



WEB

RSR20-X-52

RGOS 10.4(3b89)

V1.0

©2017



RGOS 10.4(3b89)

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- <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>
- service@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 HTTP
HTTPS TLS1.0

WEB

WEB WEB IE Firefox Chrome Safari EB

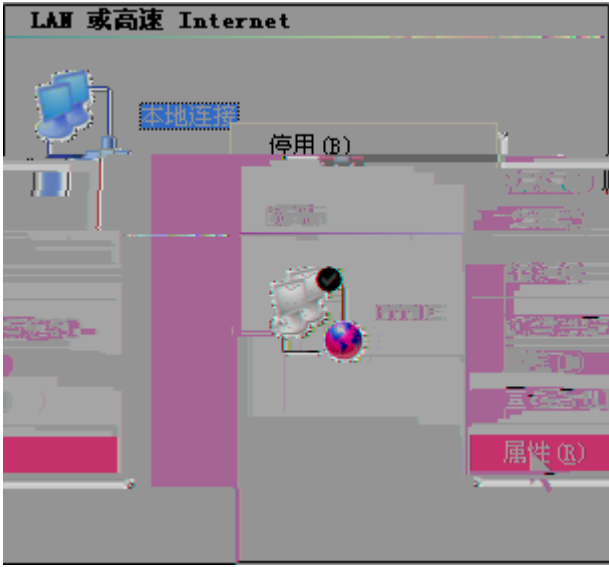
1.2

1.2.1



IP





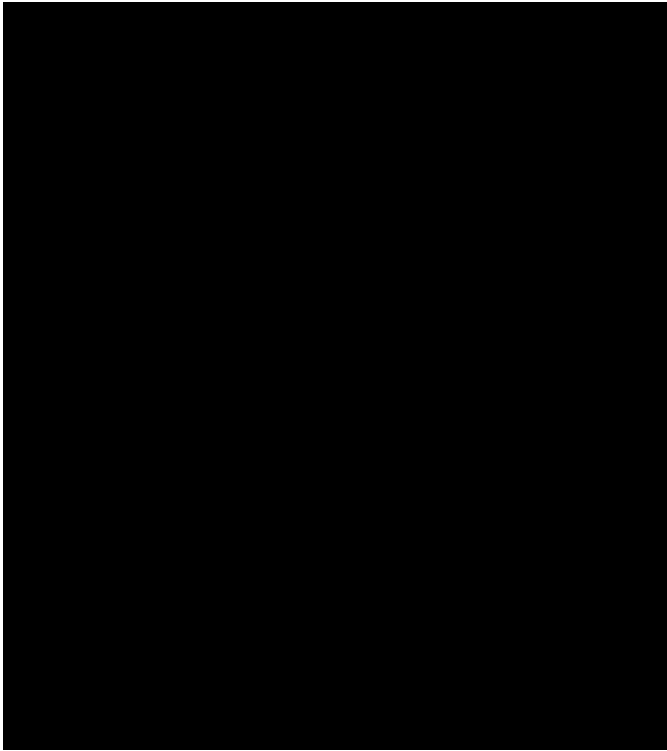
" " " " " Internet TCP/IP "

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
```

```
Ping statistics for 192.168.1.1:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

1-5



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



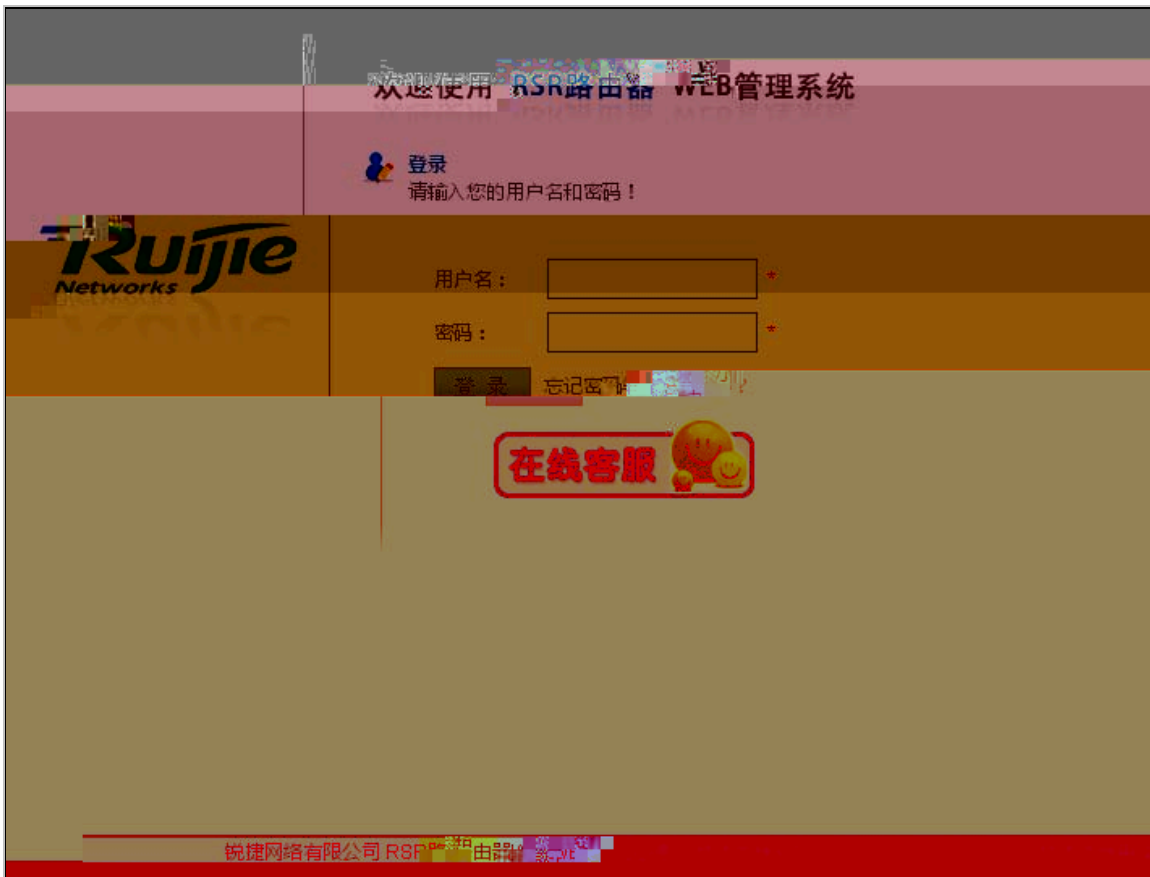
WEB

IE10+

Apple Safari

Firefox3.0

1-6

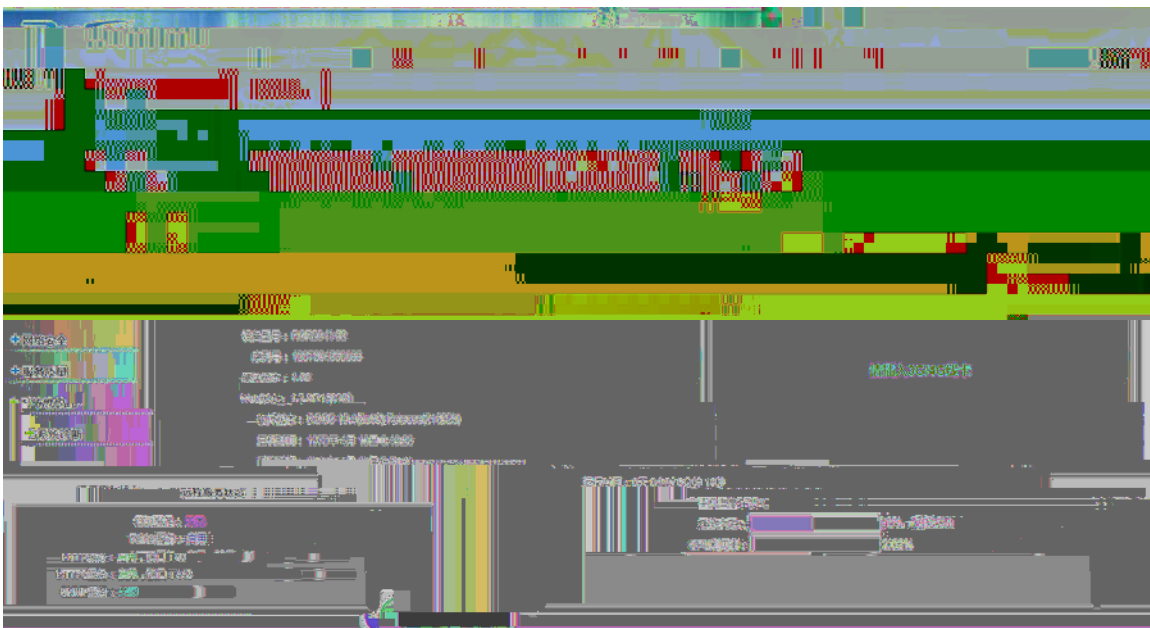


admin/admin

WEB



1-7:

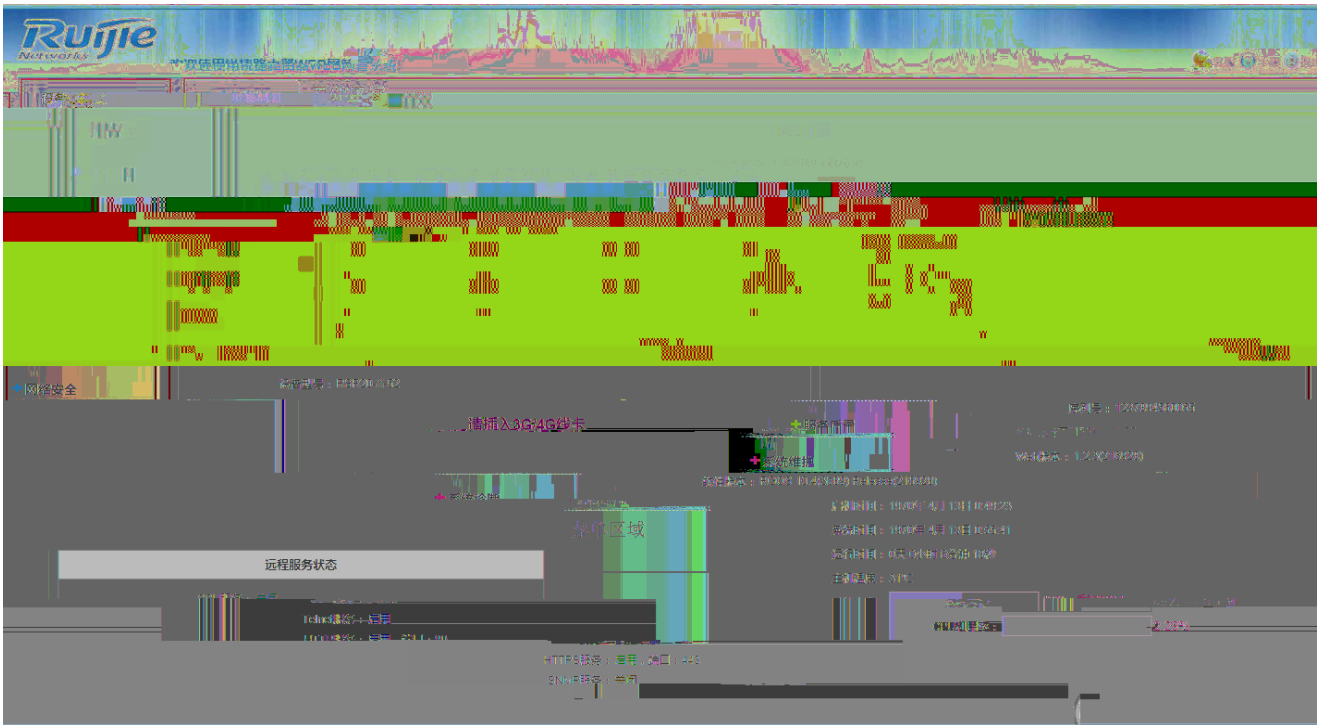


1.2.4 WEB

1.2.4.1

RSR WEB

1-8 WEB



WEB

1.3

1.3.1

WEB

CPU

1-9 RSR20-X-52



USB

SD

USB SD

1.3.2



IP /

DNS

1-2 DNS

DNS

DHCP

IP

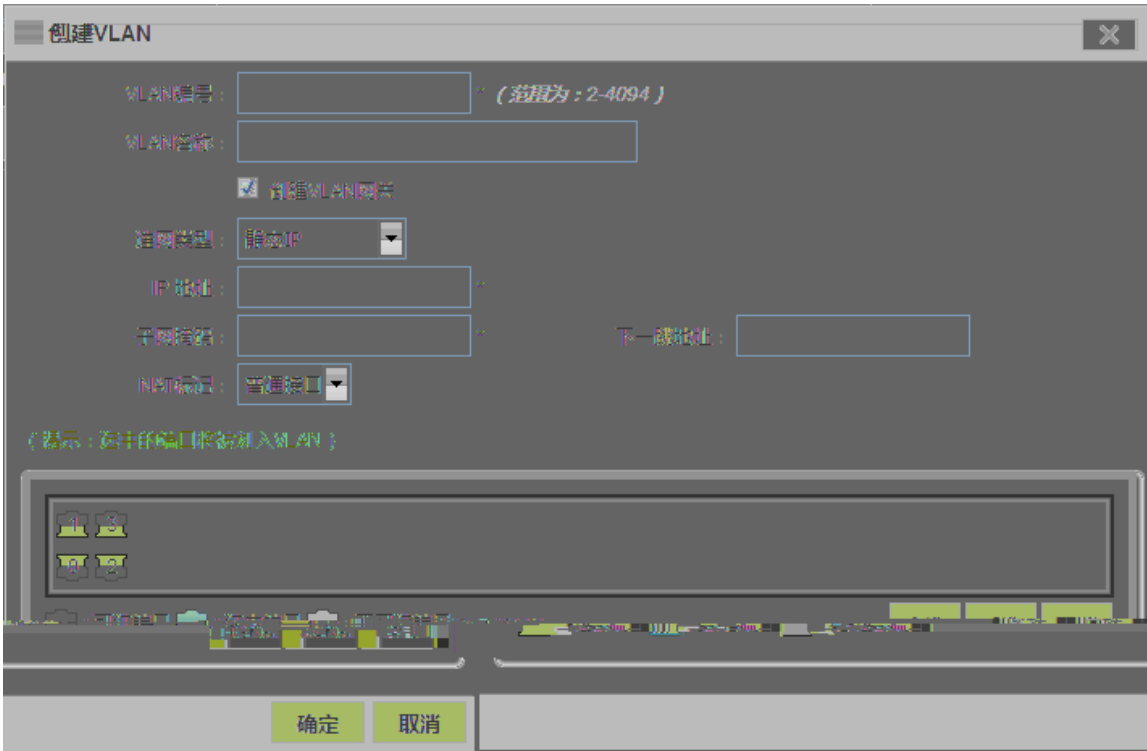
IP

PC

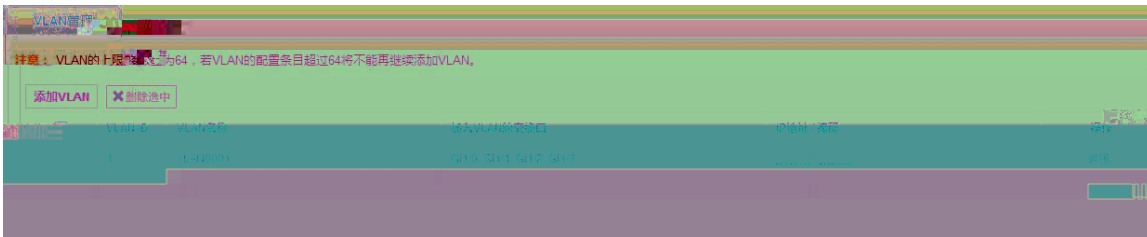
IP

IP

			LAN	IP	
Web	80	Web	URL		http://192.168.1.1:8088/index.htm



