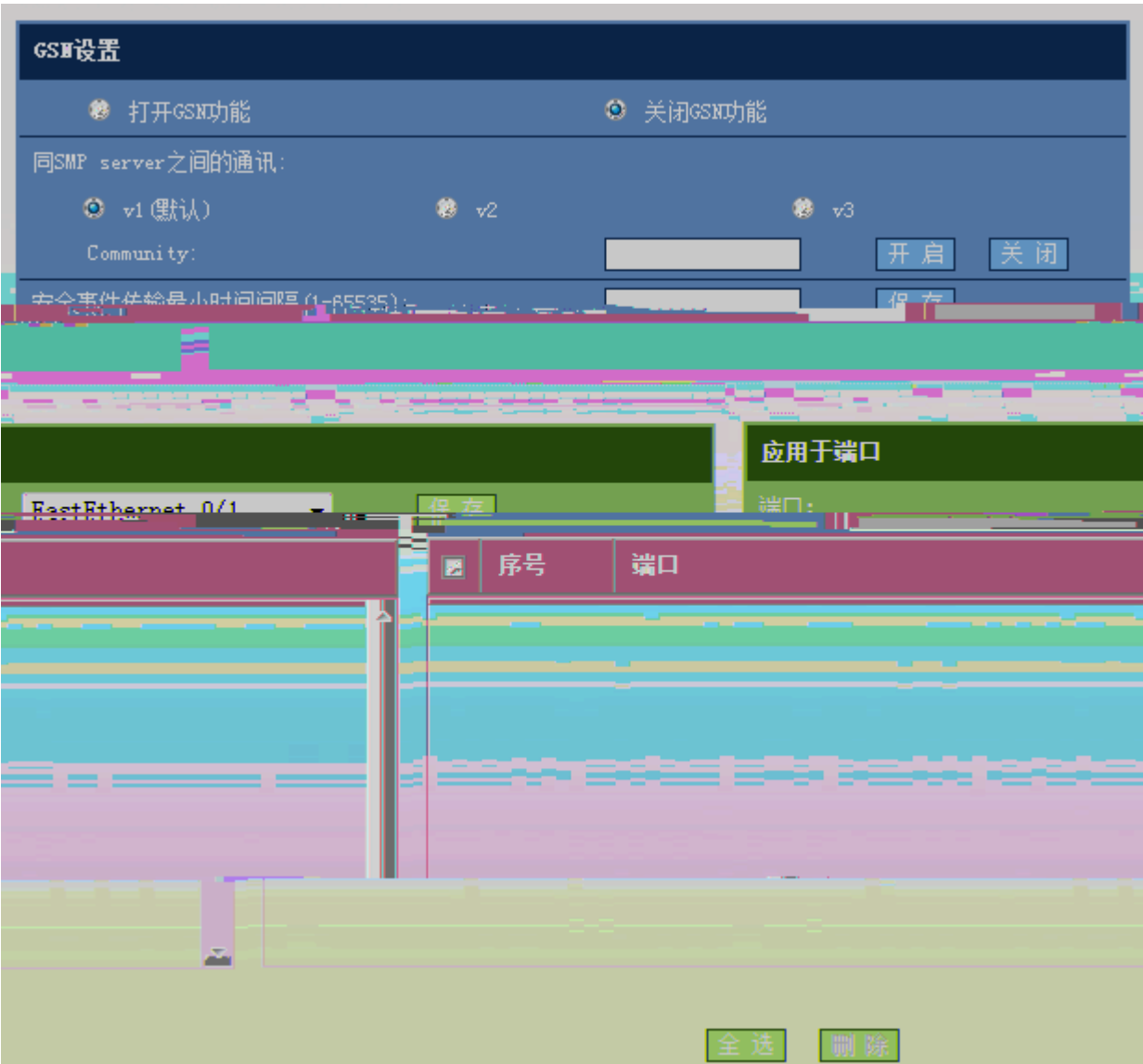
DAI

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			
Type	Bandwidth	Priority	
ip-guard	180	7	
dot1x	2000	4	
rldp	180	7	
	180	7	rerp
	180	7	etps
	180	6	hodu
tunnel-bpdu	180	6	
ipv4-icmp-local	1600	6	
lldp	180	5	
lldp_cdp	180	5	
cfn-pdu	180	3	

