

WEB

RSR20-X-28

RGOS 10.4(3b84)

V1.0

©2017



RGOS®



锐捷®

RGOS 10.4 (3b84)

-
-
-

-

<http://www.ruijie.com.cn/>

-

<http://webchat.ruijie.com.cn>

-

<http://www.ruijie.com.cn/service.aspx>

- 7 24

4008-111-000

-

<http://bbs.ruijie.com.cn/portal.php>

-

<http://www.ruijie.com.cn/service/know.aspx>

-

4008111000@ruijie.com.cn

[] []

{x|y|...}

[x|y|...]

//

2)



3)



1 WEB

1.1



RSR20-X-28 RSR20-X-52 RSR30-X-SPU10

1.1.1

WEB IE Firefox Chrome

WEB WEB WEB WEB
WEB IE Firefox Chrome

1.1.2

WEB

WEB WEB
HTTPS TLS1.0 HTTP

WEB

WEB WEB IE Firefox Chrome Safari WEB

1.2

1.2.1

- WEB
- WEB
- IP

- WEB WEB WEB
- IE Firefox Chrome Safari IE (Maxton)
WEB
- PC 1280*1024
1440*900 WEB

1.2.2

, WEB IP 192.168.1.1 255.255.255.0 WEB
 admin admin Windows XP

WEB

WEB	
WEB	, IP 192.168.1.1
WEB	admin admin

 RSR10-X Slot1/0~Slot1/3;

 RSR20-X Slot1/0~Slot1/23;

 Slot1/0 Slot1/0

PC PC Slot1/0
PC

PC IP

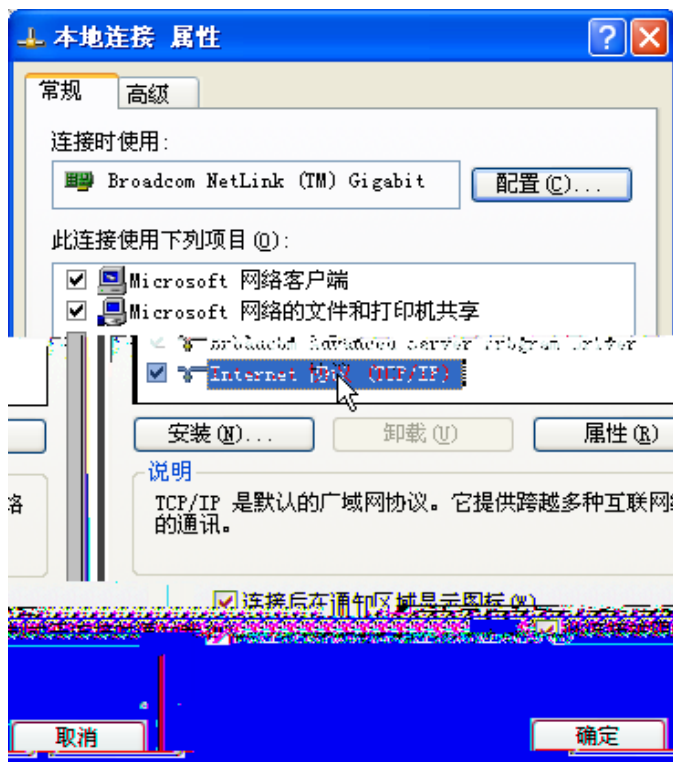
PC

1-1



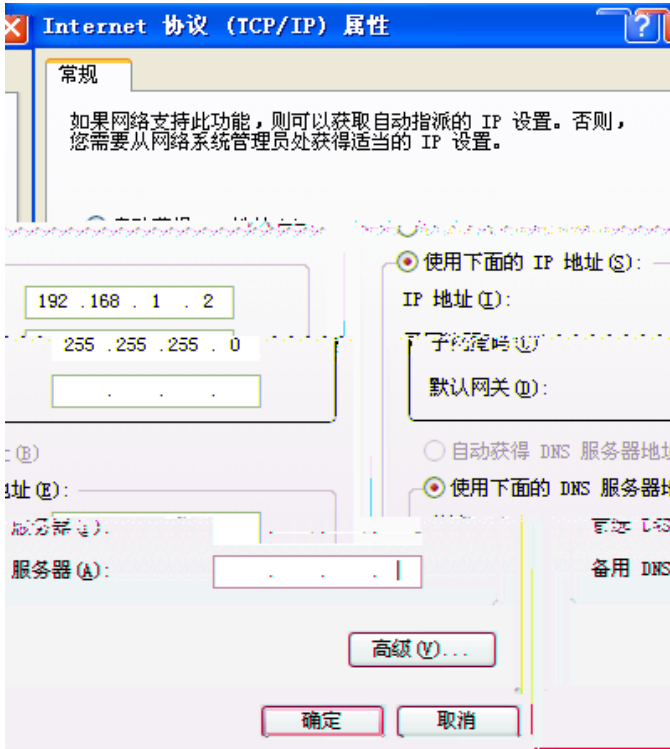
" " " " " Internet TCP/IP "

1-2



" " PC IP
 " Internet TCP/IP " " IP " " IP " 192.168.1.xxx xxx
 2 254 " " 255.255.255.0 " " 192.168.1.1 IP

1-3



IP	192.168.1.1	PC	IP	1,	"	"
----	-------------	----	----	----	---	---

PC

PC " " -> " " -> " cmd" -> " "

ping ping 192.168.1.1

1-4

```

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64
Reply from 192.168.1.1: bytes=32 time<1ms TTL=64

192.168.1.1:
4, Received = 4, Lost = 0 (0% loss),
ip times in milli-seconds:
aximum = 0ms, Average = 0ms

Ping statistics for
Packets: Sent =
Approximate round tr
Minimum = 0ms, M