1-13



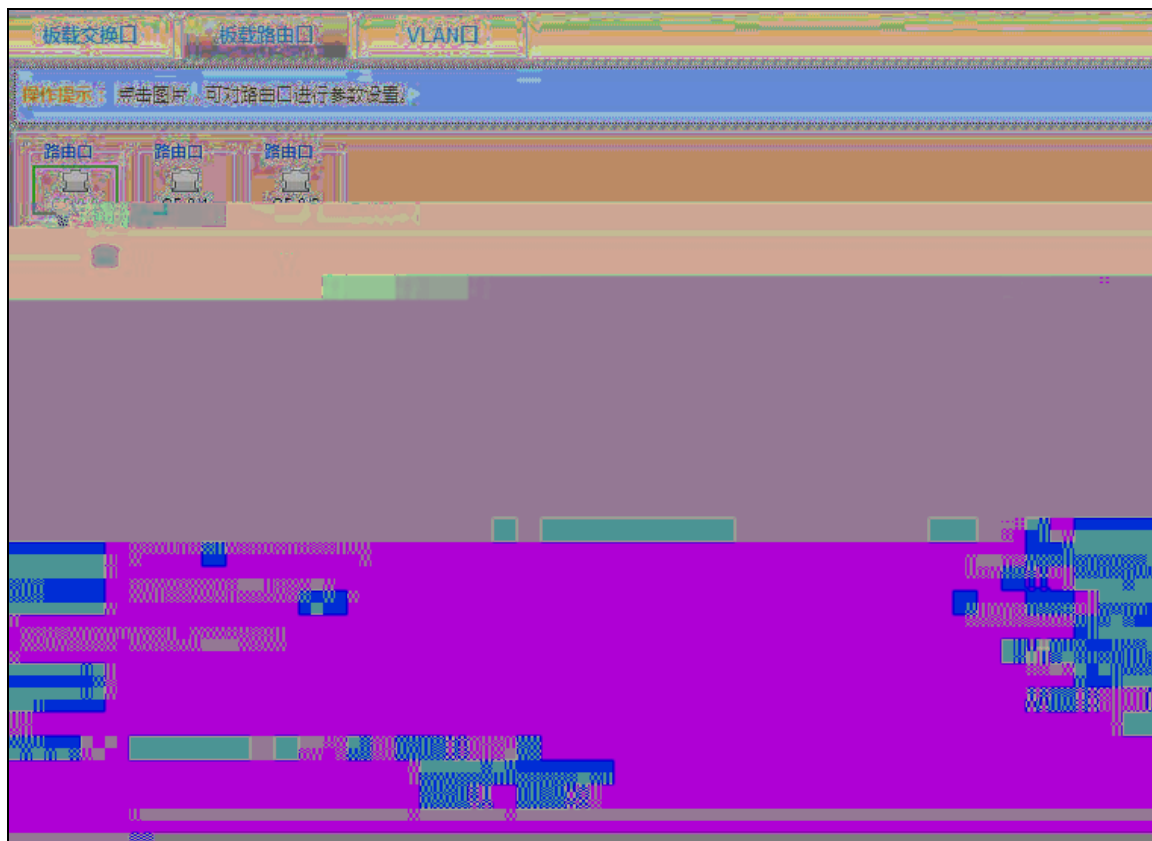
RSR30-X-SPU 10

1.3.3.2

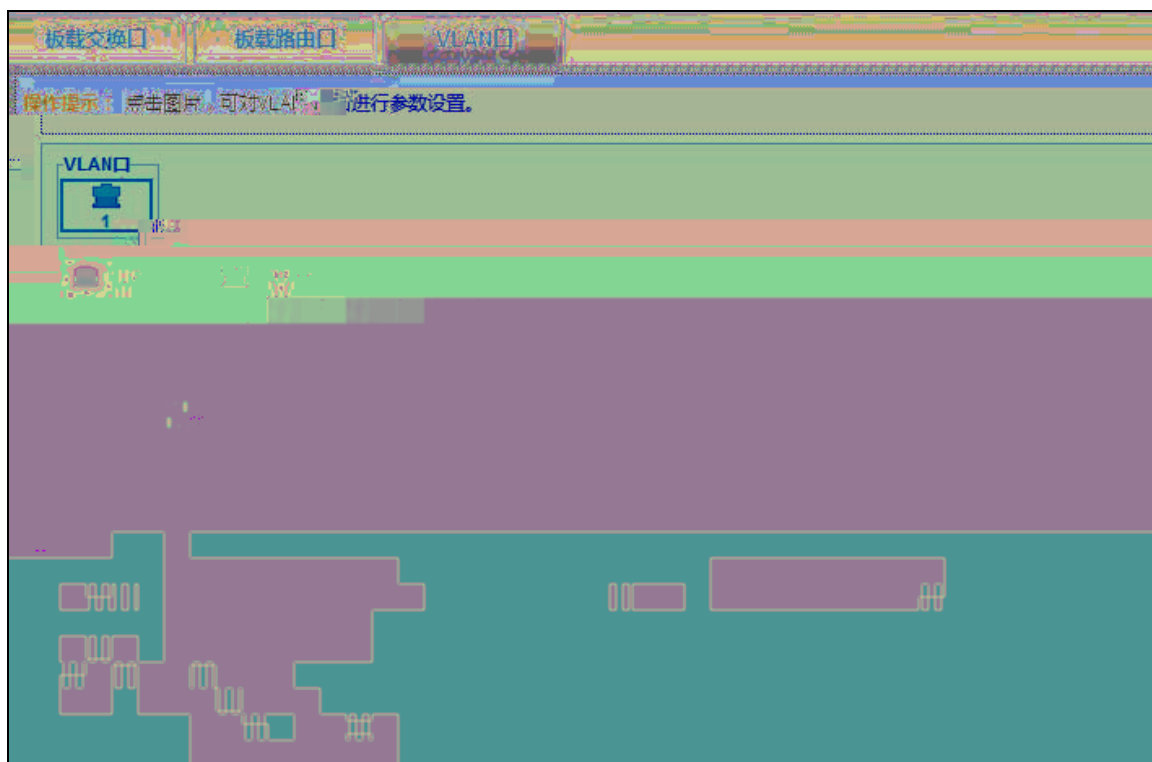
VLAN



RSR30-X-SPU 10



1-16



1.3.3.3 NAT

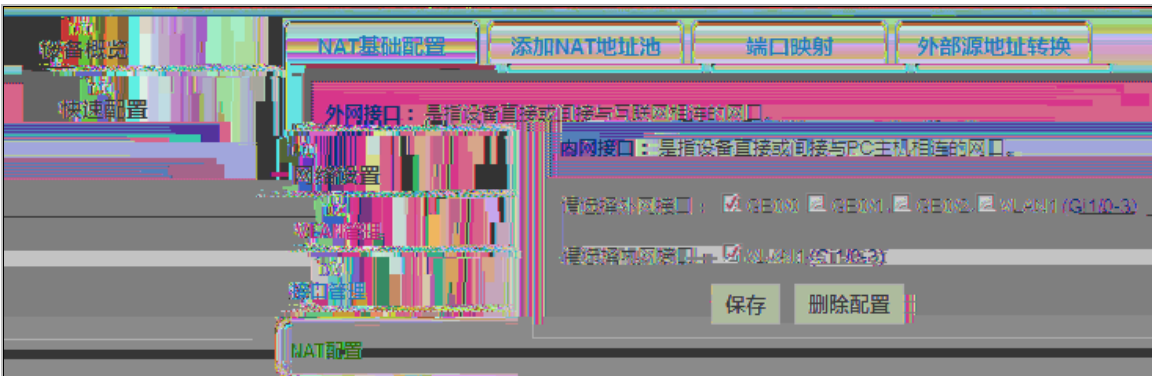
NAT

NAT " Network Address Translation" " " IP IP

Internet

NAT

1-17



PPPoE IP

NAT

nat IP

1-18