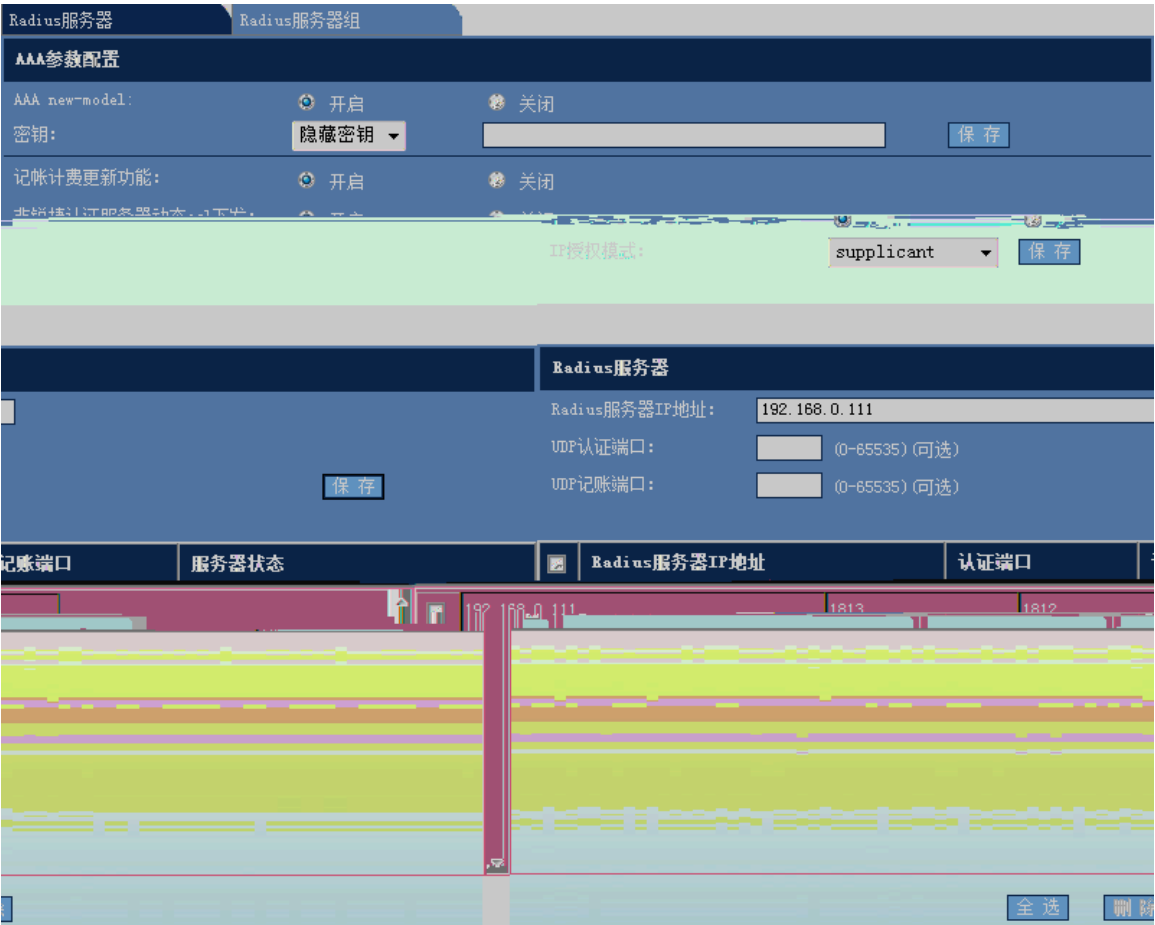
1-53

1.6.9 RADIUS

RADIUS

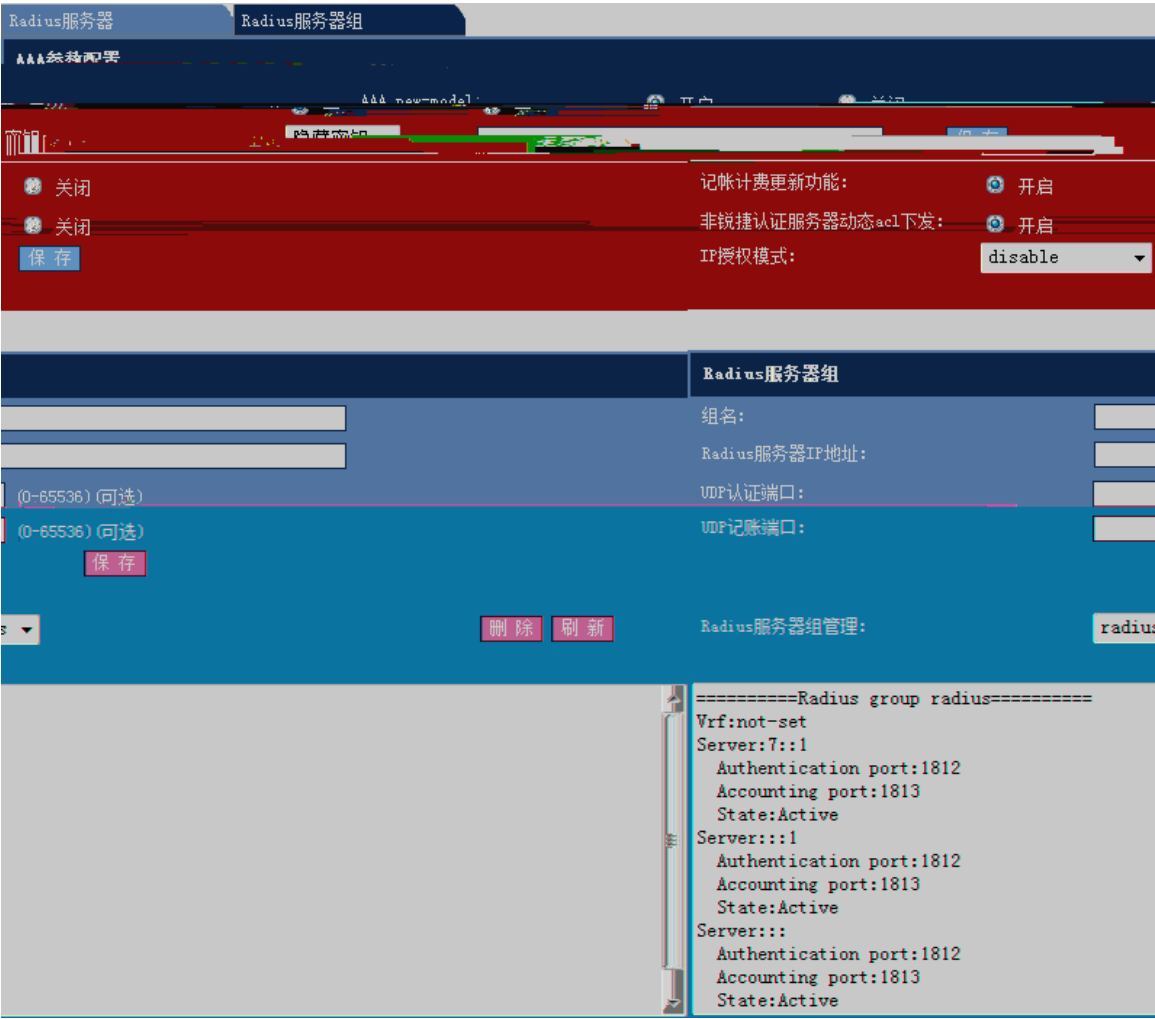
RADIUS

1-54 RADIUS



RADIUS ->R8XIP





RADIUS IP

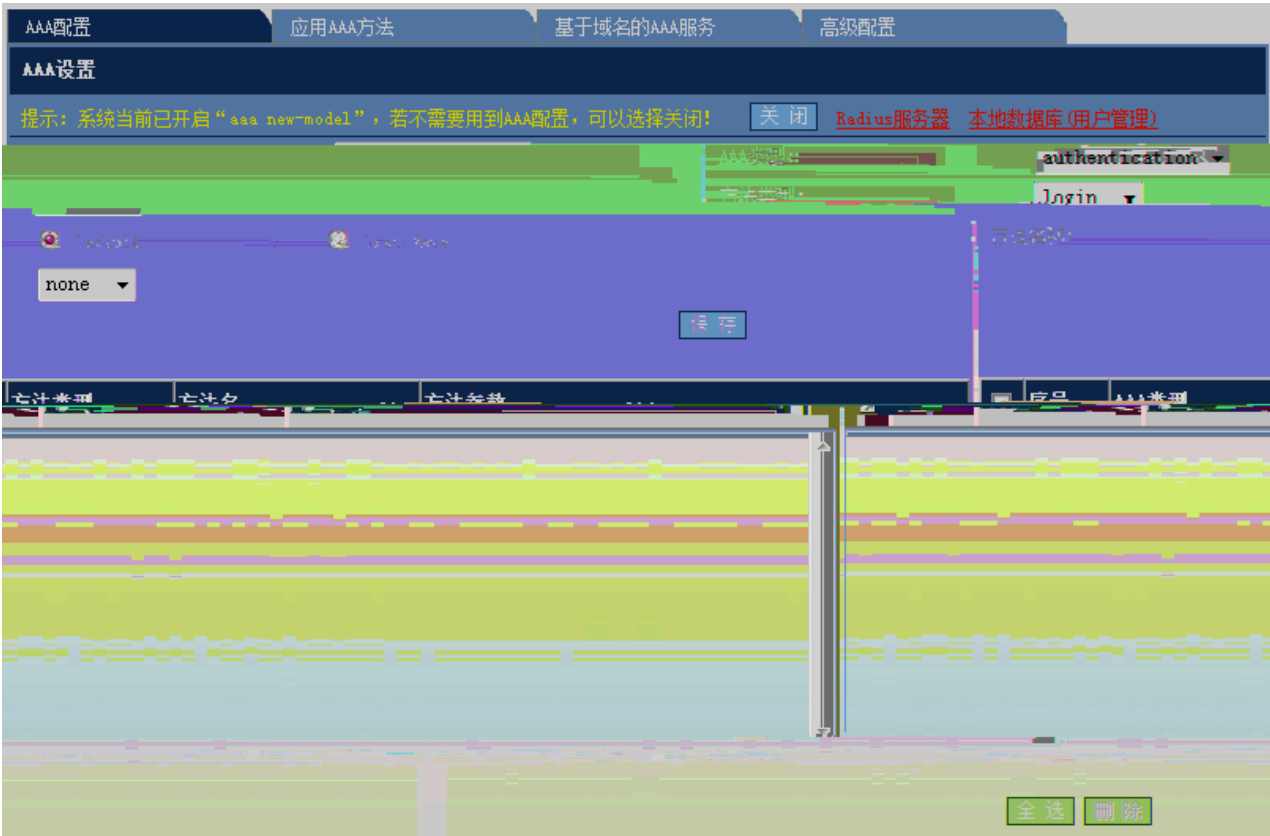
Radius

1.6.10 AAA

AAA

AAA

1-56 AAA