```

1-5

```
Request timed out.  
Request timed out.  
Request timed out.  
Request timed out.  
  
Ping statistics for 192.168.1.1:  
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

PC

TCP/IP

1.2.3 WEB

	WEB		WEB				
1)		Slot1/0					
2)				IE 7.0			
3)	IP	IP	192.168.1.xxx	xxx	2	254	
	255.255.255.0		192.168.1.1				
	IE	http://192.168.1.1	RSR	WEB			1-6

	WEB	IE10+	Apple Safari	Firefox3.0
---	-----	-------	--------------	------------

1-6

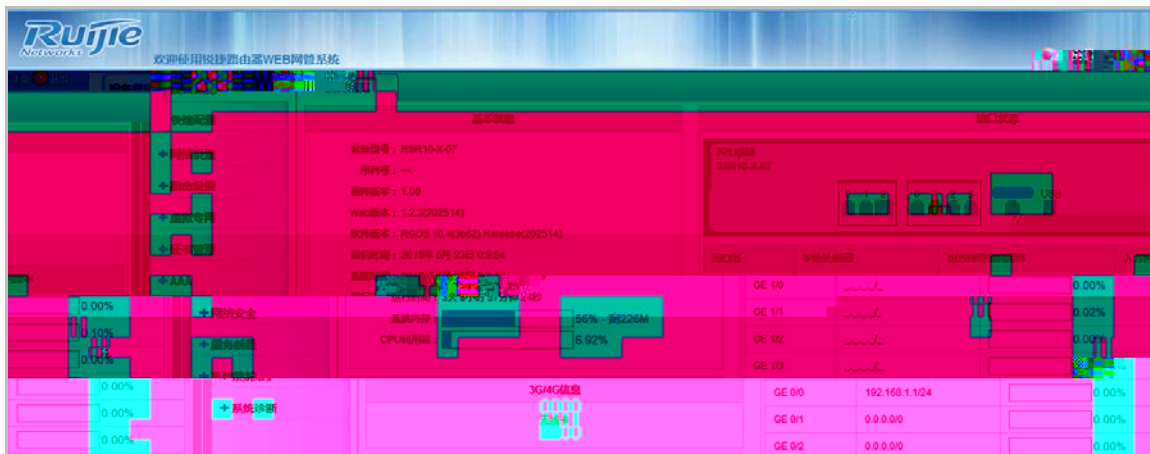


admin/admin

WEB

1-7

1-7:

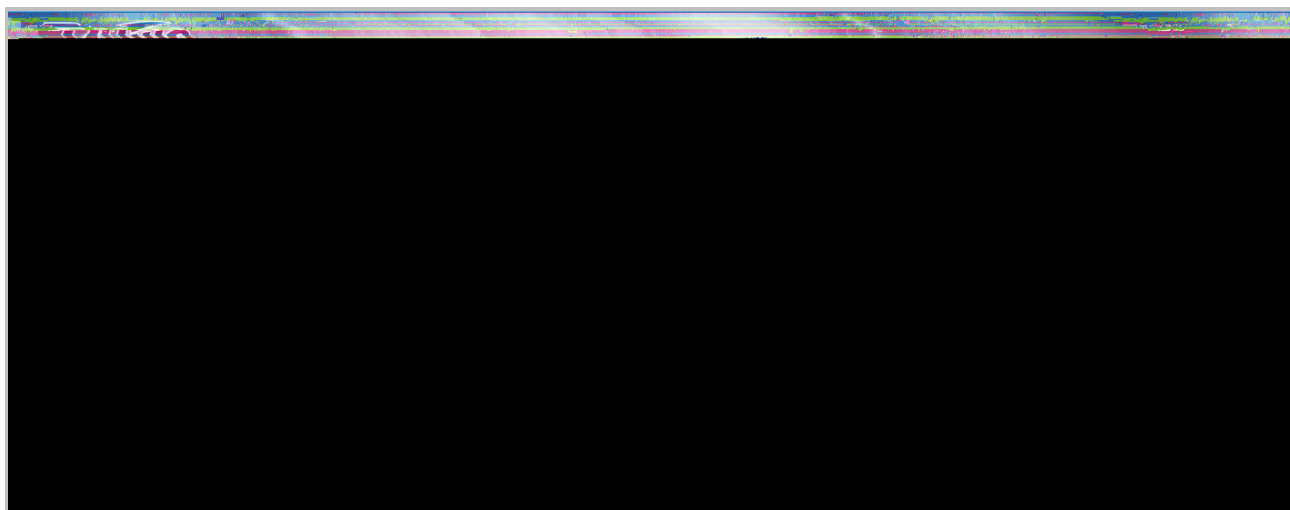


1.2.4 WEB

1.2.4.1

RSR WEB 1-8

1-8 WEB



1-8WEB

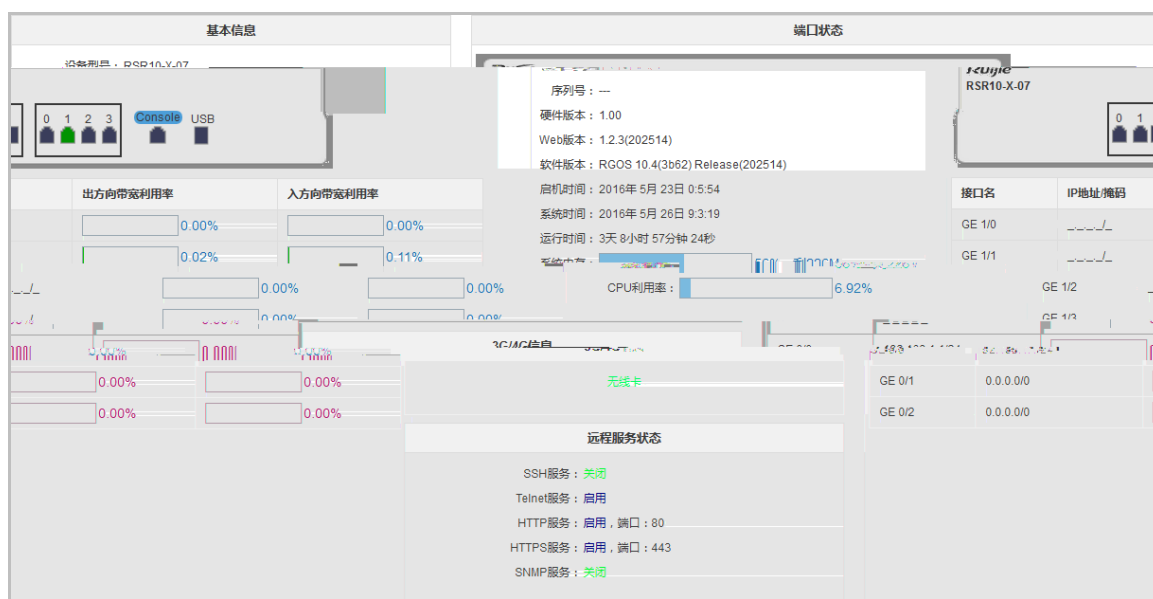
1.3

1.3.1

CPU

WEB

1-9

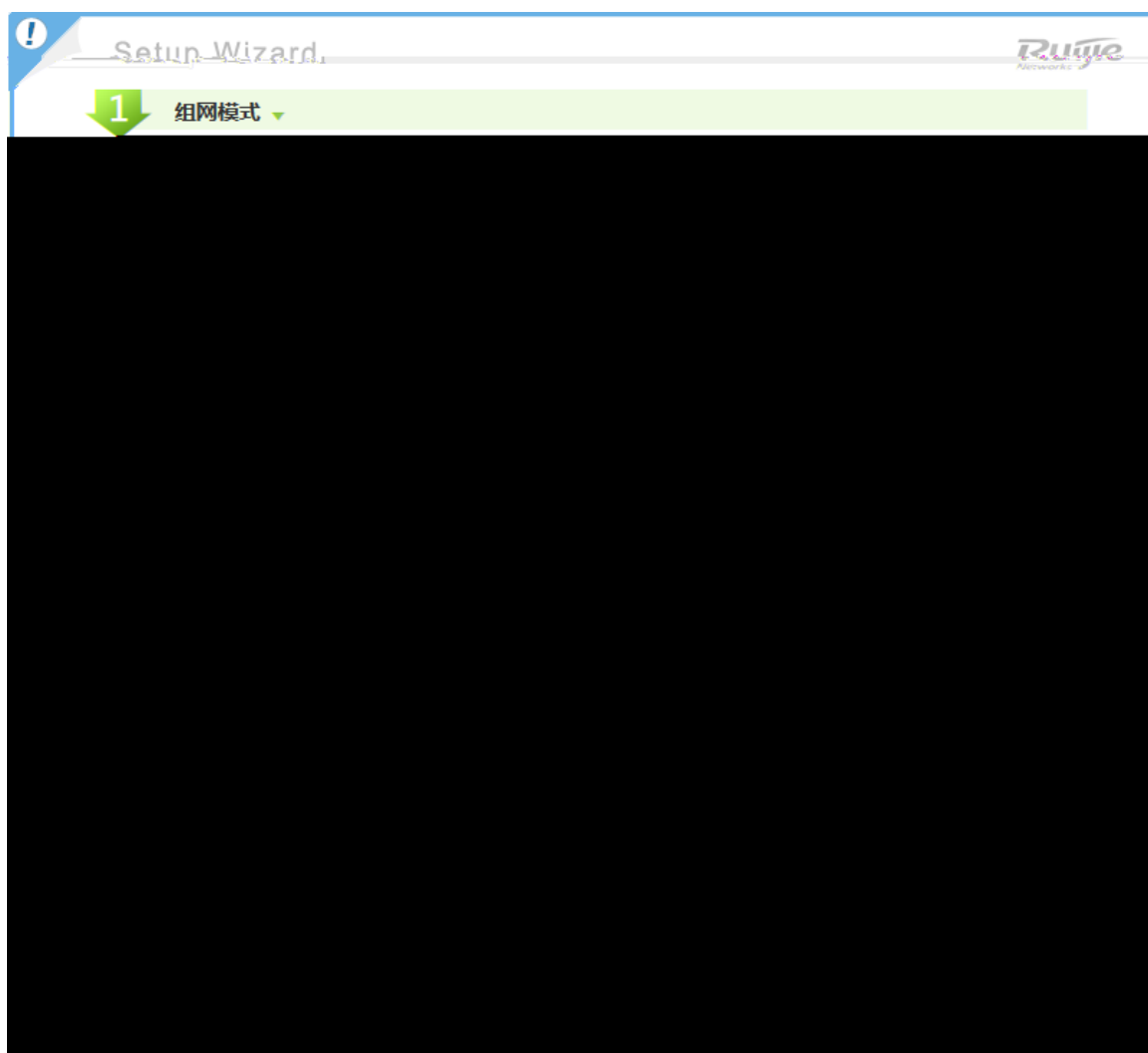


1.3.2

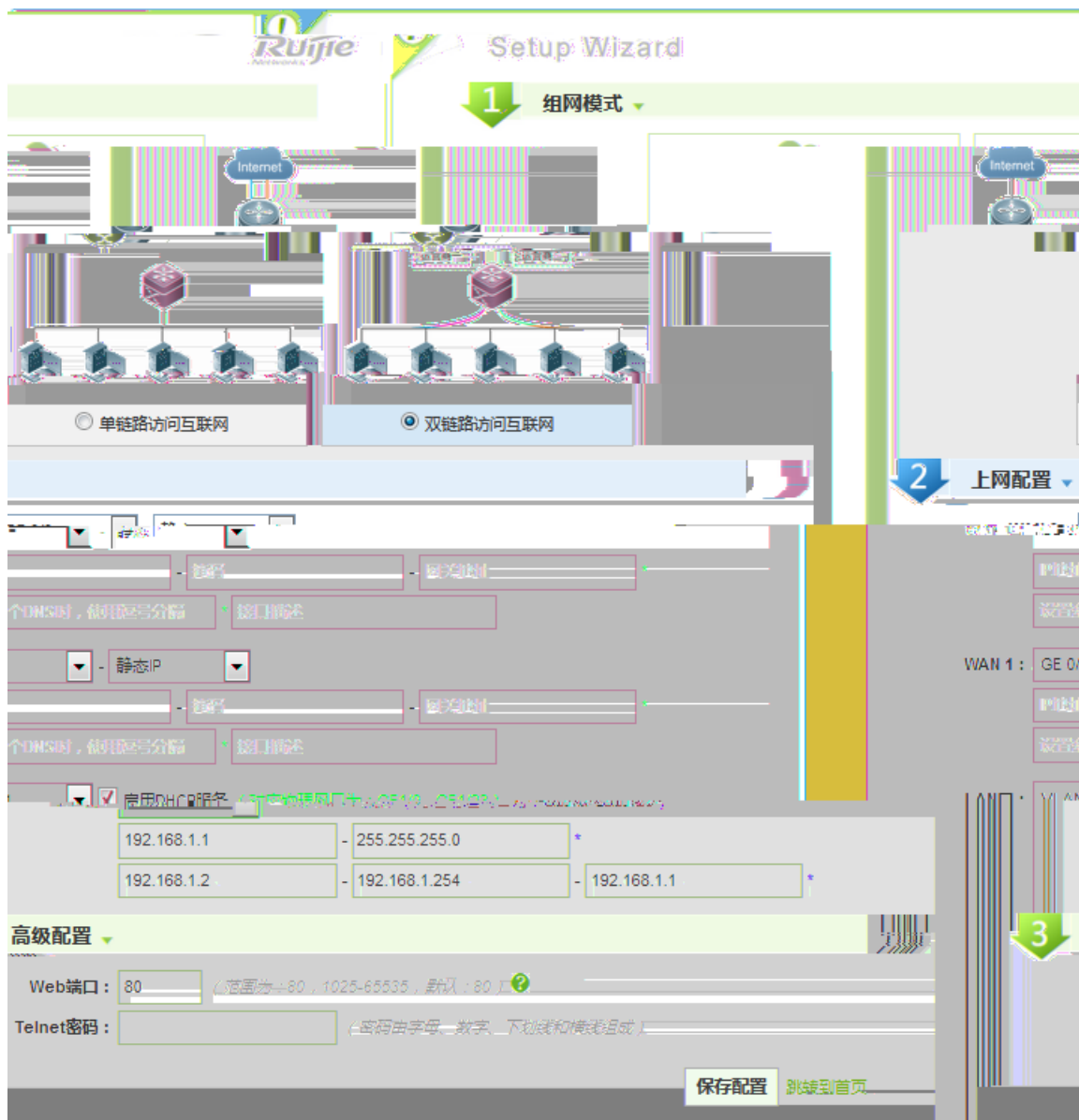
Web

IP /Mask PPPoE(ADSL)

1-10



+



IP /

DNS 1-2 DNS DNS

DHCP IP PC IP
IP

IP / IP

IP IP

LAN IP

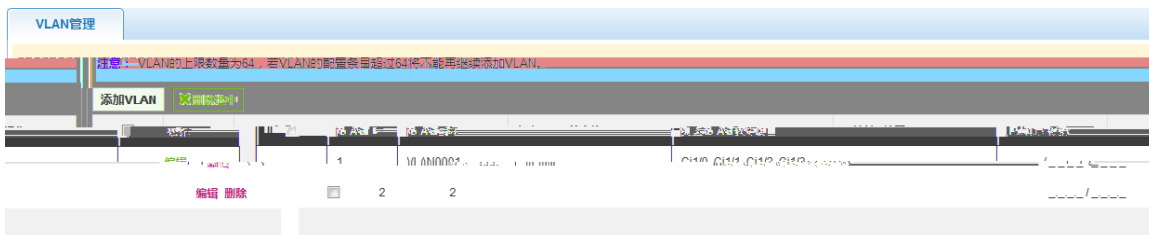
1.3.3

ADSL DHCP IP IP 3G CE1
IP VLAN VLAN

1.3.3.1 VLAN

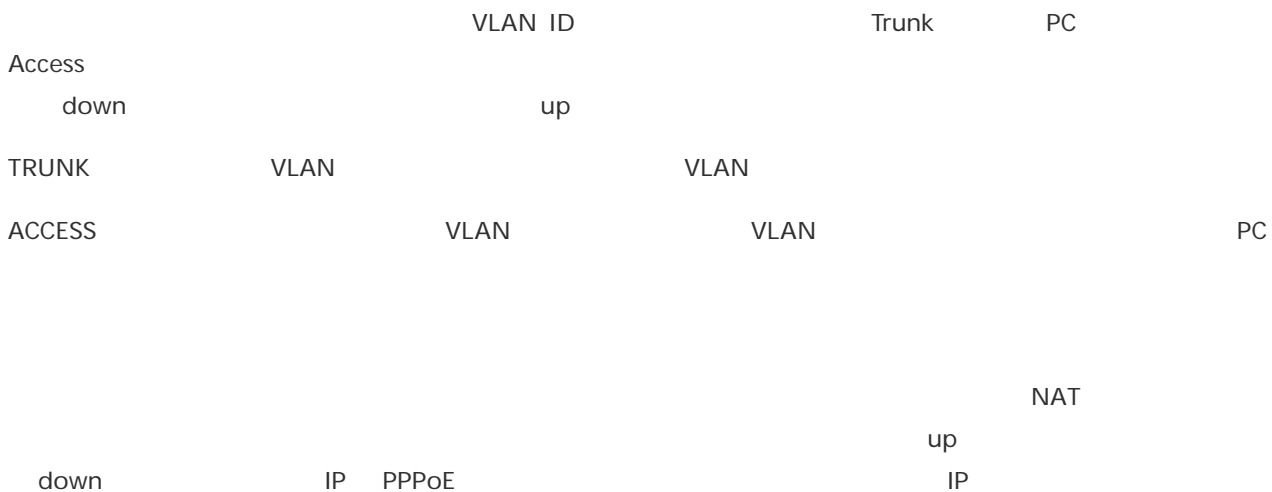
VLAN Virtual Local Area Network " " vlan
VLAN vlan vlan
IP IP