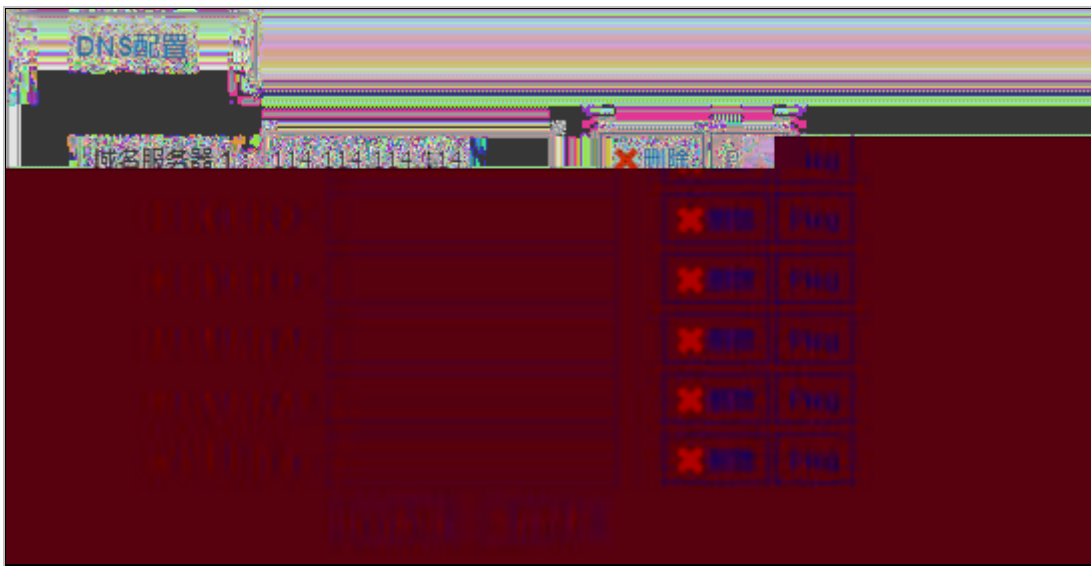


IP + IP +
1-21

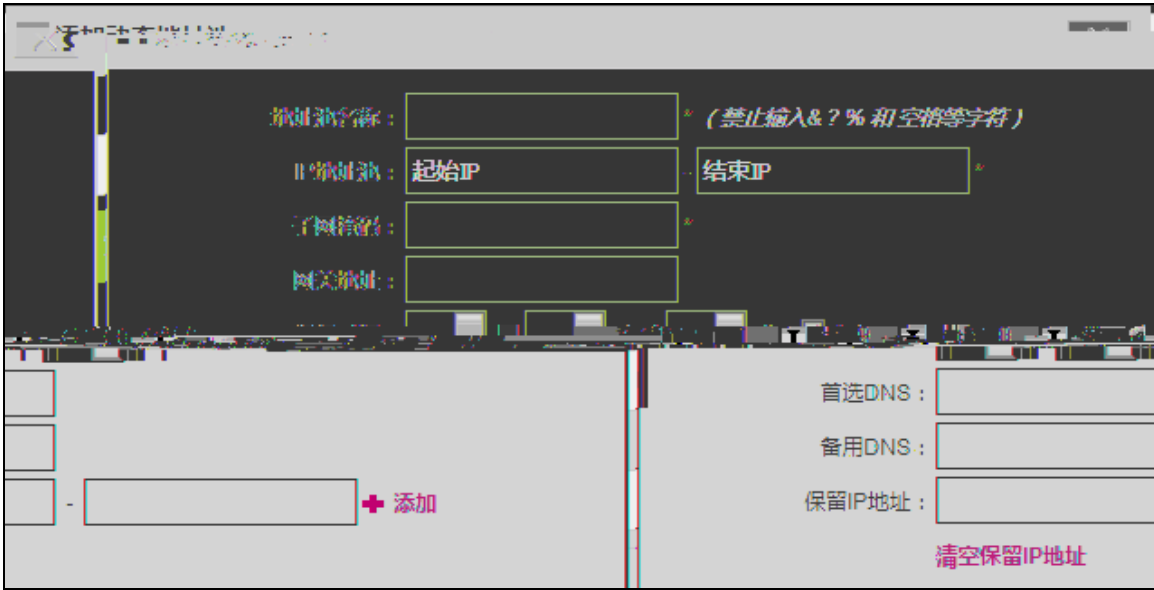


1.3.3.4 DNS

dns DNS IP dns
ping dns
1-22



1-23



IP

IP

IP

DHCP

DNS

DNS

DNS

DNS

IP

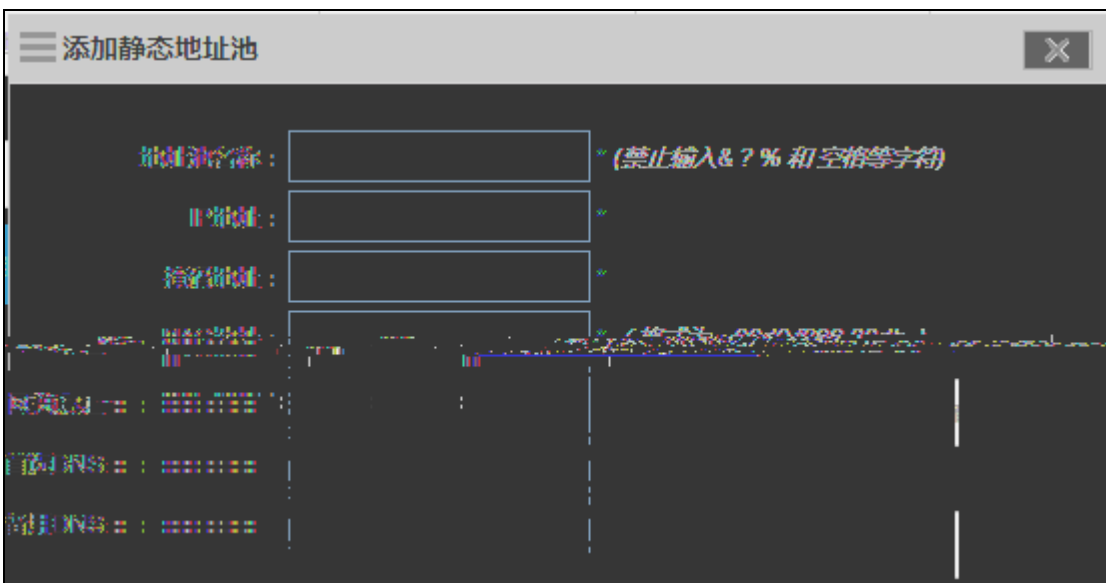
DHCP

ip

MAC

IP

1-26

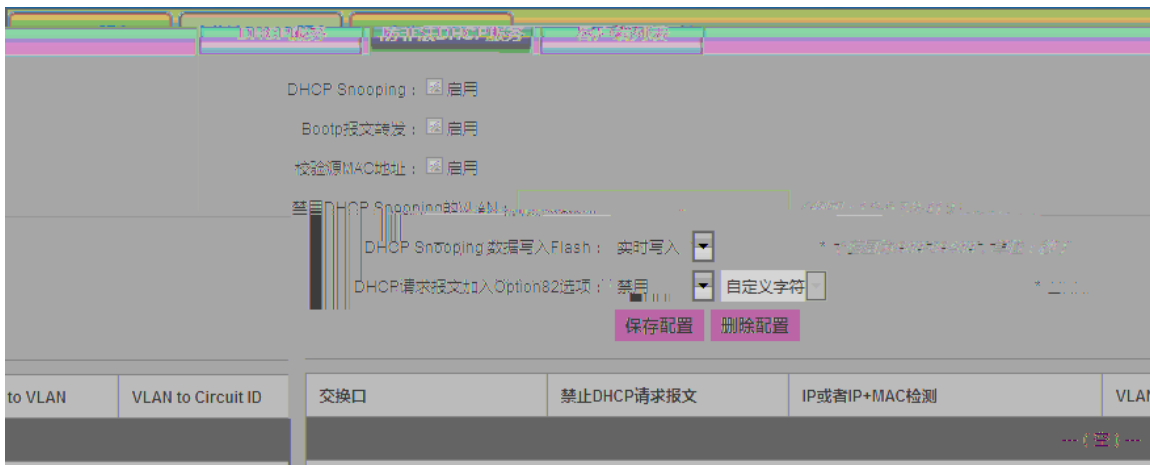


IP IP
IP
MAC MAC
()
DNS DNS ()