AAA

AAA	authentication	authorization	accounting	AAA	login	enable
ppp	dot1x	exec	command	network	List Name	
	local	group				

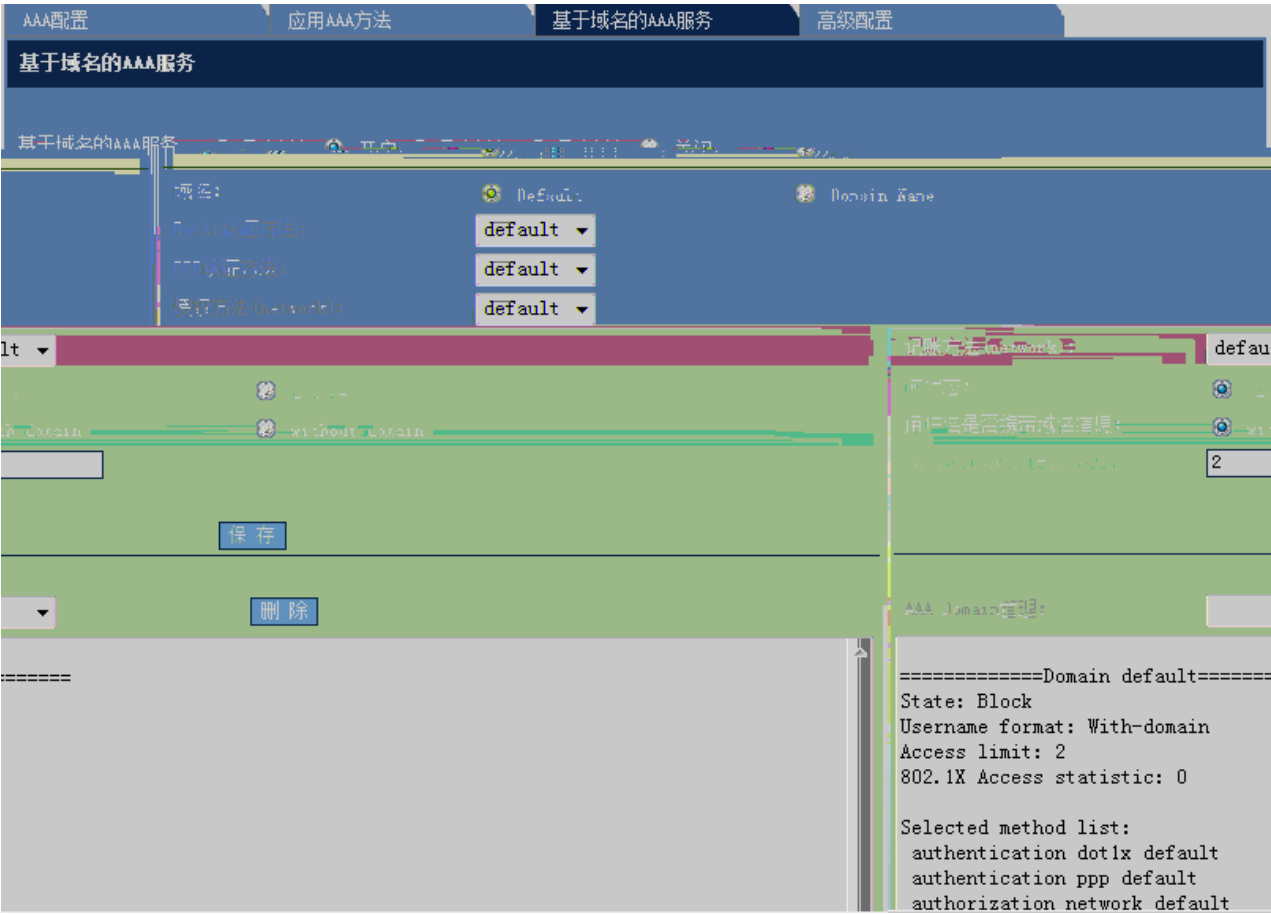
AAA

1-57 AAA

AAA AAA

AAA

1-58 AAA



AAA Dot1x PPP (network) (network)