PPPoE ADSL PPPoE(ADSL)

1-12



1.3.3.2

VLAN







板载交换口 板载路由口 VLAN口

操作提示：点击图片，可对路由口进行参数设置。

路由口 路由口 路由口
GE 0/0 GE 0/1 GE 0/2

 : UP  : Down

路由口 (GE 0/0) 参数设置：

连网类型：静态IP

IP 地址：192.168.1.1 * 子网掩码：255.255.255.0 *

网关地址：

Secondary IP：

接口描述： (禁止输入& ? % 和空格等字符)

MAC地址： (格式：00-00-00-00-00-00) (默认：0021-0000-0000)

接口速率：自协商

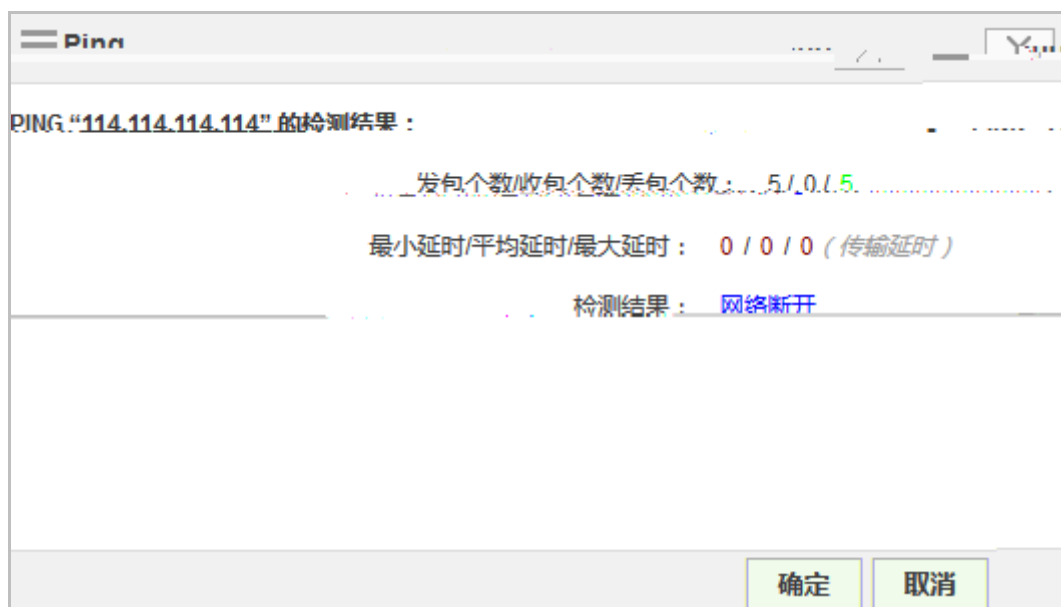
光电切换：电口

NAT标记：普通接口

1-21



1-22



1.3.3.5 DHCP

Dynamic Host Configuration Protocol, DHCP

DHCP

IP

DHCP

IP

IP

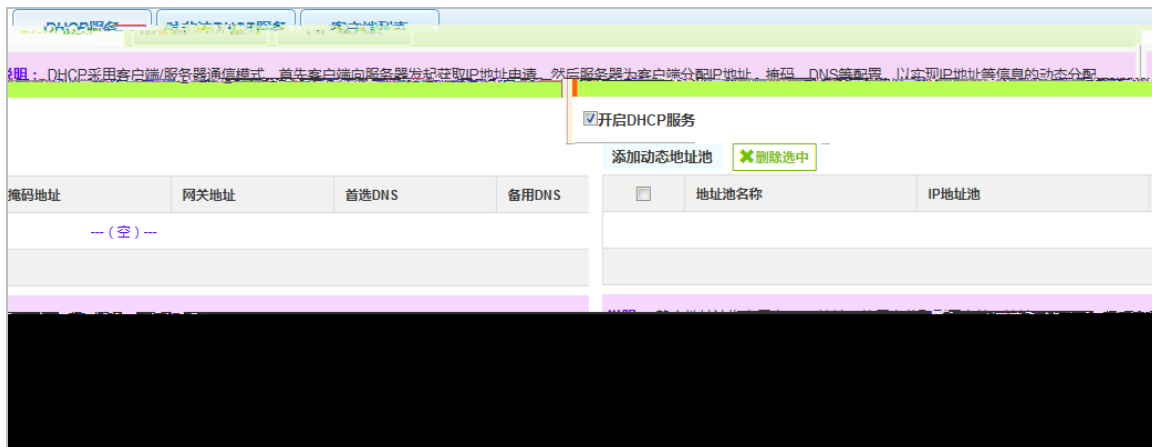
IP

DHCP

DHCP

DHCP

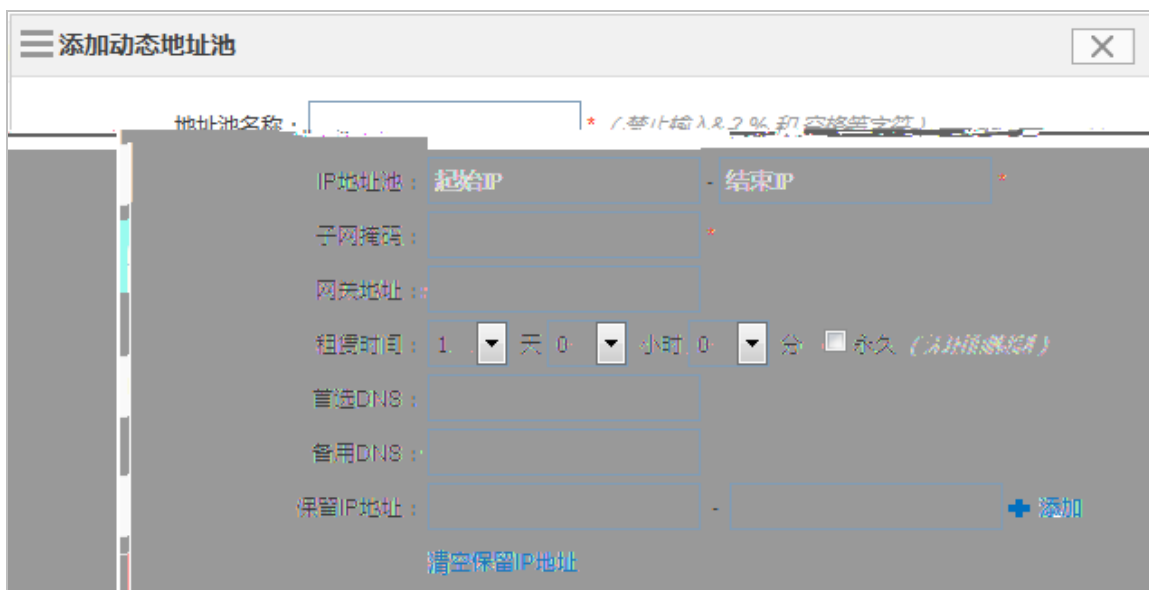
1-23



DNS

LAN

1-24



IP

IP

IP

DHCP

DNS

DNS

DNS

DNS

IP

DHCP

ip

MAC

IP

1-25

DHCP服务	防非法DHCP服务	客户端列表
---------------	------------------	--------------

DHCP Snooping : 启用

Bootp报文转发 : 启用

校验源MAC地址 : 启用

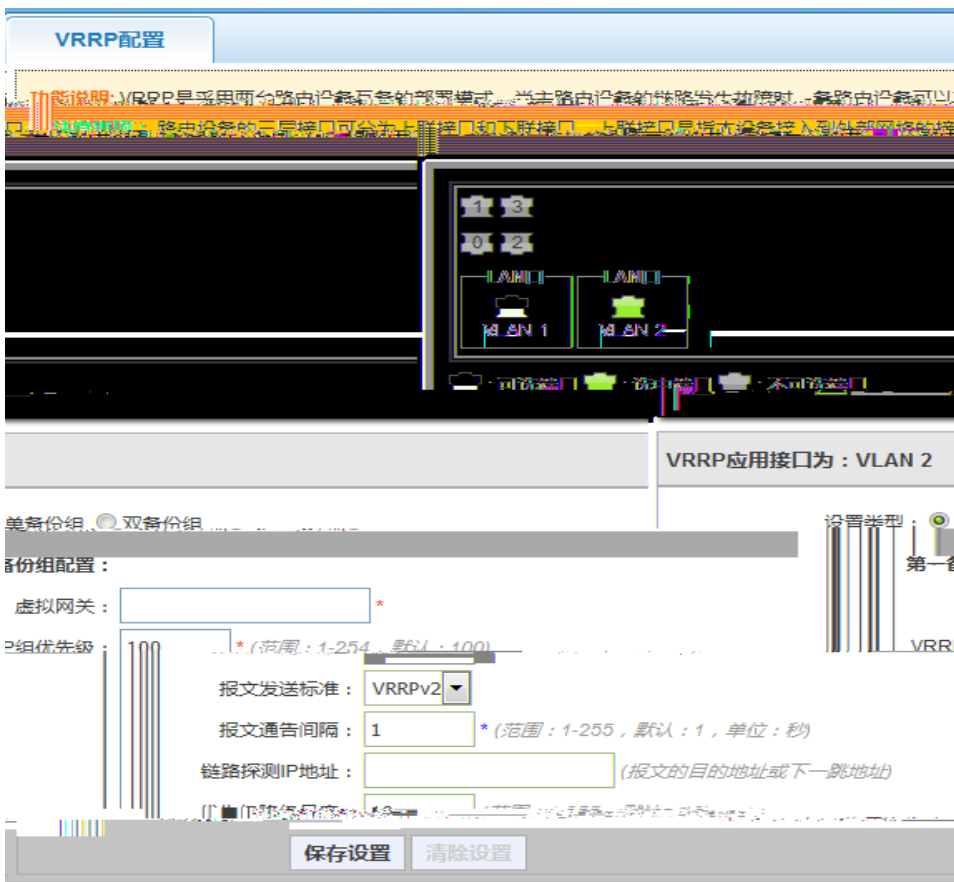
禁用DHCP Snooping的VLAN : (例如: 1,3-5,7,9-11)

DHCP Snooping 数据写入Flash : 实时写入 * (范围为600-86400, 单位: 秒)

DHCP请求报文加入Option82选项 : 禁用 自定义字符 *

禁止DHCP请求报文 IP或者IP+MAC检测 VLAN to VLAN VLAN to Circuit ID 交换口

IP

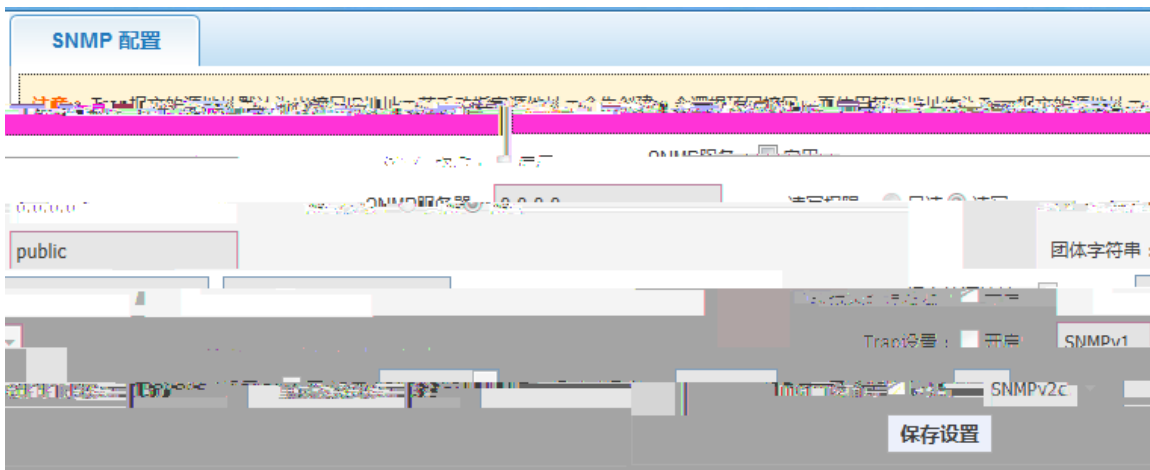


1.3.3.7 SNMP