⚡ MAC IP

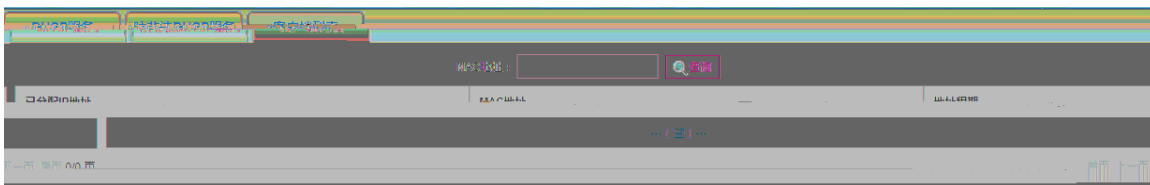
DHCP

1-27

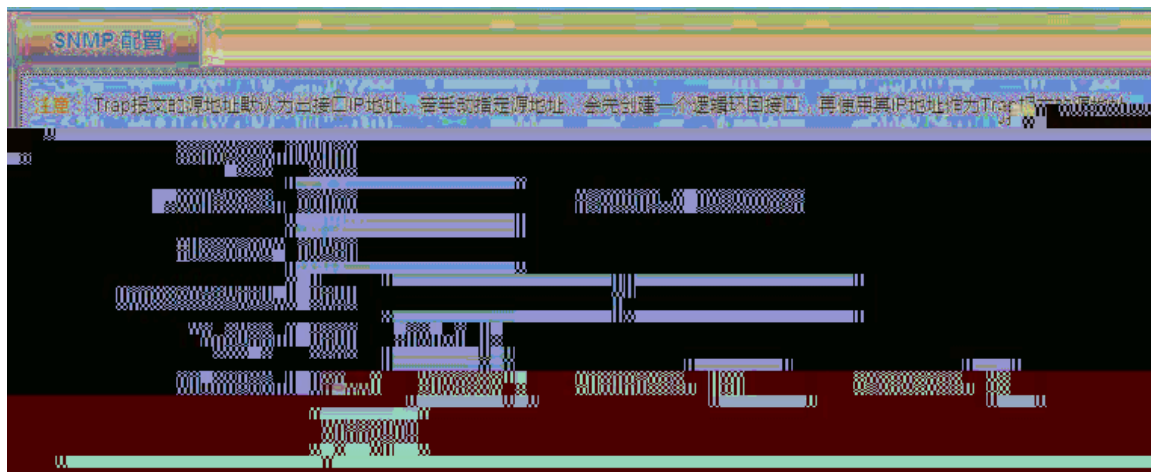


IP

1-28



1.3.3.6 VRRP



1.3.4

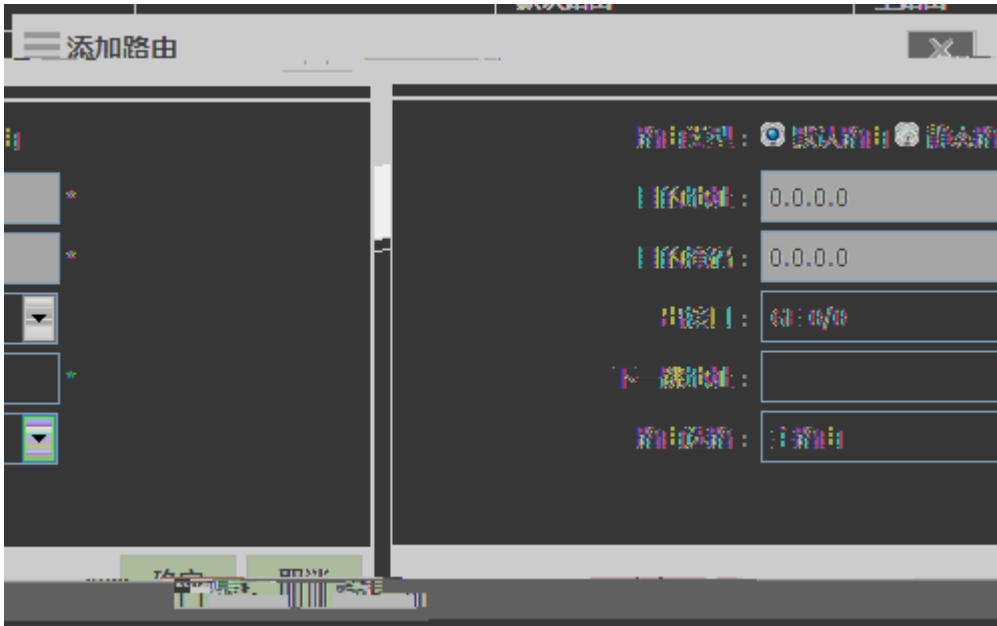
1.3.4.1

1-31





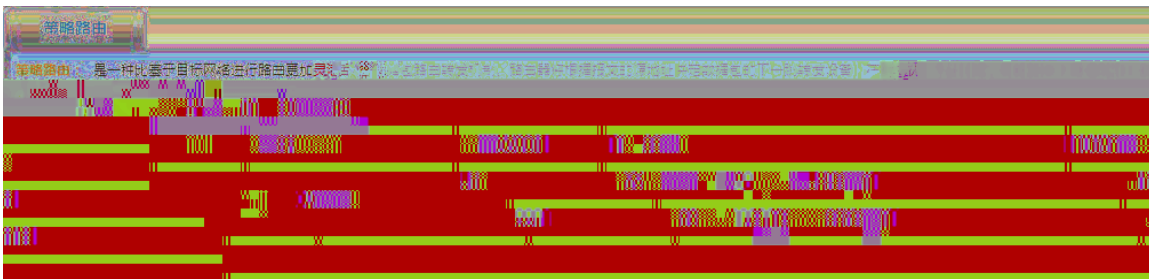
1-32



1.3.4.2

PBR Policy-Based Routing
IP

1-33



ACL

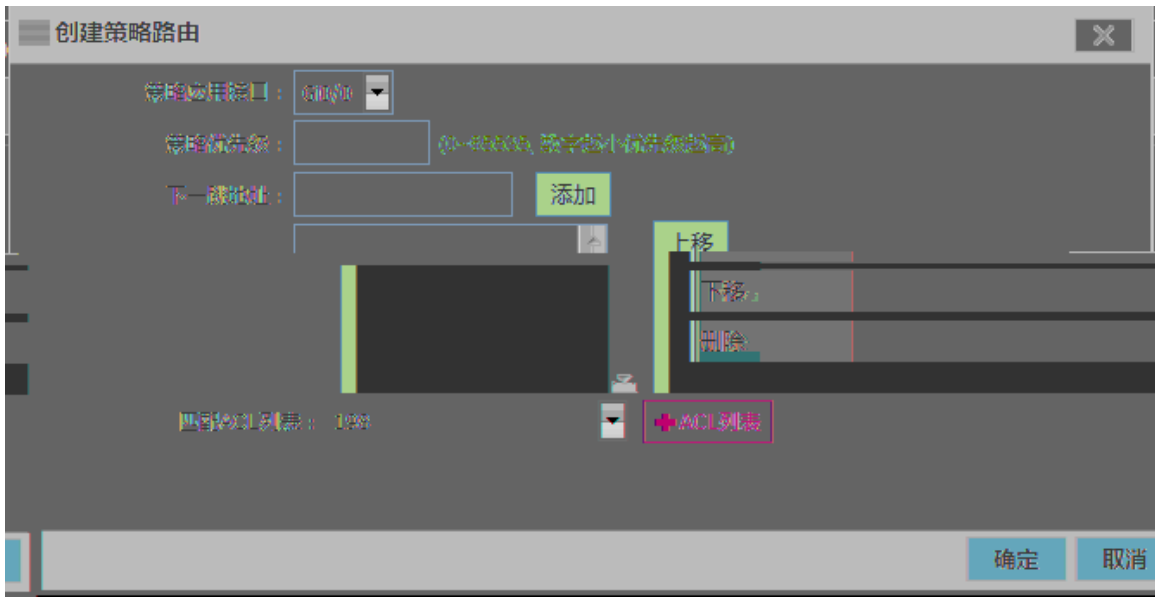
ACL

IP



IP

1-34



1.3.4.3 OSPF

OSPF Open Shortest Path First Autonomous System

(Interior Gateway Protocol,IGP),

(RIP) OSPF

OSPF

OSPF

OSPF

WEB

IP

OSPF

	ID	ID	
--	----	----	--

OSPF

OSPF

ospf

ID " 1"