Access Limit

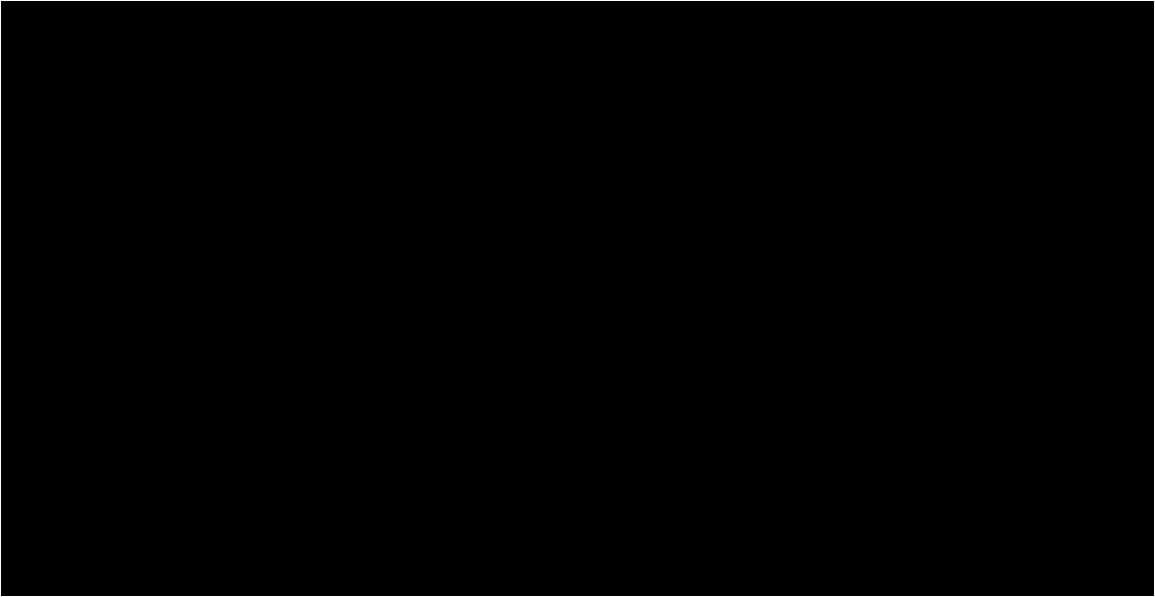
AAA Domain

Dot1x

1-61

1-62

1



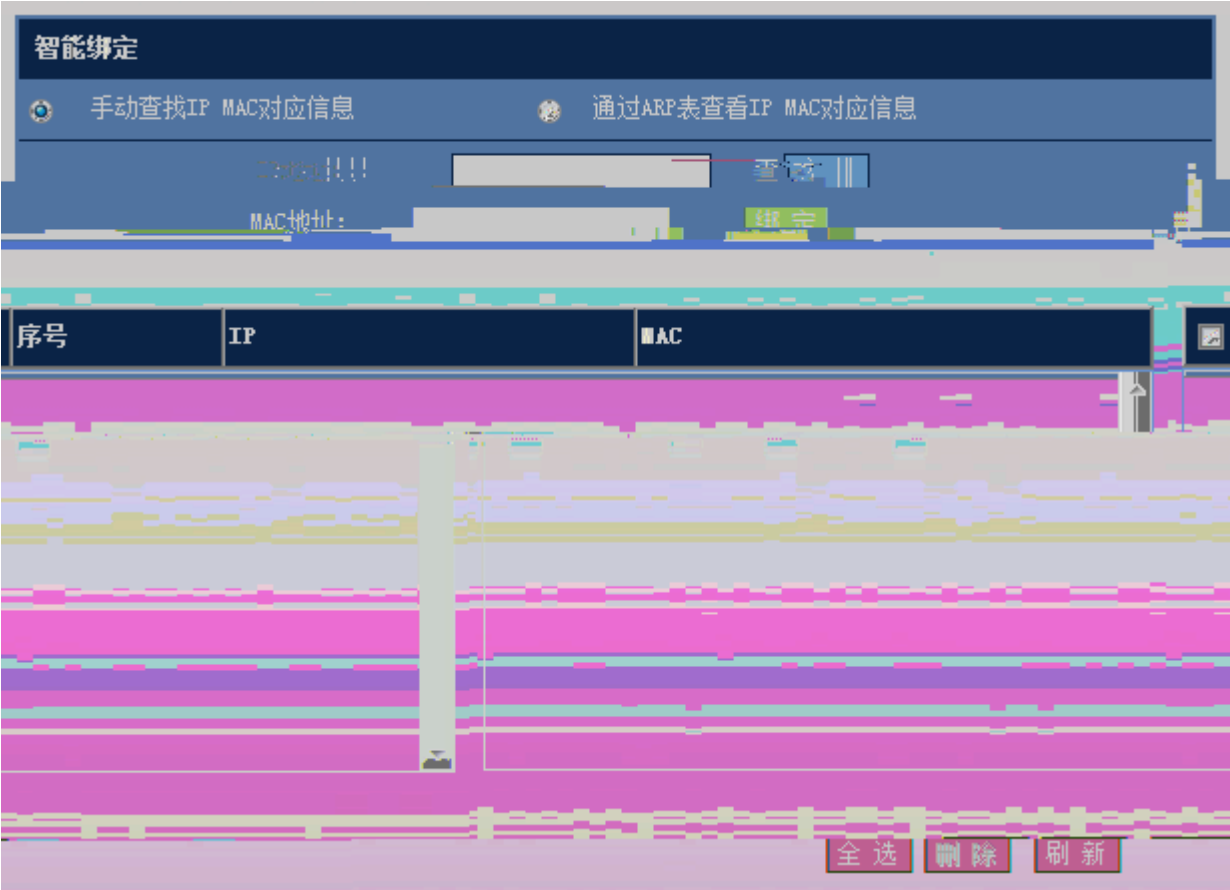
802.1x

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:

0.0.0.0

认证页面URL:

重定向端口 (最多可以配置10个，中间使用英文逗号分开):

80

未认证用户的最大HTTP会话数 (0-255，可选):

255

每个端口下 (1-65535, 可选):

维持重定向连接的超时时间 (1-10秒，可选):

3

保存

设备与认证服务器之间的通信密钥:

恢复默认

保存

保存

线用户信息的更新时间间隔 (30-3600秒):

60

恢复默认

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

Vlan List:

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：

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

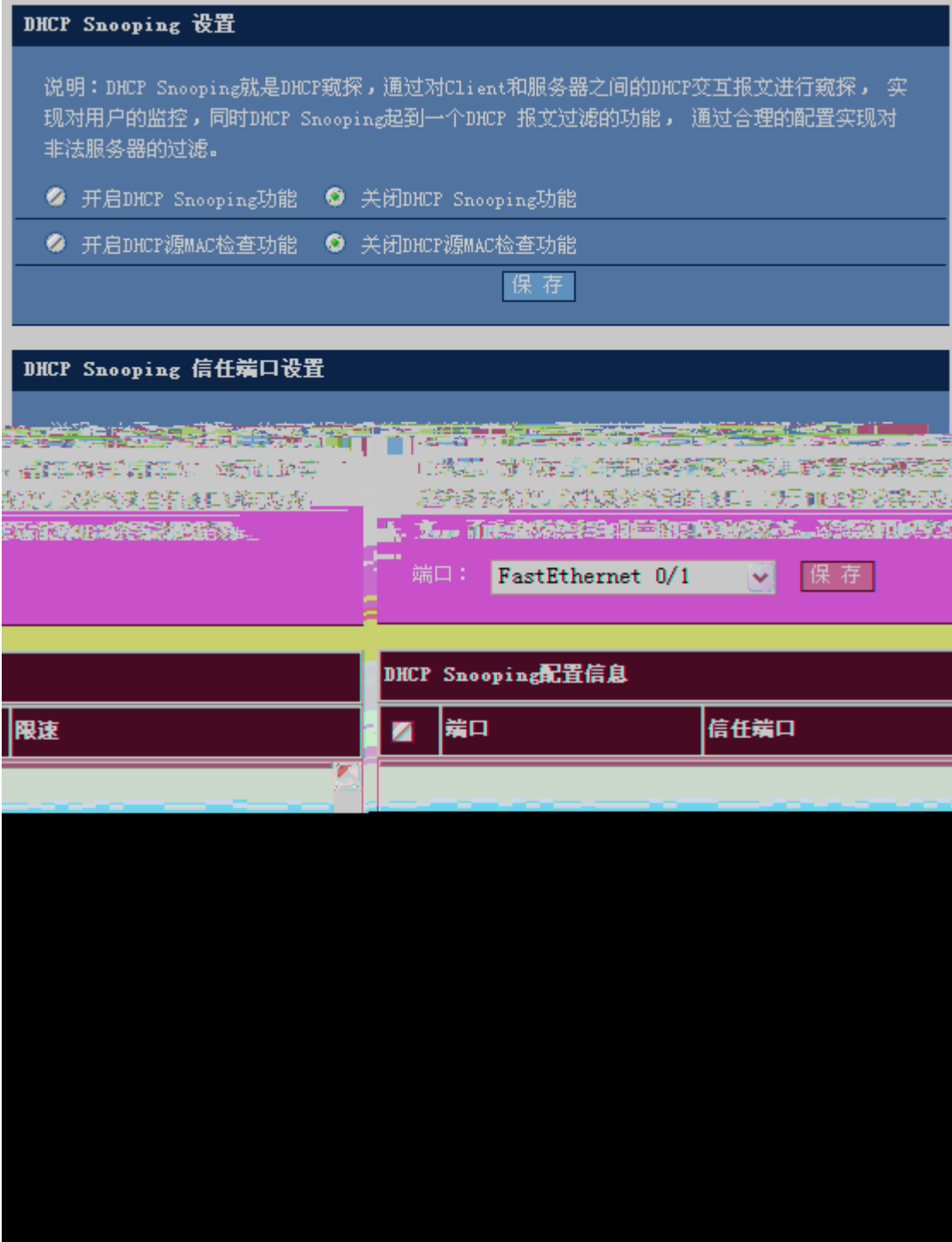
IP

1.6.14 DHCP Snooping

DHCP Snooping

DHCP Snooping

1-71 DHCP Snooping



DHCP Snooping

DHCP Snooping

DHCP Snooping	MAC
1. Enable DHCP Snooping globally: <pre> Switch(config)# ip dhcp snooping </pre> 2. Enable DHCP Snooping on the interface: <pre> Switch(config)# interface <i>interface-id</i> Switch(config-if)# ip dhcp snooping </pre> 3. Configure the trusted port (optional): <pre> Switch(config-if)# ip dhcp snooping trust </pre> 4. Configure the maximum number of MAC addresses per IP (optional): <pre> Switch(config-if)# ip dhcp snooping limit rate <i>rate</i> </pre>	1. Enable MAC address learning on the interface: <pre> Switch(config)# interface <i>interface-id</i> Switch(config-if)# mac address-table learning </pre> 2. Configure the maximum number of MAC addresses (optional): <pre> Switch(config-if)# mac address-table maximum <i>count</i> </pre>

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

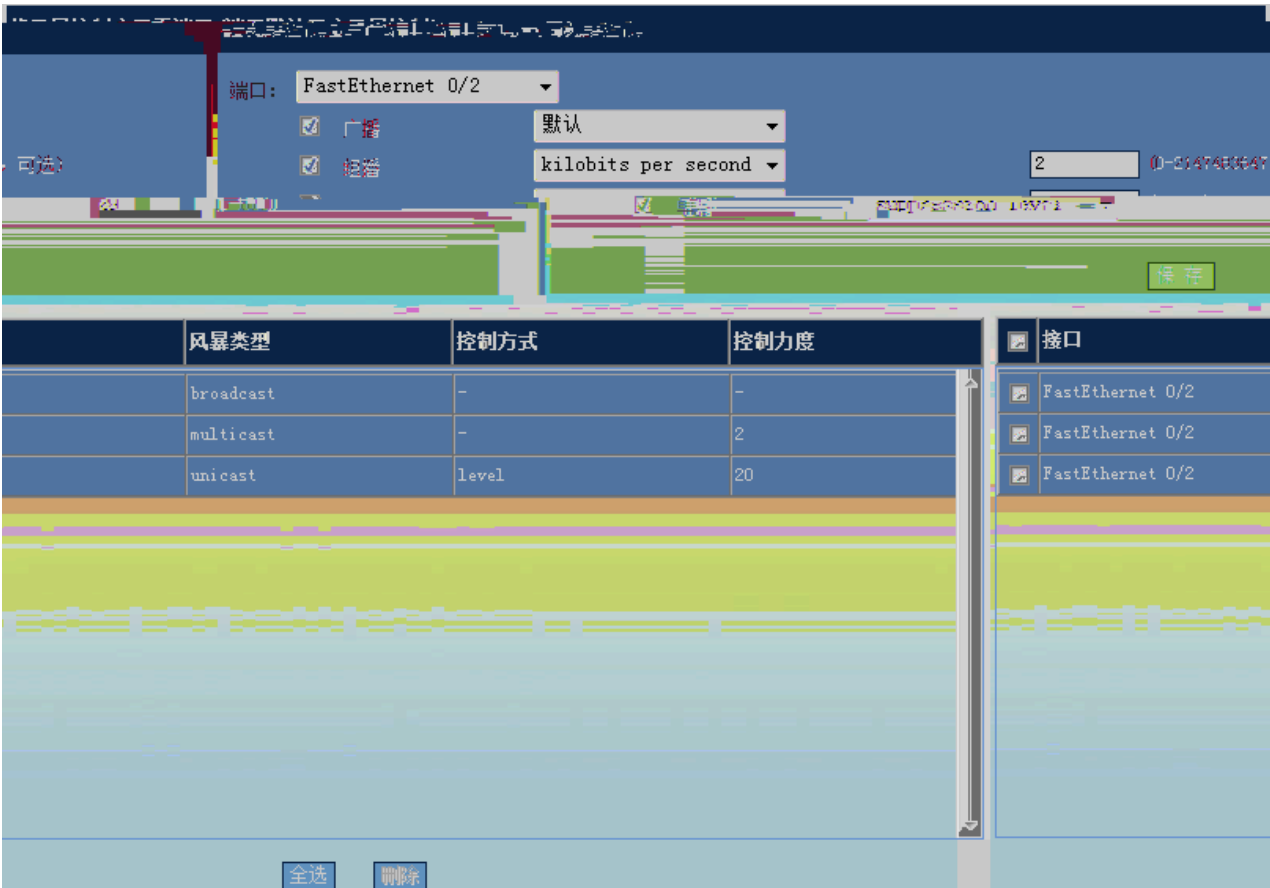
☒	端口	方向	策略名	信任模式	COS
☒	FastEthernet 0/1	-	-	-	-
☒	FastEthernet 0/2	-	-	-	-
☒	FastEthernet 0/3	-	-	-	-
☒	FastEthernet 0/4	-	-	-	-
☒	FastEthernet 0/5	-	-	-	-
☒	FastEthernet 0/6	-	-	-	-
☒	FastEthernet 0/7	-	-	-	-
☒	FastEthernet 0/8	-	-	-	-
☒	FastEthernet 0/9	-	-	-	-
☒	FastEthernet 0/10	-	-	-	-
☒	FastEthernet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