SNMP Simple Network Management Protocol

SNMP
SNMP

1-29



1.3.4

1.3.4.1

1-30

下一跳地址	出口接口	路由类型	路由选路	状态	操作	目的地址
192.168.4.2	GE 0/1	静态路由	10	路由不生效	编辑 删除	192.168.2.0/24



IP

IP

IP

" 1 "



0.0.0.0



1-31



1.3.4.2

PBR Policy-Based Routing
IP

1-32

应用接口	策略优先级	下一跳地址	匹配ACL列表	策略应用
	10	192.168.3.2(主), 192.168.4.2(备)	100	<input type="checkbox"/>
	198	VLAN2		<input type="checkbox"/>
	20	192.168.4.2(主), 192.168.3.2(备)		<input type="checkbox"/>



ACL

ACL

IP



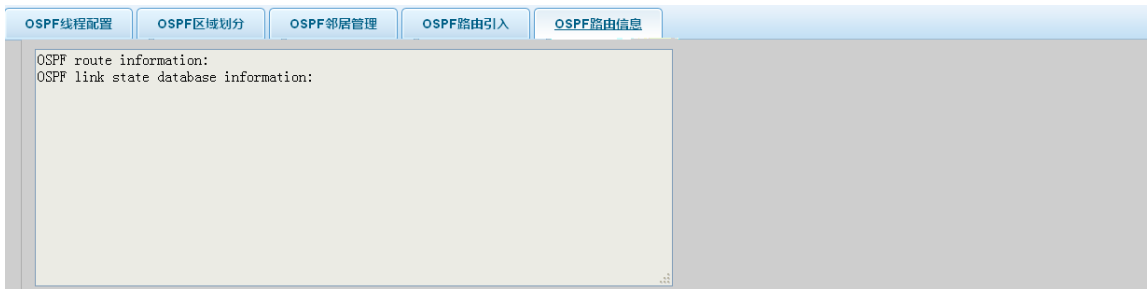
VLAN

OSPF

1-35

OSPF

1-38



1.3.4.4 RIP

RIP(Routing information Protocol) (distance-vector) RIP UDP (Interior Gateway Protocol, IGP) 15

WEB RIPv2 RIP RIP RIP RIP WEB
RIP RIP IP RIP

RIP

RIP

RIP

1-39



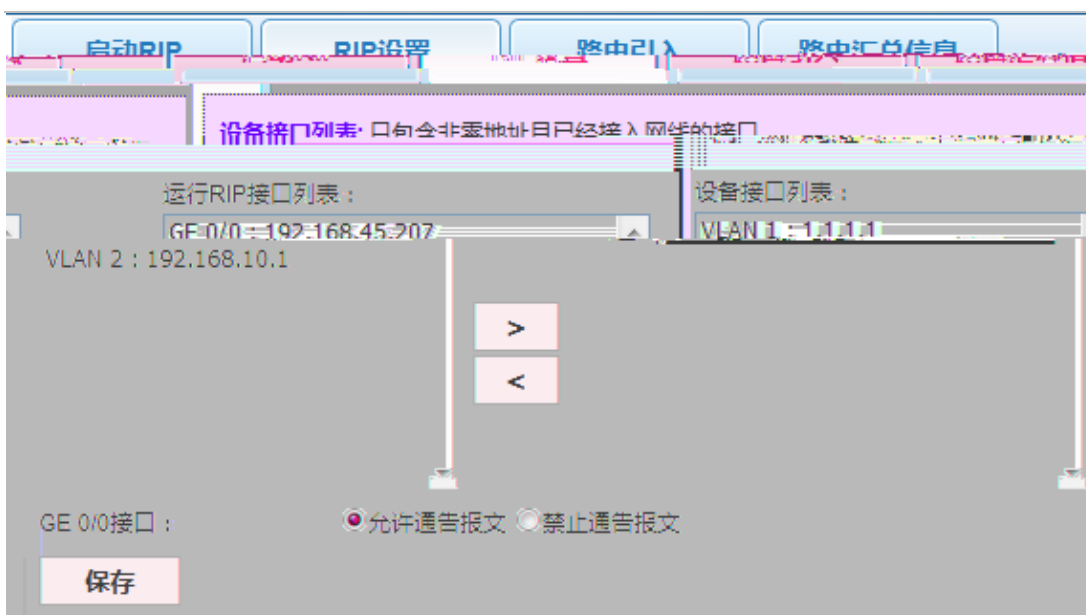
RIP

VLAN

RIP

RIP

1-40





1.3.5

1.3.5.1 VPN

VPN “Virtual Private Network” “ ”
VPN

VPDN

vpdn vpdn

1-44



VPDN

VPDN VPDN VPDN L2TP

VPDN隧道管理
VPDN客户端
VPDN服务器

VPDN客户端：是指本设备作为VPDN客户端，主动与对端VPDN服务器发起隧道协商。目前VPDN客户端只支持L2TP隧道协议。

注意：在配置VPDN客户端之前，先确认是否存在到VPDN服务器的路由。若不存在这样的路由，请在“路由配置”-“静态路由”创建路由。

隧道
+ 创建

✕ 删除隧道

VPDN客户端参数设置