1-35

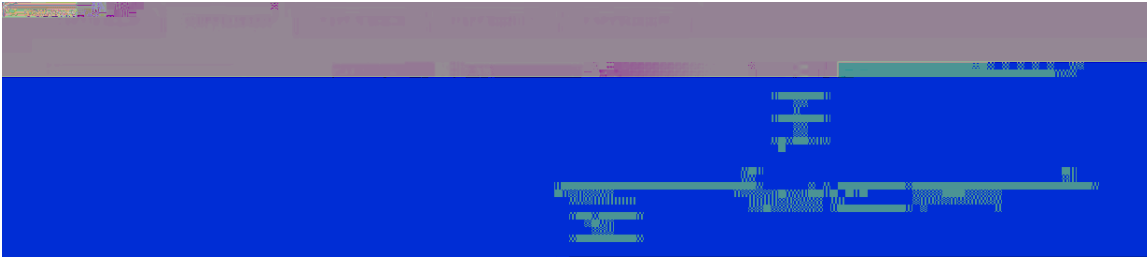


OSPF

VLAN

OSPF

1-36



OSPF

OSPF

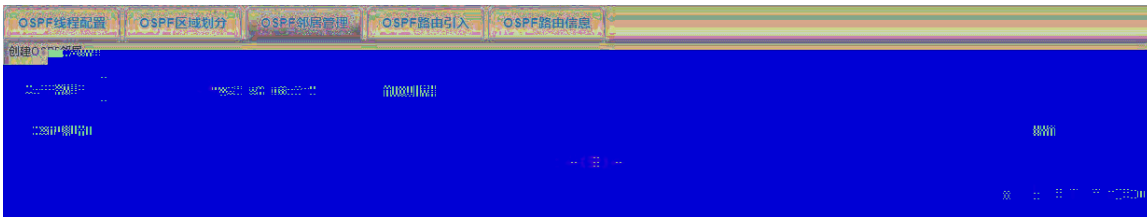
OSPF

OSPF

OSPF

OSPF

1-37



OSPF

OSPF

:

OSPF

RIP

OSPF

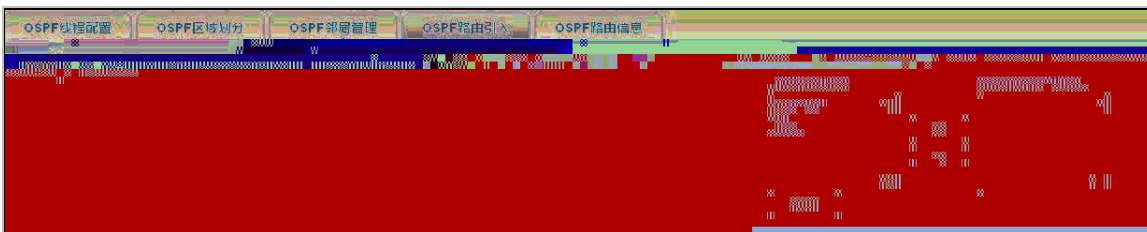
RIP

OSPF

RIP

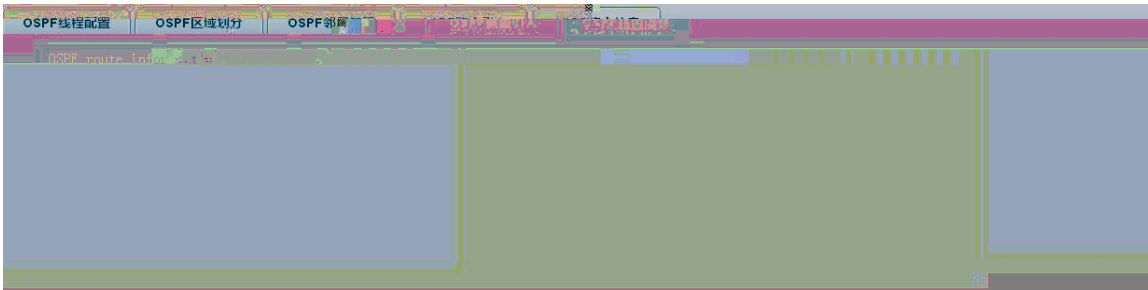
rip connected static

1-38



OSPF

1-39



1.3.4.4 RIP



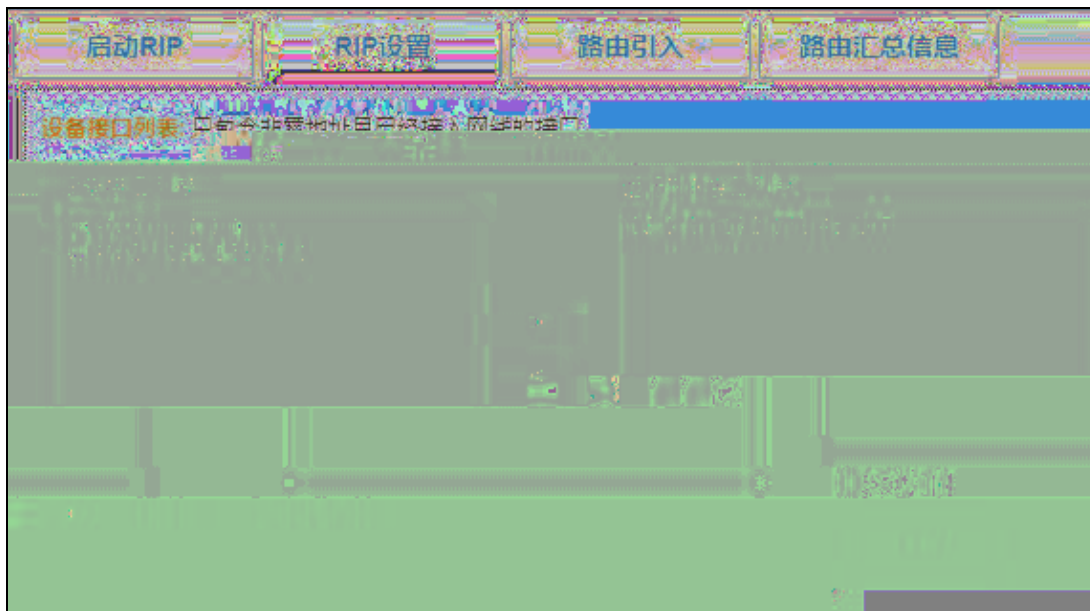
RIP

VLAN

RIP

RIP

1-41





1.3.5

1.3.5.1 VPN

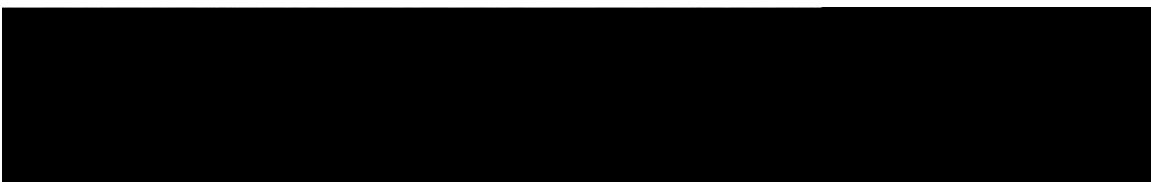
VPN " Virtual Private Network" " "