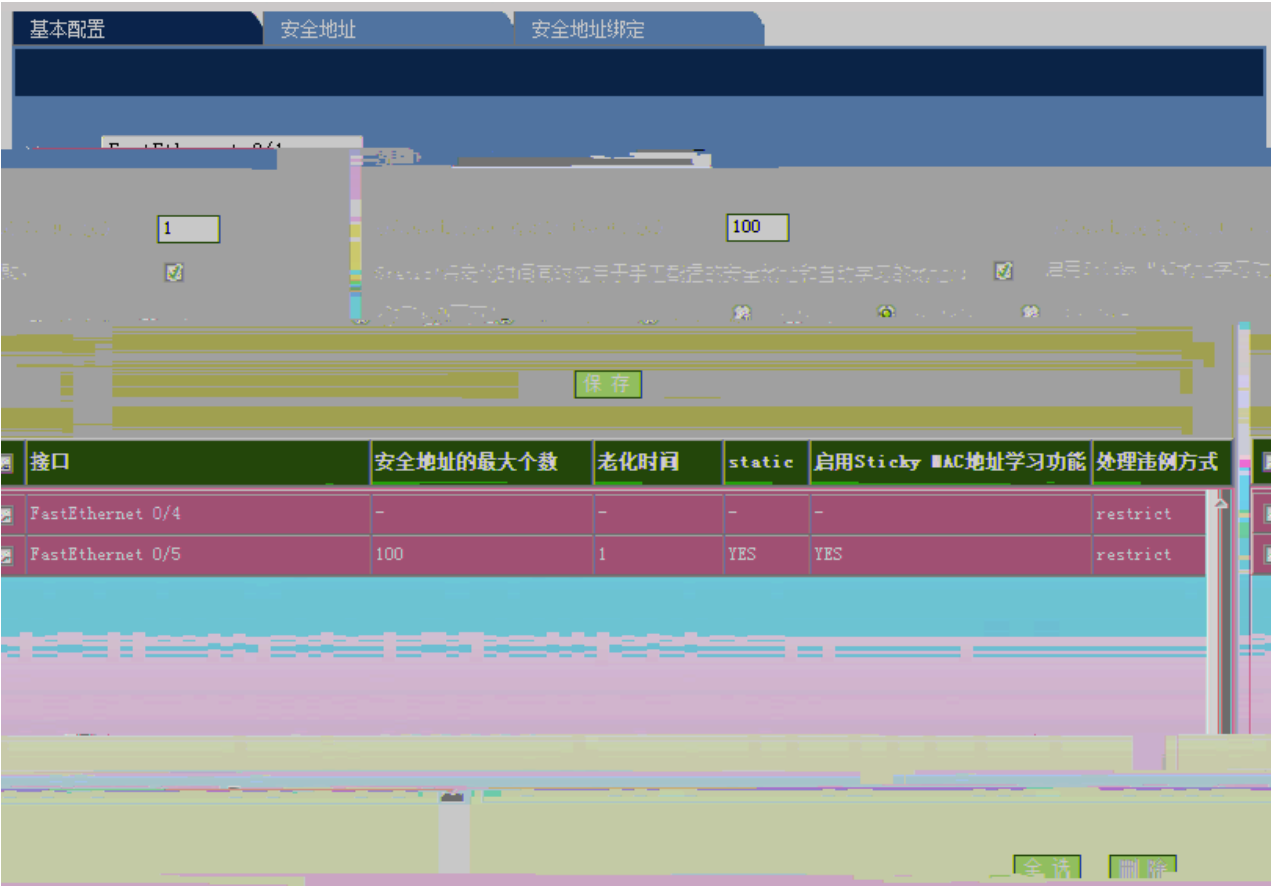
全选
删除

1.7.4

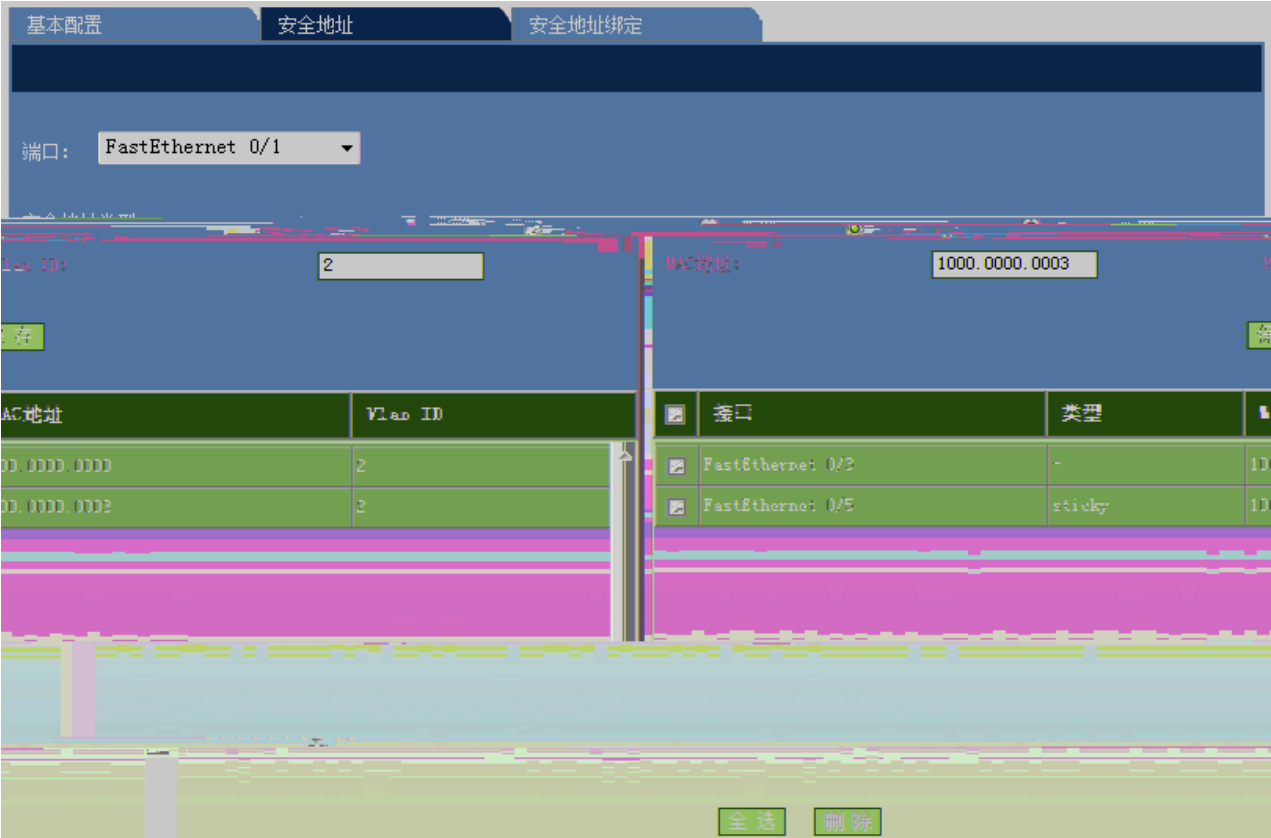
1.75

1-75





Static Sticky Mac



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):