隧道名称： * (禁止输入&?%和空格等字符)

服务器地址： *

用户名： * 密码： *

高级配置： (勾选将展开高级配置参数项)

对端网络列表 (本表单用于创建隧道明细路由)

对端内网网段		出接口
<input type="text" value="1.1.1.0"/>	<input type="text" value="255.255.255.0"/>	Virtual-ppp 1

保存配置

VPDN

VPDN

VPDN

IP

vpdn

VPDN

VPDN

PPTP L2TP

VPDN

VPDN

VPN

VPDN

IP

PPTP L2TP

vpdn

vpdn



1.3.5.2 GRE

GRE GRE

GRE

GRE

IPSec

ipsec

IP IPSec IP 6 IP

IPSec

VPN

IKE

IKE

DES 3DES AES SM1

SHA MD5

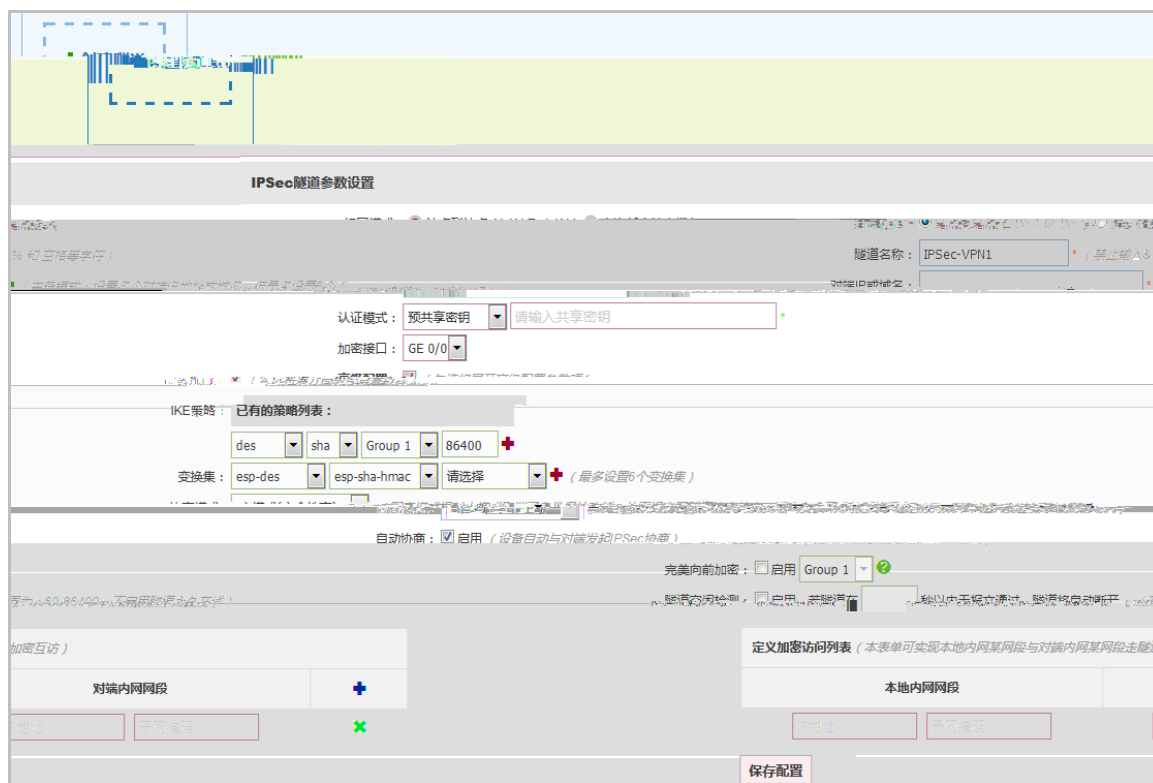
ESP-DES ESP-3DES ESP-3DES ESP-SHA-HMAC

ESP-3DES ESP-MD5-HMAC

ESP-DES

ESP-SHA-HMAC ESP-DES ESP-MD5-HMAC

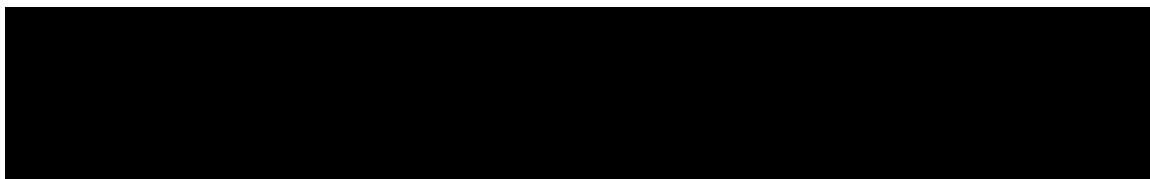
1-49



IPSec

ipsec

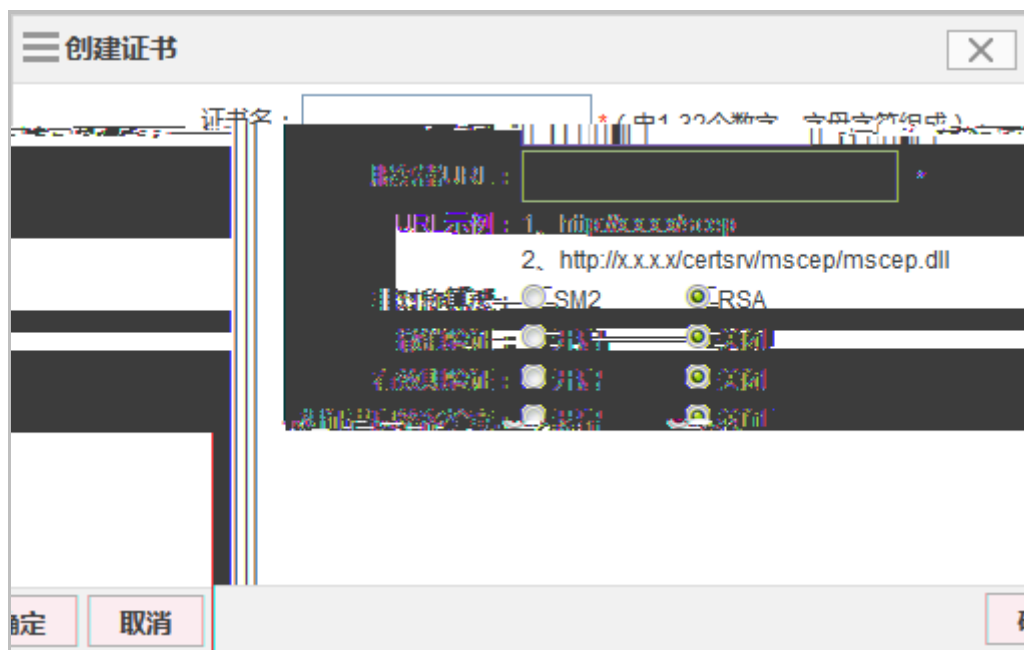
1-50



1.3.6

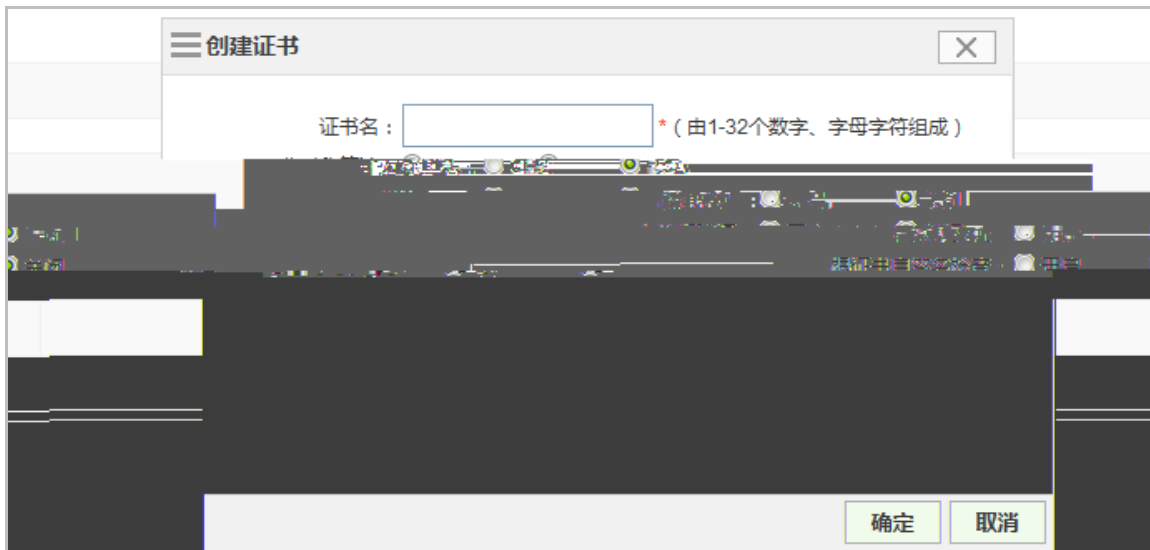
1.3.6.1

1-51



1.3.6.2

1-52



1.3.7 AAA

AAA Authentication Authorization and Accounting

AAA

RADIUS

TACACS+

Local

AAA

AAA



WEB

AAA

RADIUS

RADIUS设置

RADIUS认证 : 启用

首选RADIUS服务器

服务器IP地址 : *

验证口令 : (可选)

认证端口号 : (可选)

备用RADIUS服务器

服务器IP地址 : (可选)

验证口令 : (可选)

认证端口号 : (可选)

RADIUS认证业务列表

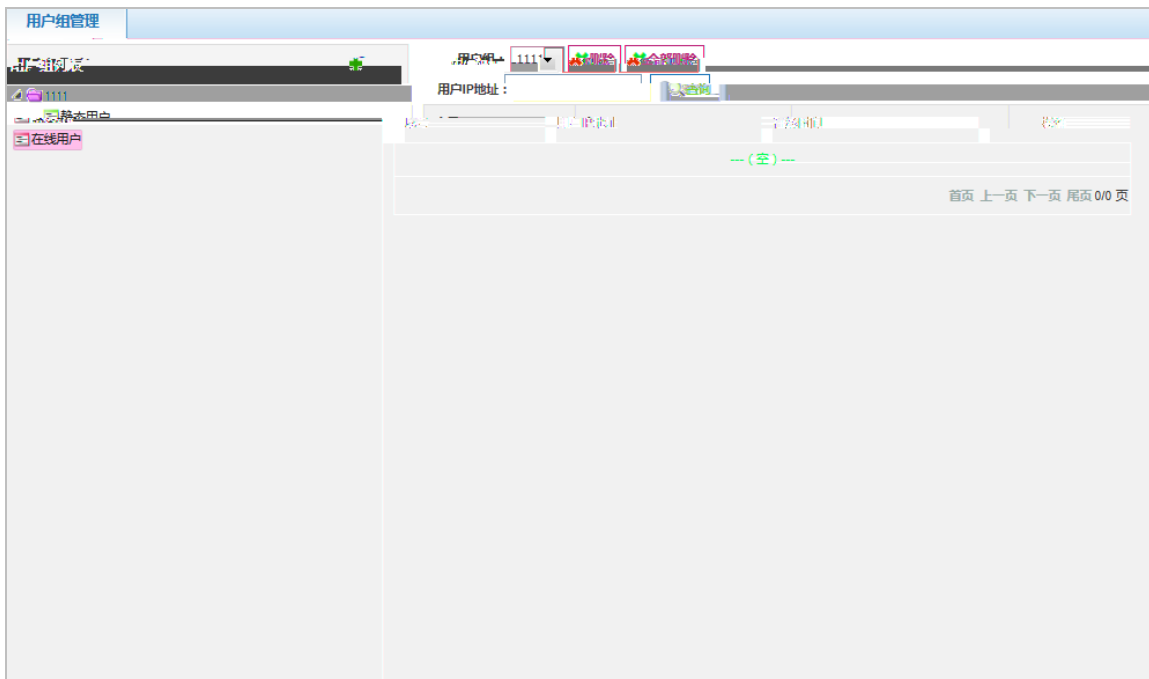
Login : 启用, 认证方式 : ▼