VPN

VPDN

vpdn vpdn

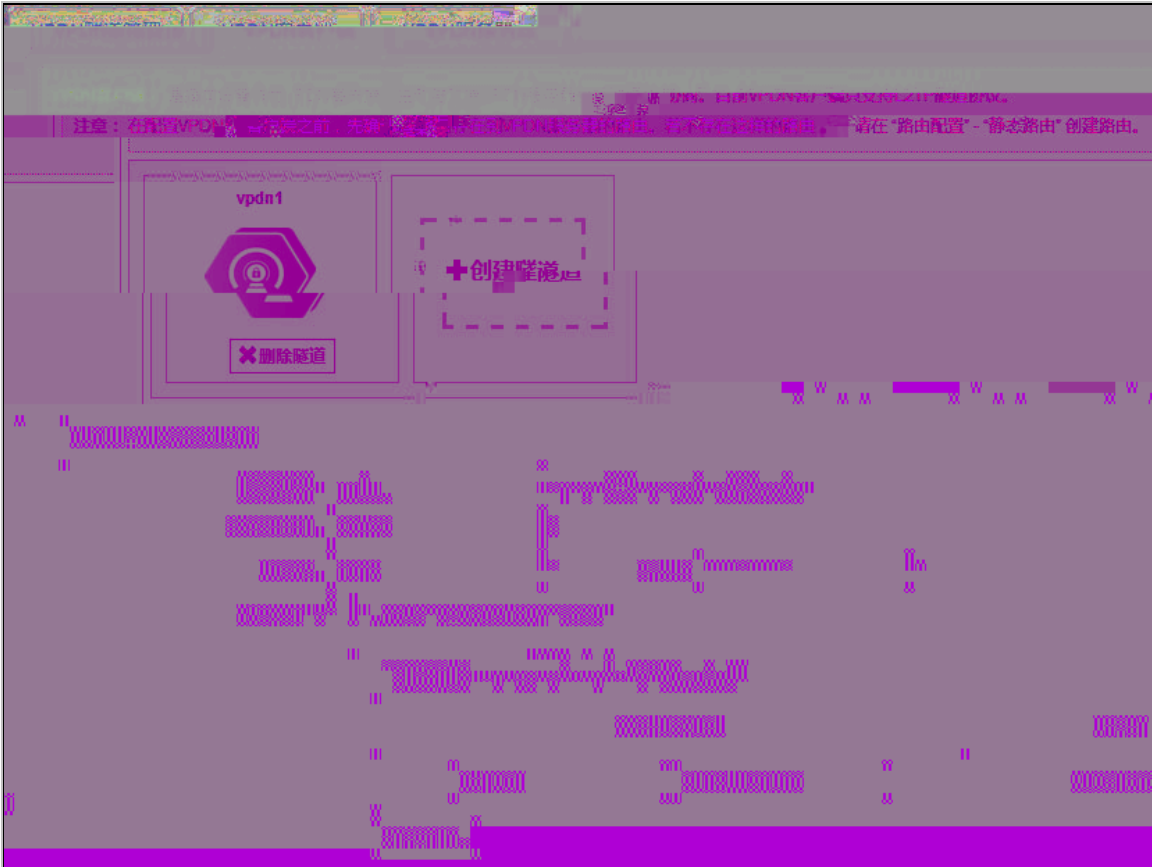
1-45



VPDN

VPDN VPDN VPDN L2TP

1-46



VPDN

VPDN

VPDN

IP

vpdn

VPDN

VPDN
PPTP L2TP

VPDN

VPDN

VPN

VPDN

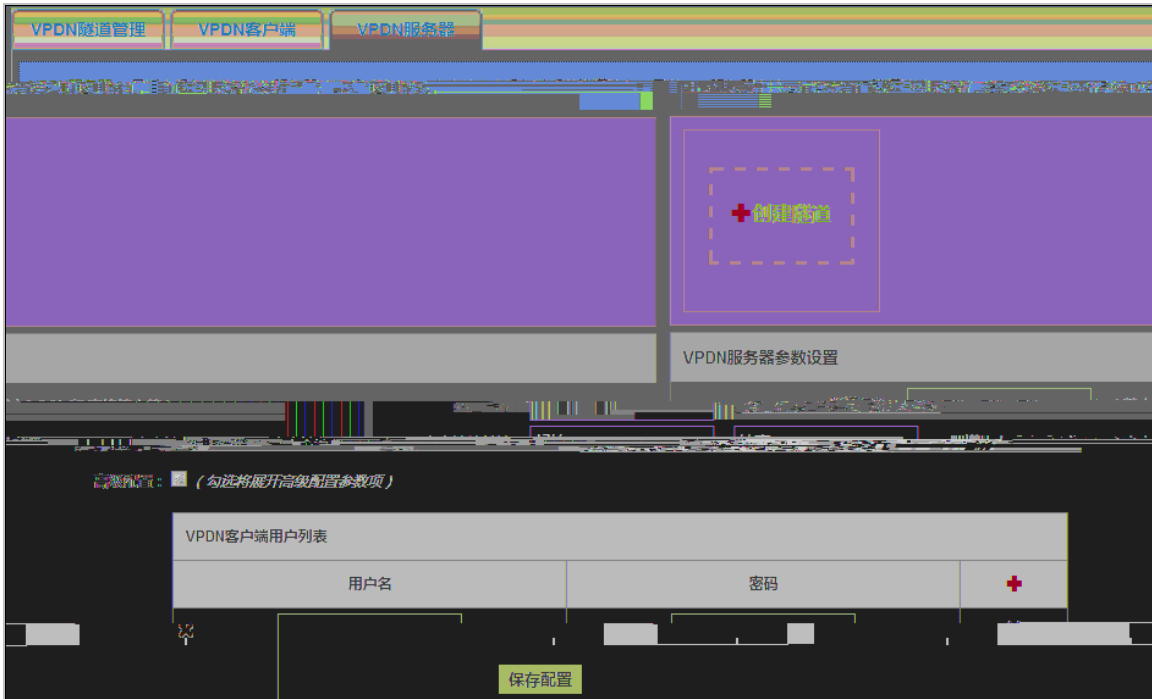
IP

PPTP L2TP

vpdn

vpdn

1-47



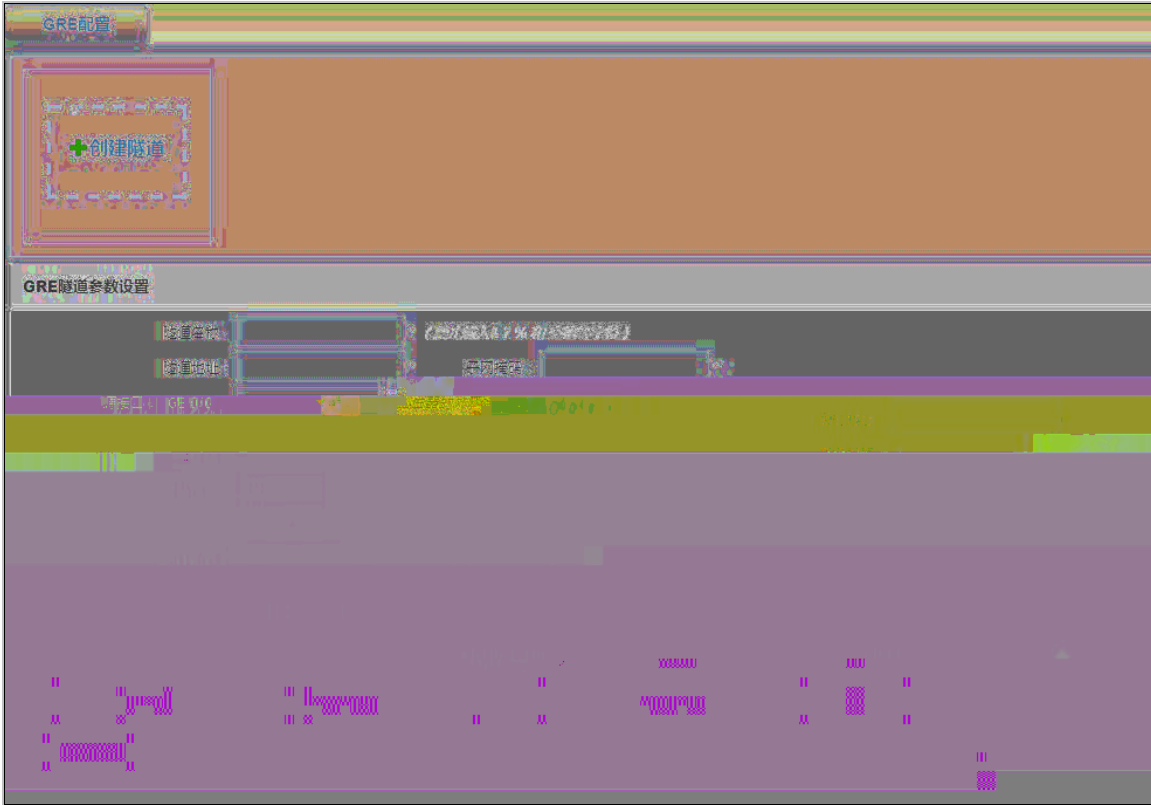
1.3.5.2 GRE

GRE GRE

GRE

GRE

1-48



1.3.5.3 IPsec VPN



IPsec

ipsec ipsec mib

1-49



IPsec

ipsec

IP IPsec IP 6 IP

IPsec