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
10	1.2.3.3	FastEthernet 0/1	1000.0000.0000

全选

删除

Mac

Mac

VLAN ID

Vlan

IP

MAC

Vlan

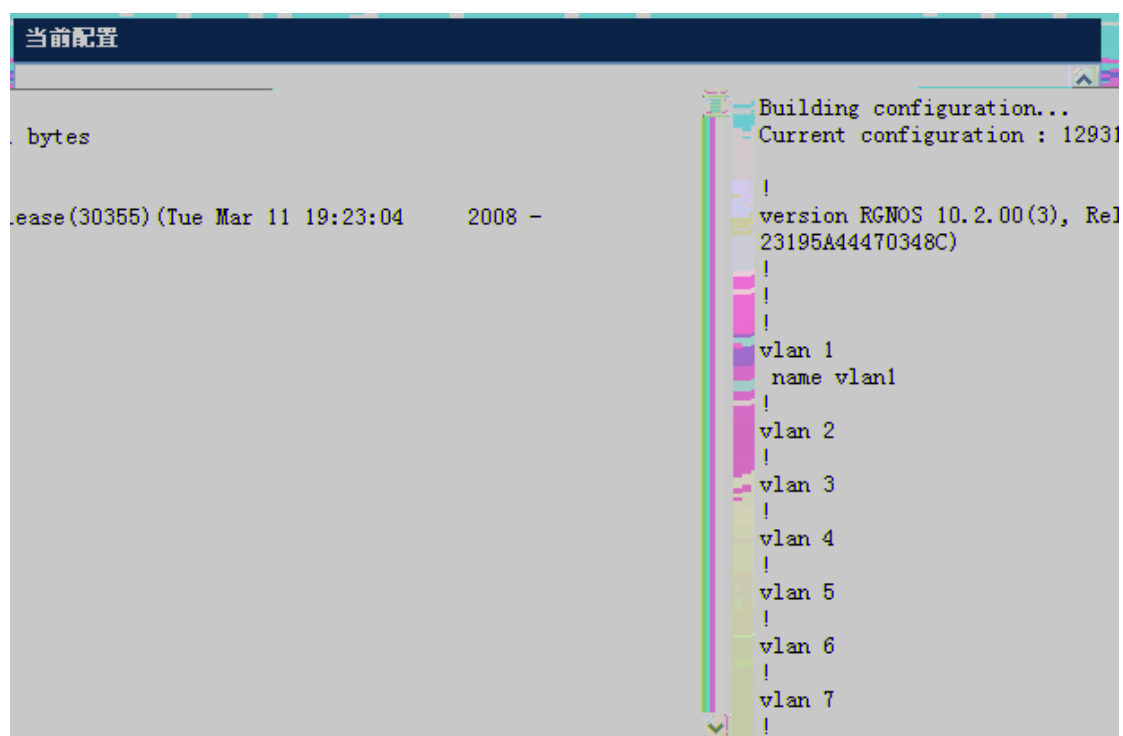
1.8

1.8.1

1-79

1.8.2

1-80



1.8.3

1-81

端口状态					
端 口	状 态	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

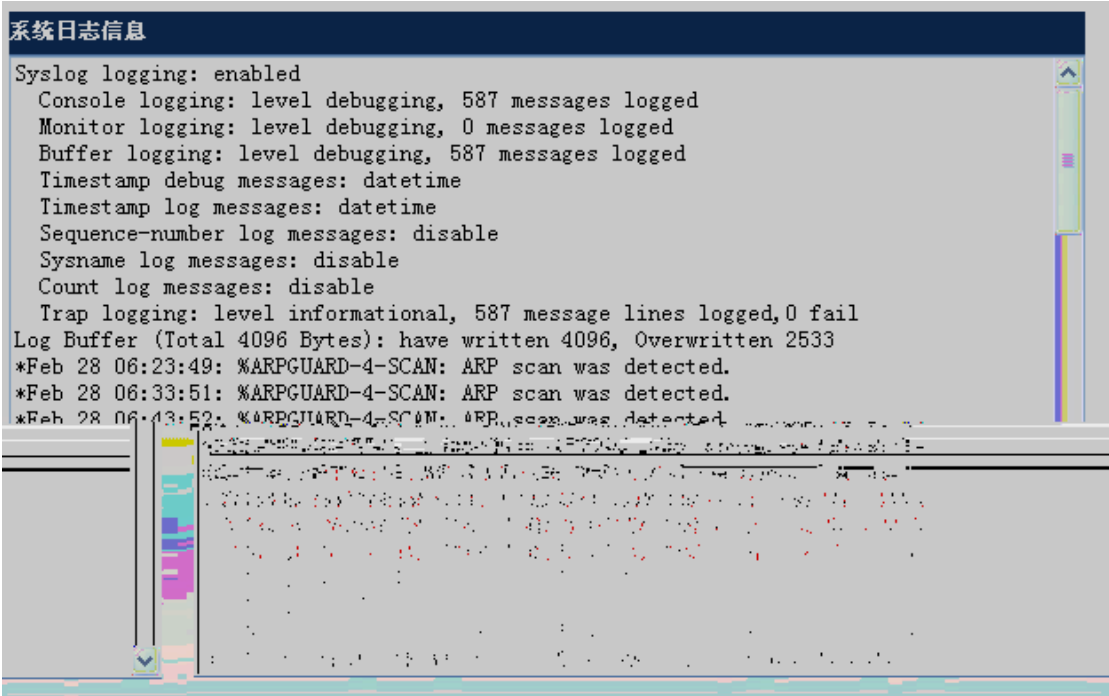
1-82

1.8.5

1-83

1.8.6

1-84



1.9

1.9.1 Ping

Ping

Ping

1-85 Ping