PPP : 启用, 认证方式 : ▼

Web 认证 : 启用

1.3.8.1

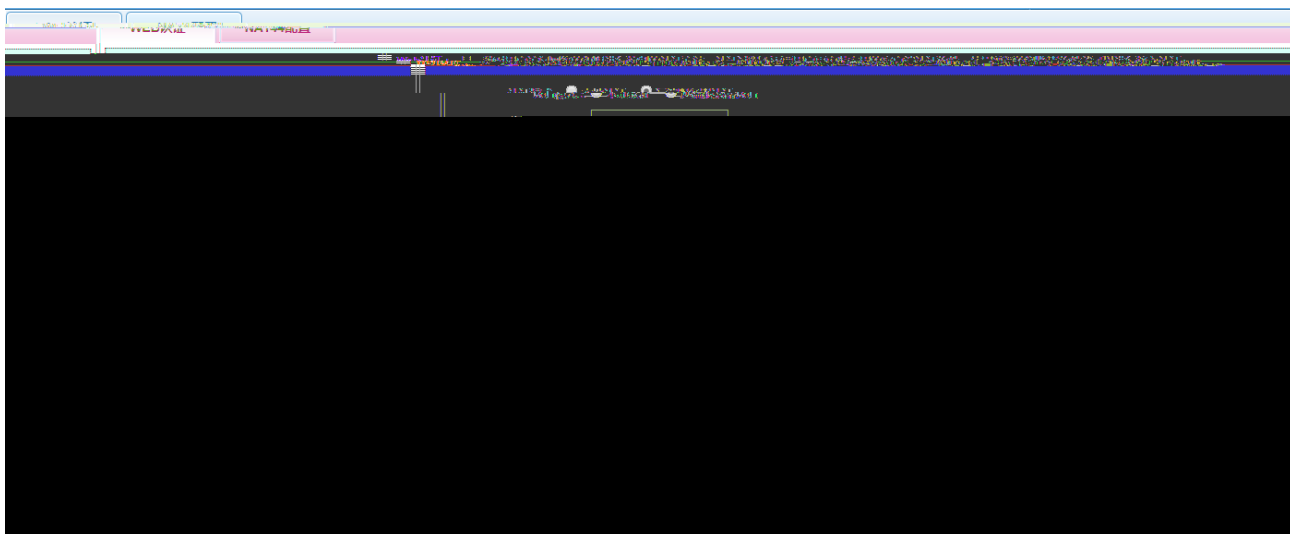
IP



1.3.8.2

IP

WEB



IP

IP

SMP

SMP

SNMP
IP+MAC

SNMP

MAC

IP

SAT

SAT

NAT44

NAT44

NAT

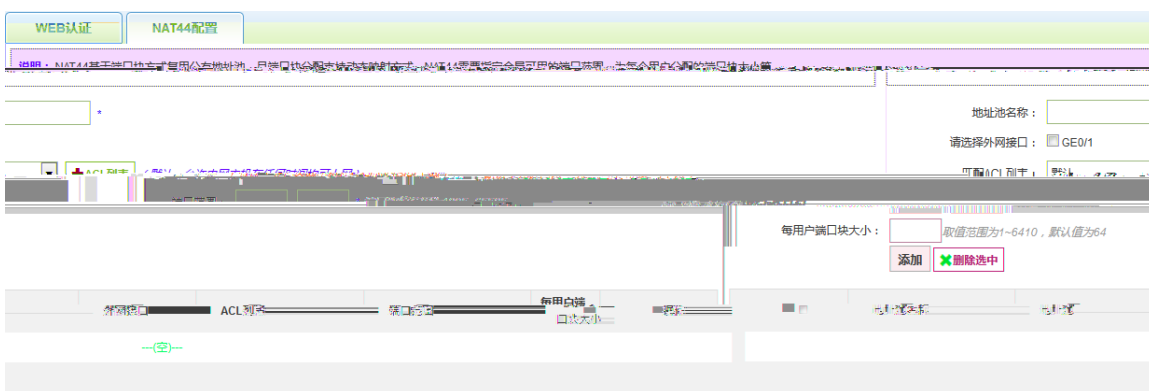
NAT44

NAT44

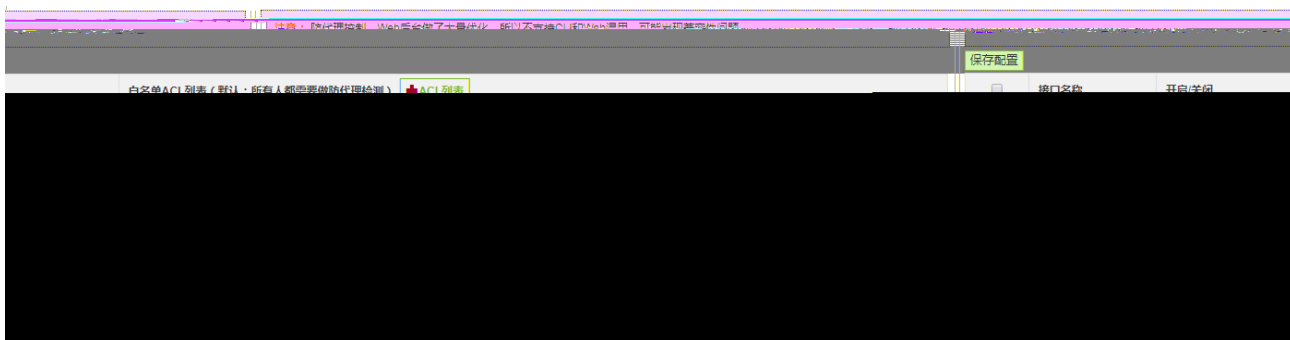
NAT44

- RLOG

1-59



1-62



1.3.9

1.3.9.1

ARP

ARP

ARP
10

ARP

"

ARP

"

ARP

ARP

DoS

DoS

DoS/DDoS

IP

SYN Flood

WEB

WEB

80 WEB

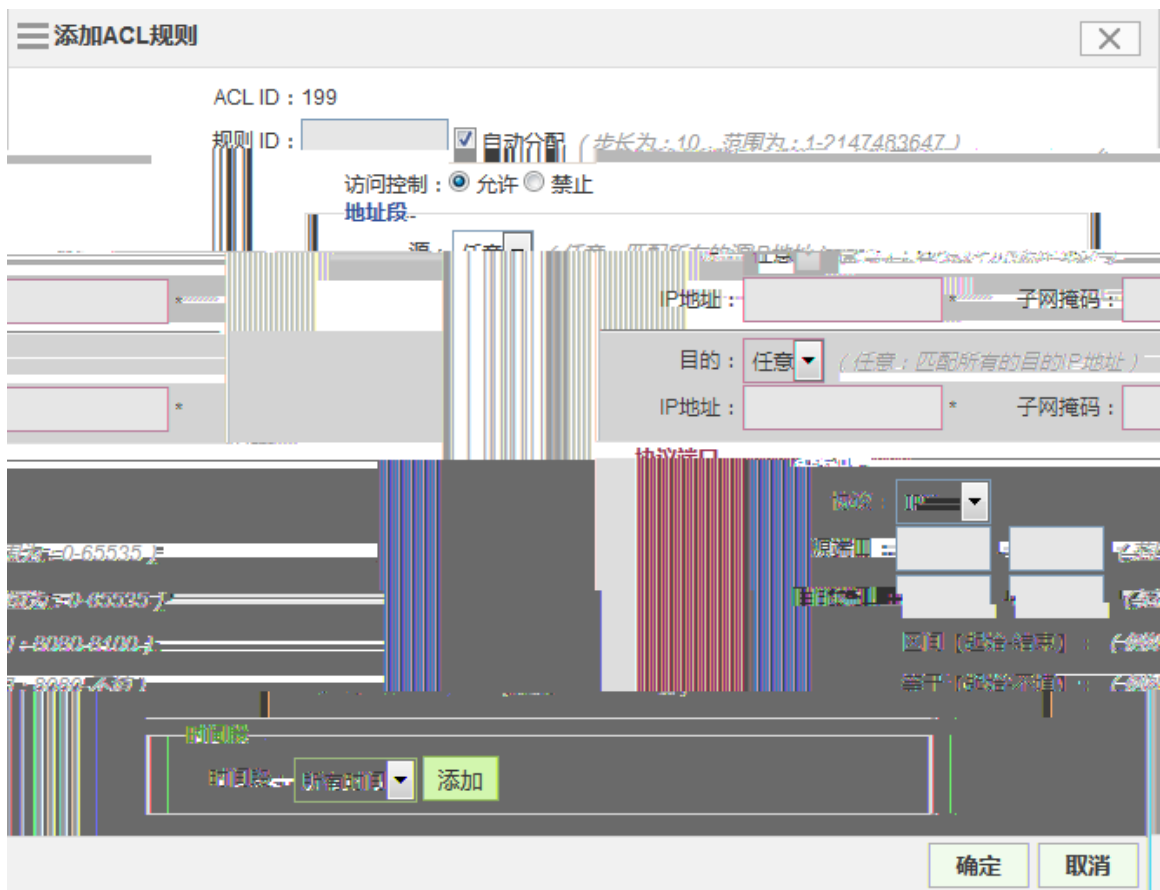
WEB

1-63

1.3.9.3

ACL

1-66

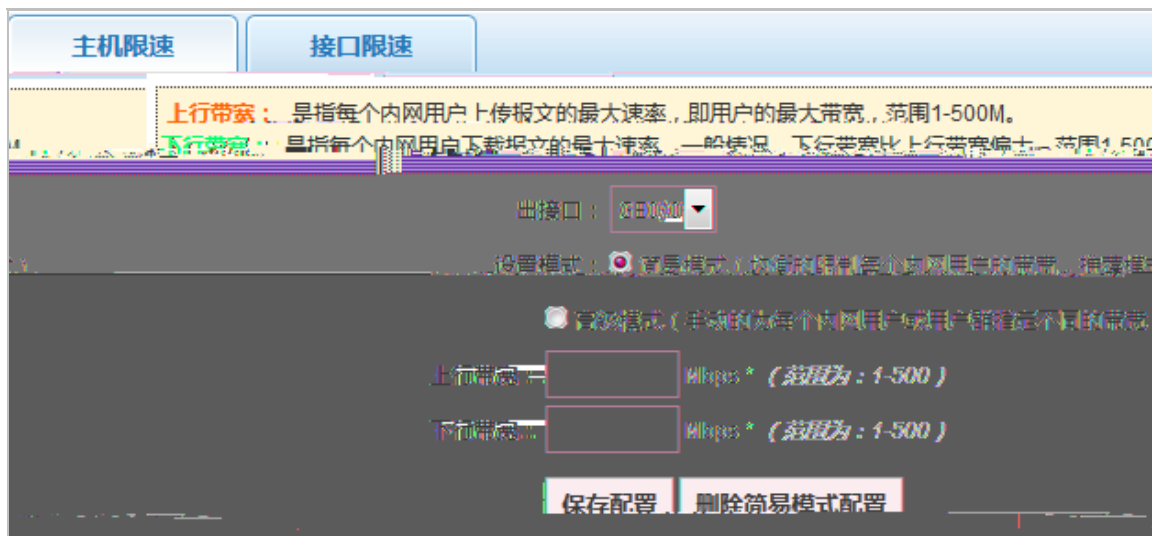


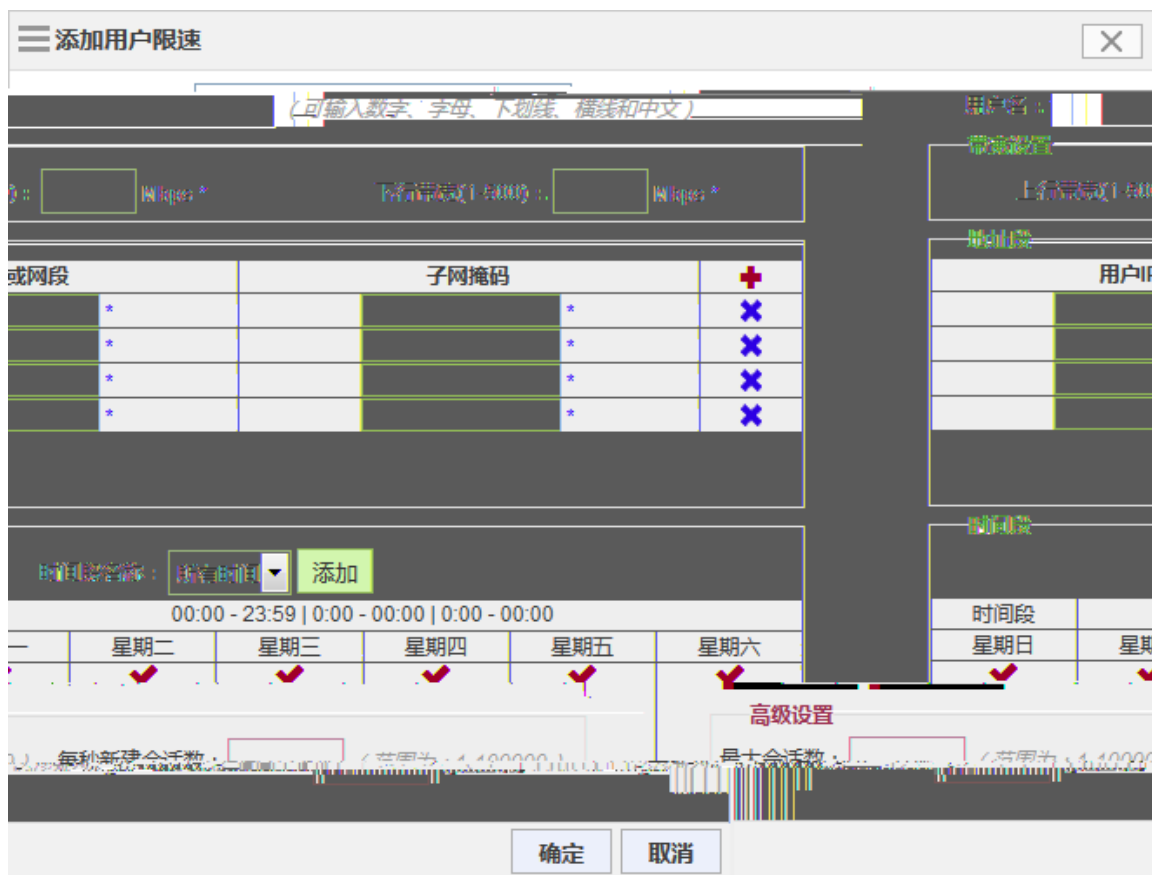
1.3.10

1.3.10.1

icmp flood udp flood







WEB

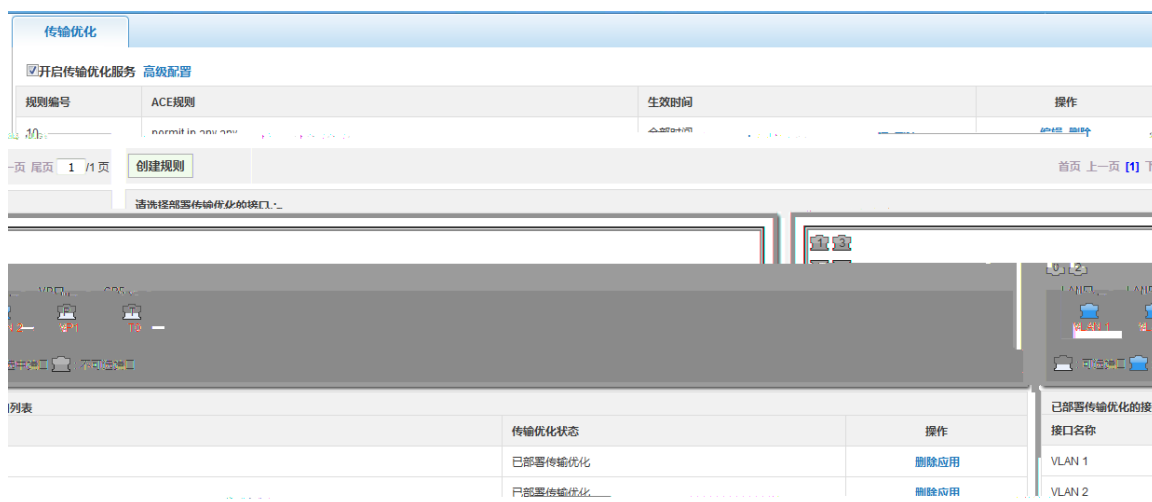
IP

1.3.10.2

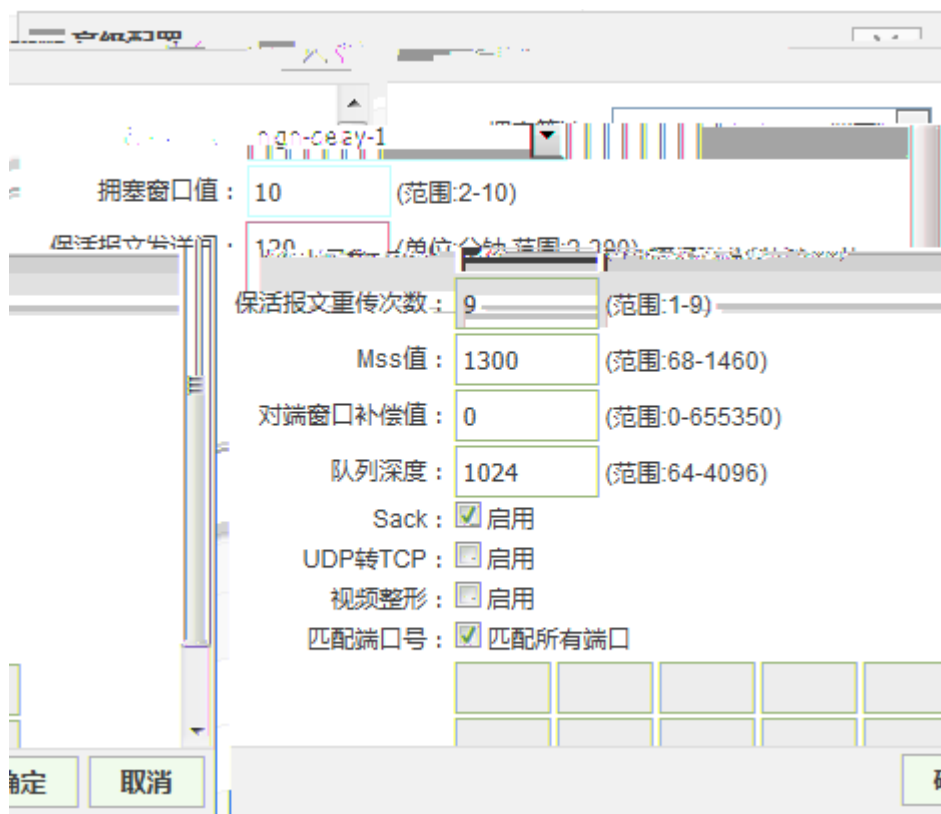
IP

1.3.10.3

1-73



1-74



low-bandwidth-delay

10

120

9

Mss MSS 1420

0

1024

Sack



WEB

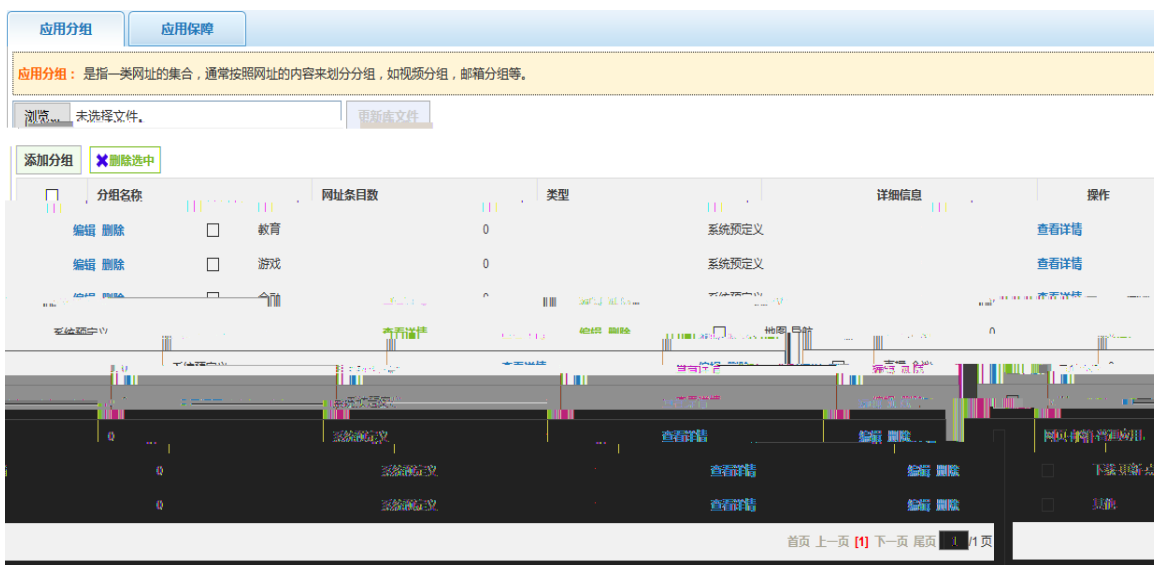
IP IP

1.3.10.5

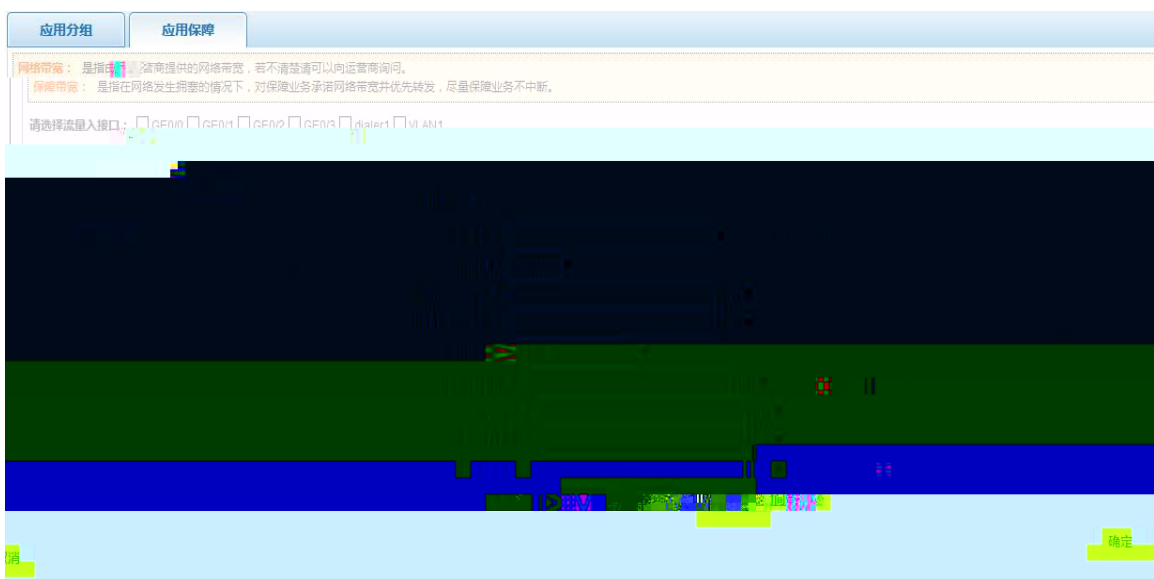
Web

url

1-78



1-79



1.3.11.3

SSH Telnet HTTP HTTPS

web telnet&ssh

1-82

The screenshot shows a web management interface with three tabs: "修改密码" (Change Password), "用户管理" (User Management), and "服务管理" (Service Management). The "修改密码" tab is active. Below the tabs, there is a yellow warning box: "注意：密码不能含有中文字符、全角字符、问号和空格字符。" (Note: Passwords cannot contain Chinese characters, full-width characters, question marks, or spaces). Below this is a blue header for "修改特权密码" (Change Privileged Password). A yellow information box follows: "说明：特权密码是指用户进入特权模式Exec配置层的口令。" (Note: Privileged password refers to the password used by users to enter the privileged mode Exec configuration layer). The main form area contains three input fields: "当前密码：" (Current Password), "新密码：" (New Password), and "确认密码：" (Confirm Password). Each field has a red asterisk on the right. At the bottom, there are buttons for "返回修改" (Return to Modify), "清除" (Clear), "确认修改" (Confirm Modify), and "帮助" (Help).

1-83





http https web

1-85



1.3.11.4

WEB

" "

" 50

WEB

1-86



50

" bin"

WEB

" upd"

flash

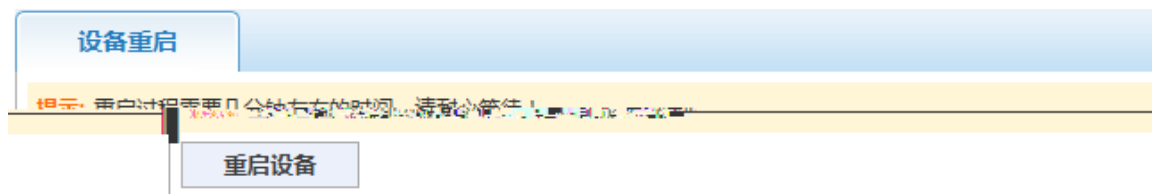
1.3.11.5

" WEB

WEB

2

1-87



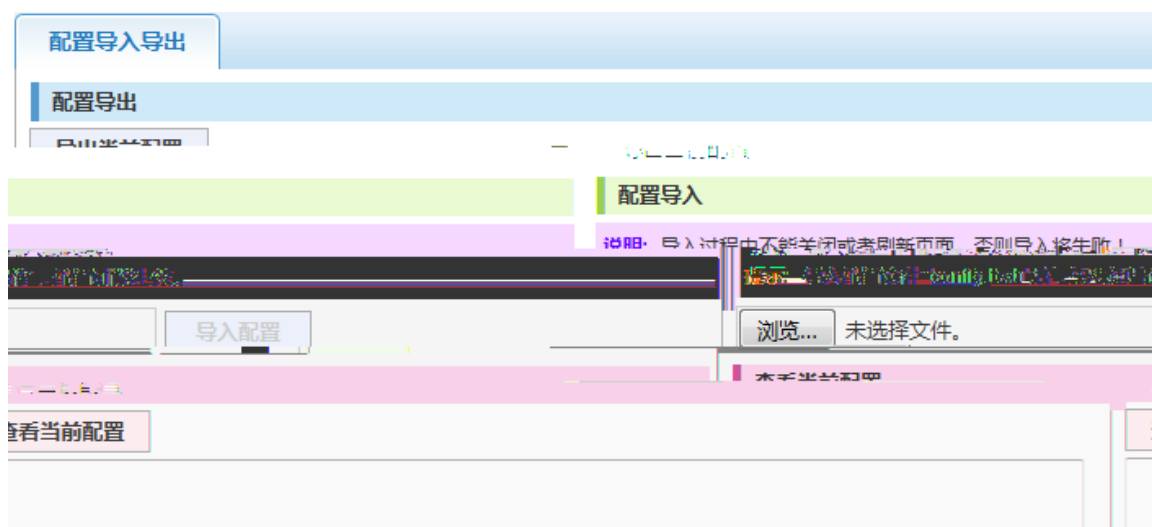
1.3.11.6

".text"

" config.text"

“ config.text”

1-88