IP

IP

Ping

1.9.2

1-88

用户管理 -- 网页对话框

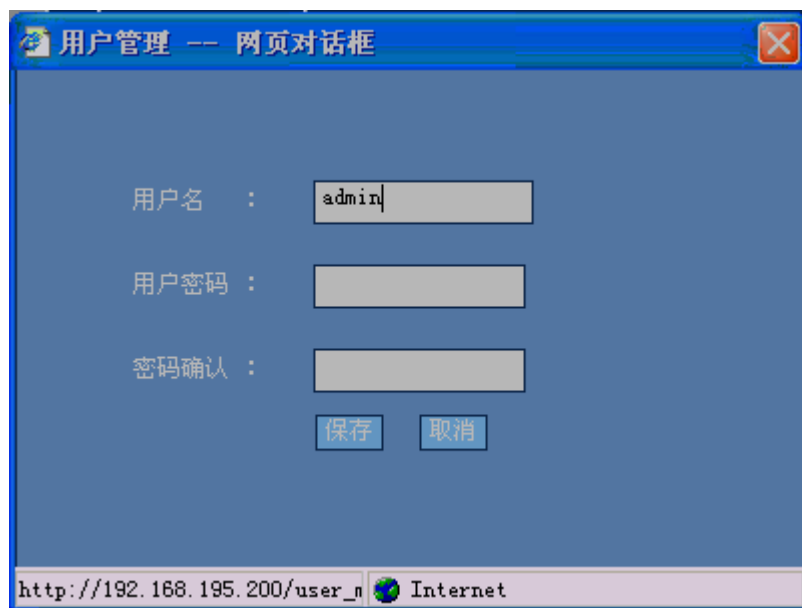
用户名 :

用户密码 :

密码确认 :

http://192.168.195.200/user_m Internet

1-89



用户管理 -- 网页对话框

用户名 :

用户密码 :

密码确认 :

http://192.168.195.200/user_m Internet

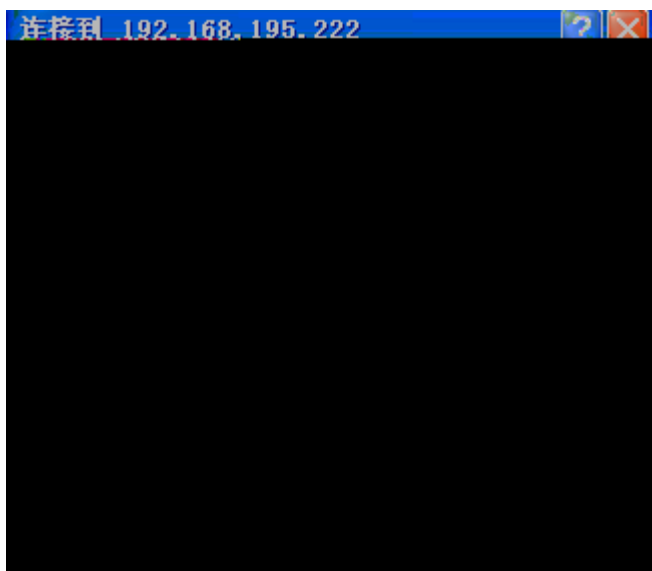
a

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

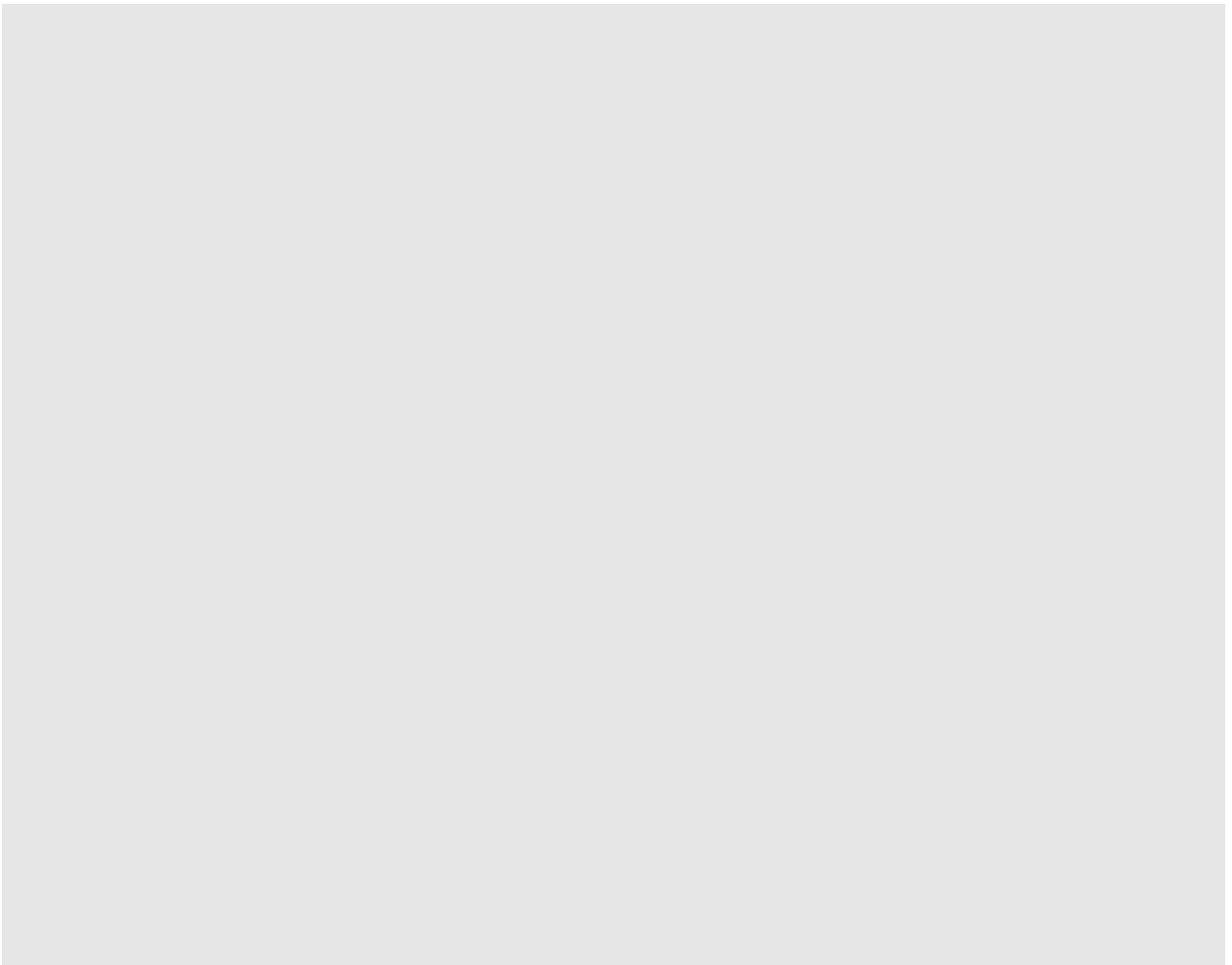
WEB

Enable

Enable

IP

Local



Enable