1.3.11.7

1-89



1.3.11.8 CLI

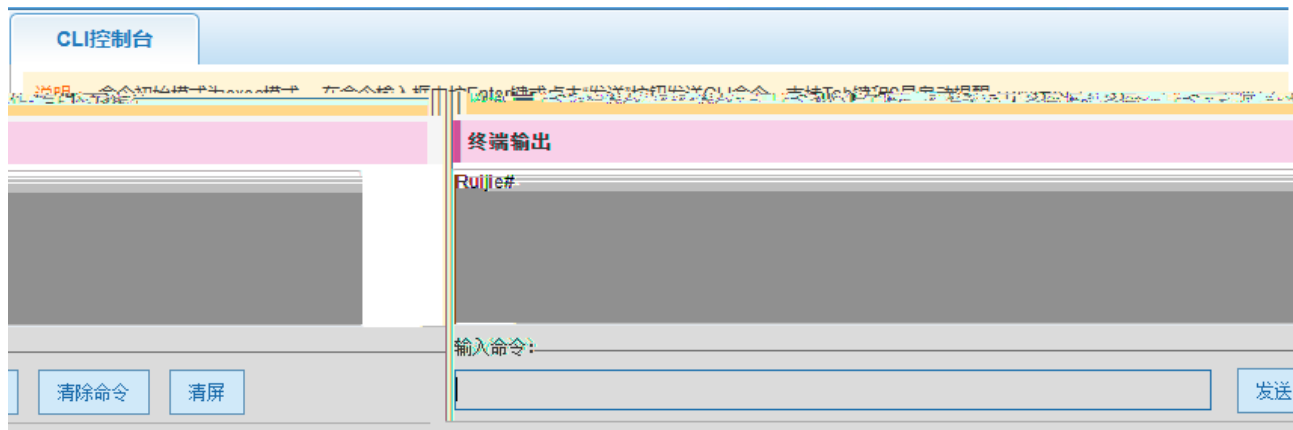
cli

web
web

cli

cli

1-90

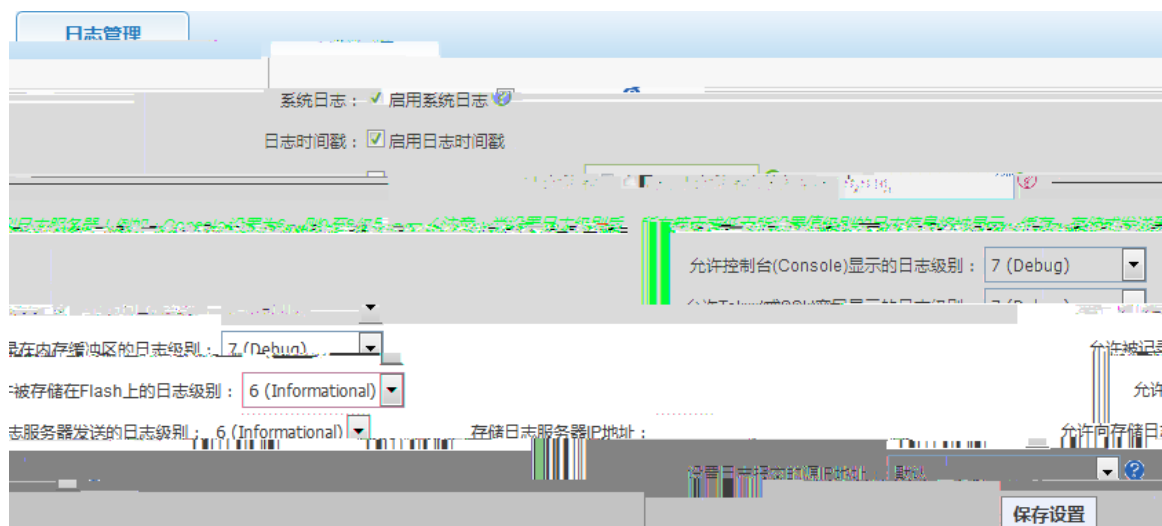


1.3.11.9

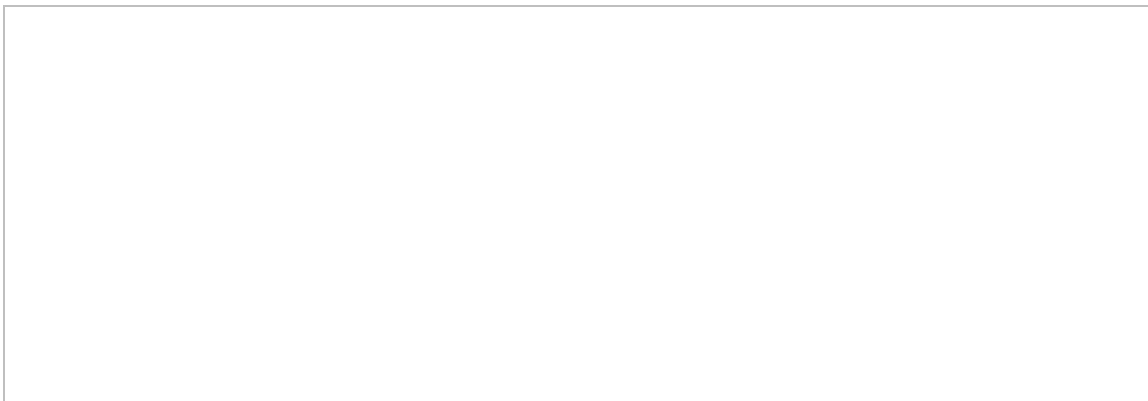
flash

IP

1-91



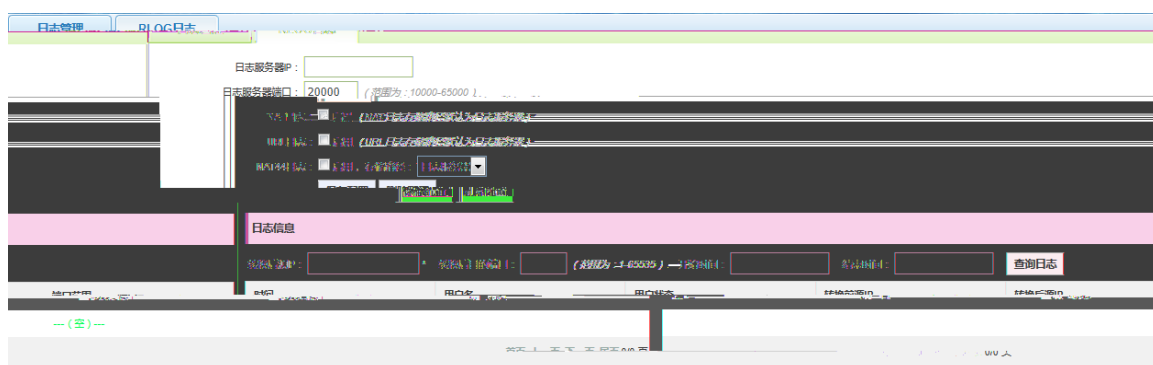
1-92



RLOG

RLOG	NAT	URL	NAT44		
NAT	NAT			IP	
URL	URL			IP	
NAT44					USB SD

1-93



1.3.12

ping

1.3.12.1 PING

1-94

Ping

说明： 您可以输入IP地址或域名，对目的IP地址或域名通过Ping进行连通性检测。

目的IP地址/域名： * ?

源IP地址/接口：

重复次数： * (范围为：1-65535，默认：5)

超时时间： * (范围为：1-10，默认：5)

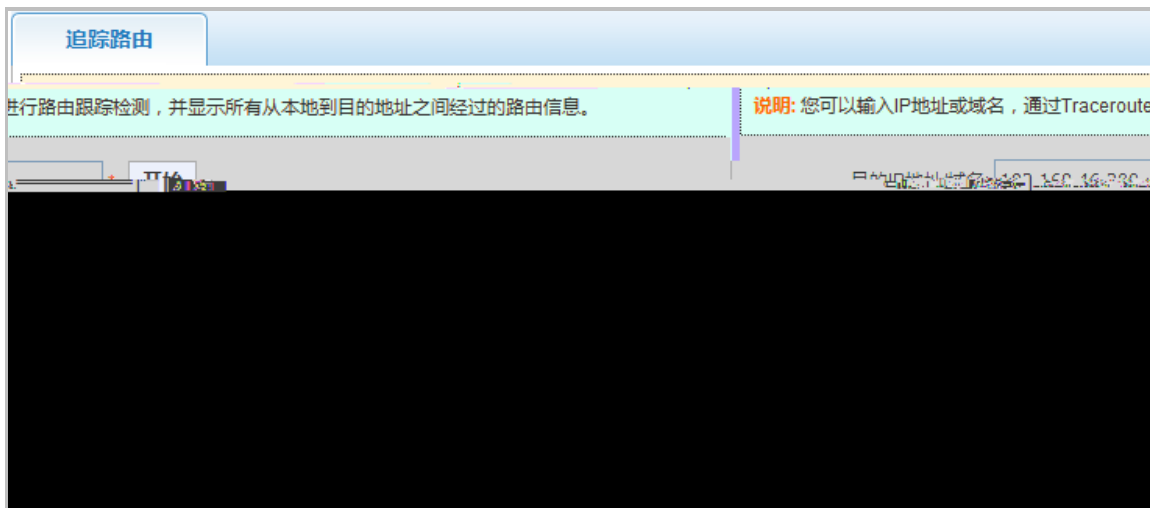
Ping报文长度： (范围为：36-18024，单位：字节)

“ ” “ ” “ ” “ ”

1.3.12.2

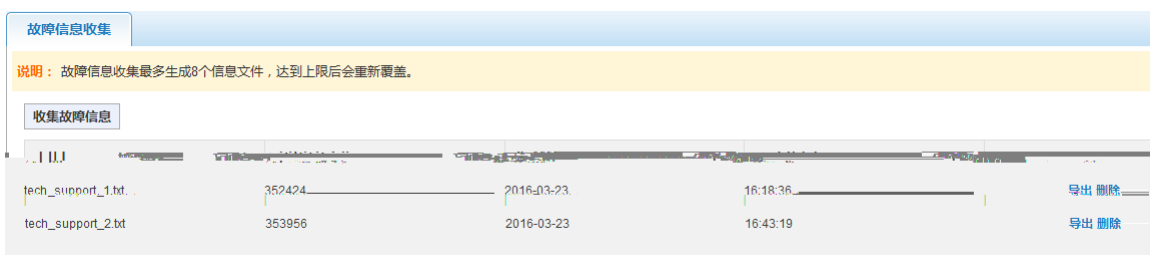
tracert

1-95



1.3.12.3

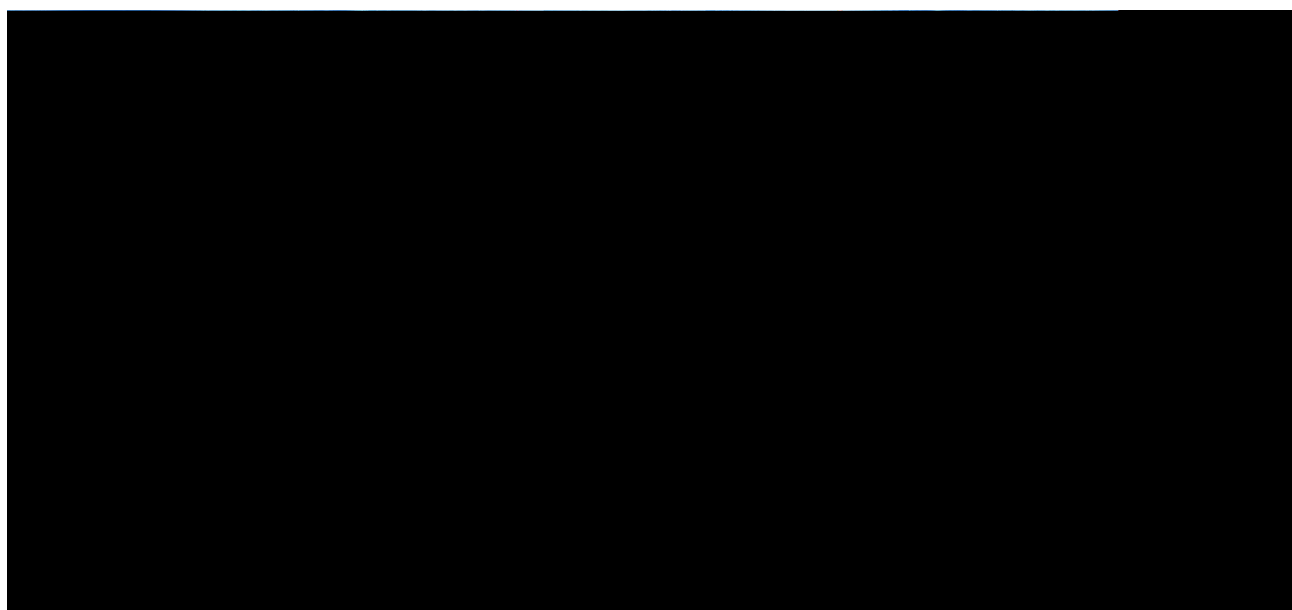
1-96



1.4



1-98 WEB



1-99



	:	8:30-18:00	
			4008-111-000
		WEB	WEB

1.4.2

“ ” <http://support.ruijie.com.cn>
 4008-111-000 WEB WEB

1-100



WEB

1.5

1.5.1

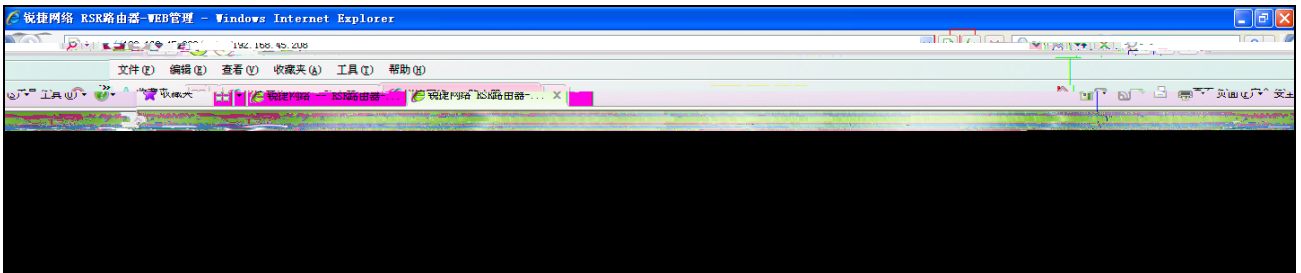
WEB

1.5.2

WEB

IE

1-101



IE9.0

IE10.0

WEB

CPU

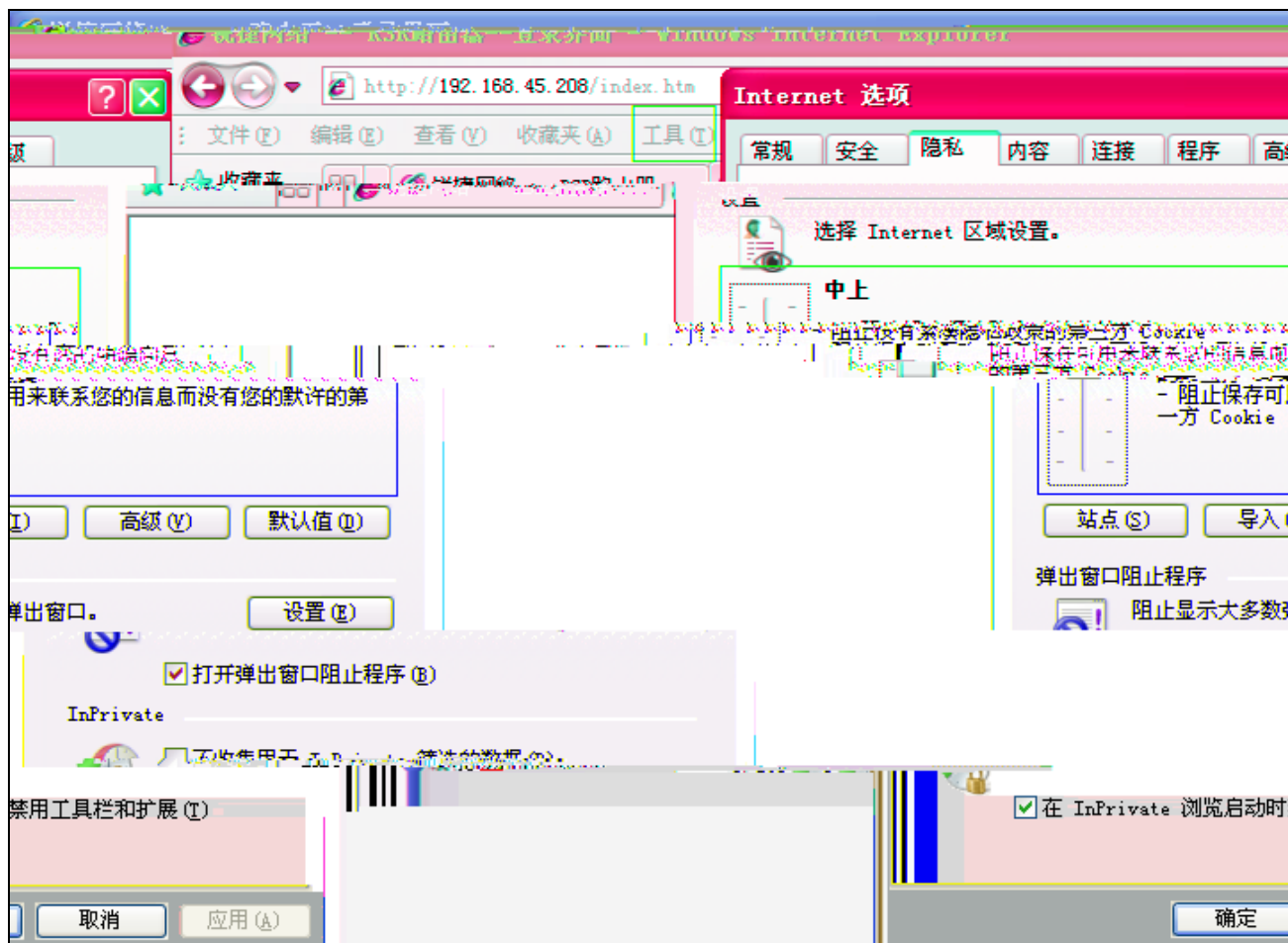
1.5.3 WEB

WEB

WEB

IE

1-102 IE



1.5.4 WEB

1 PC Ping WEB WEB