VPN

IKE

IKE

DES 3DES AES SM1

SHA MD5

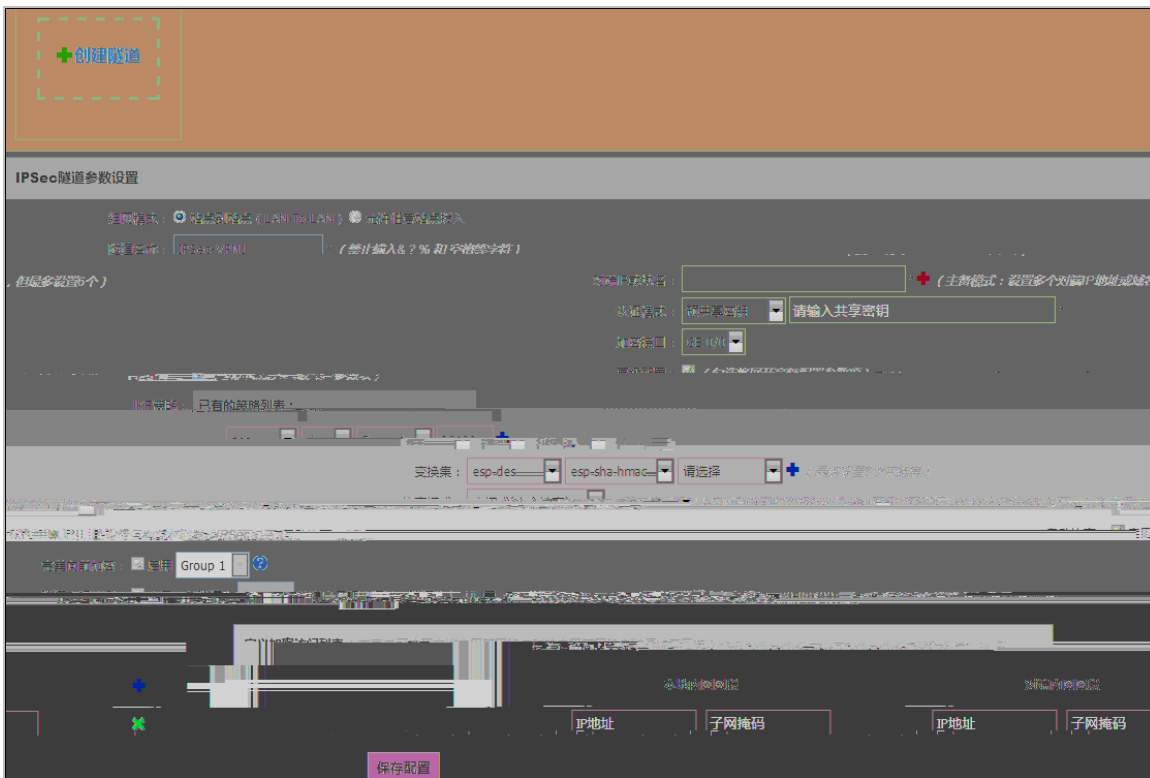
ESP-DES ESP-3DES ESP-3DES ESP-SHA-HMAC

ESP-3DES ESP-MD5-HMAC

ESP-DES

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

1-50



IPsec

ipsec

1-51



1.3.6

1.3.6.1

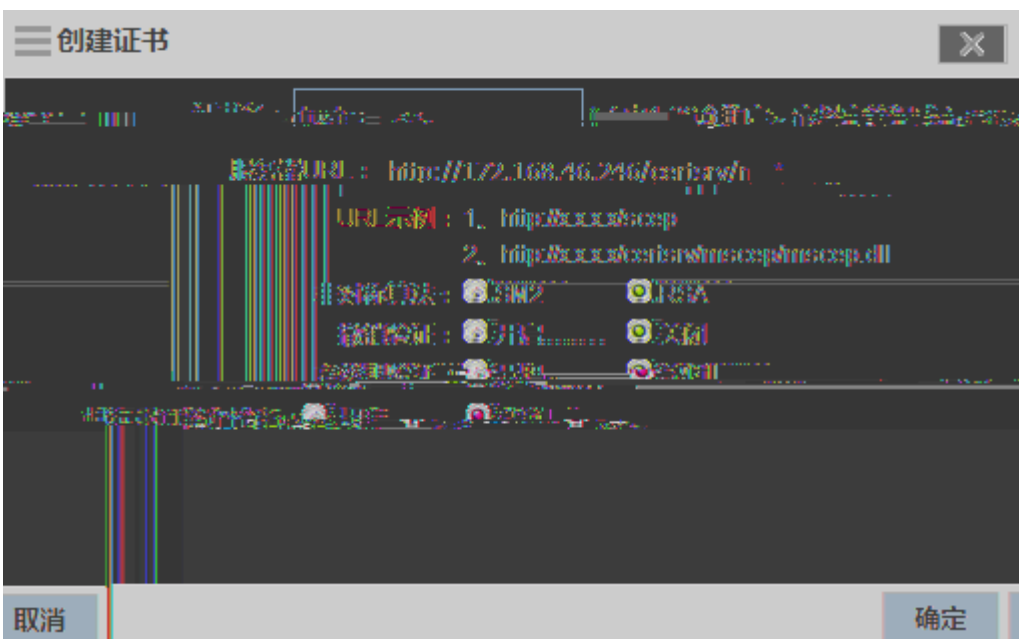
CA Certificate Authority

1-52



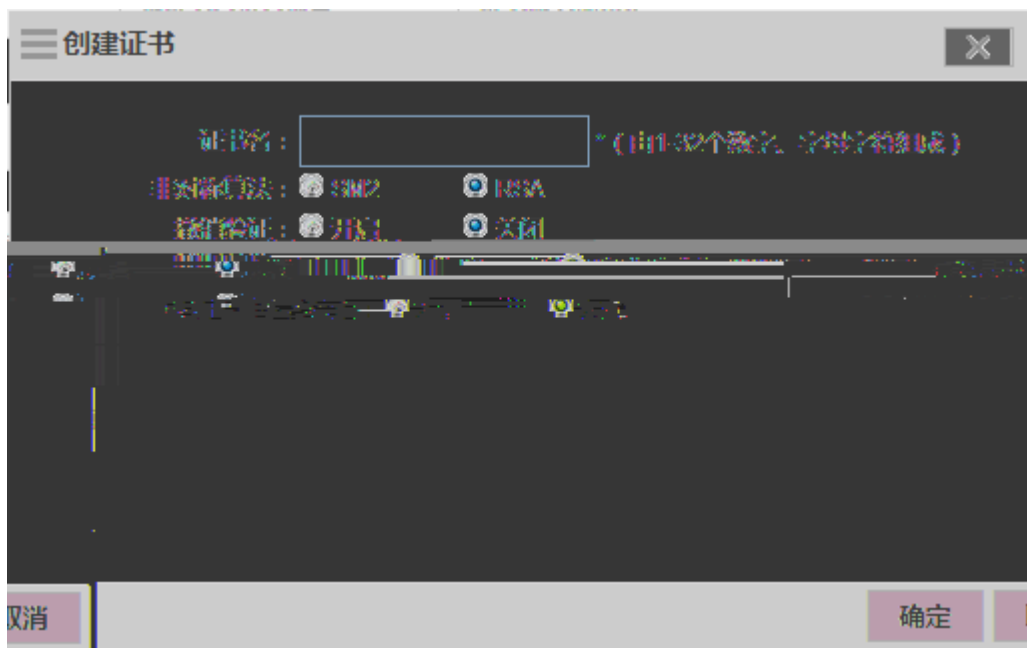
" "

1-53

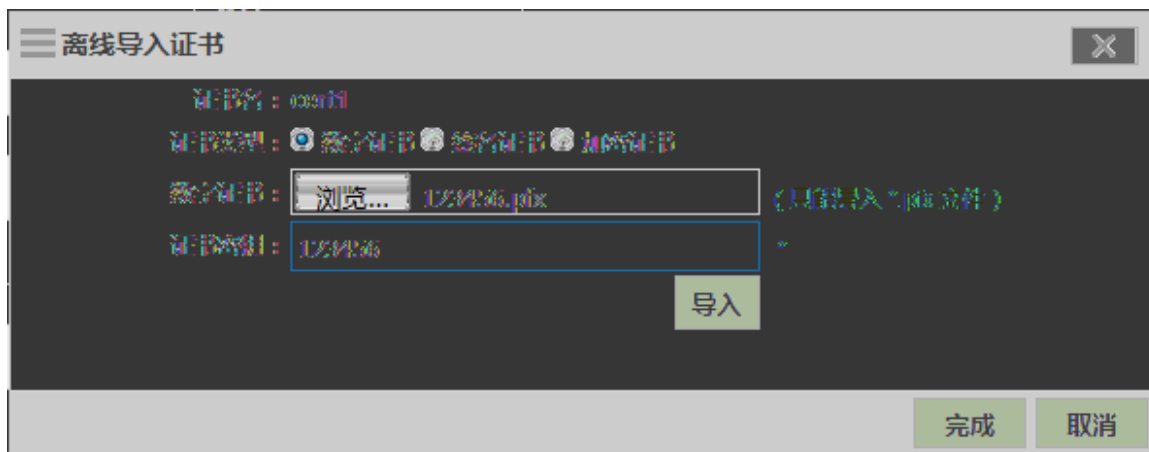




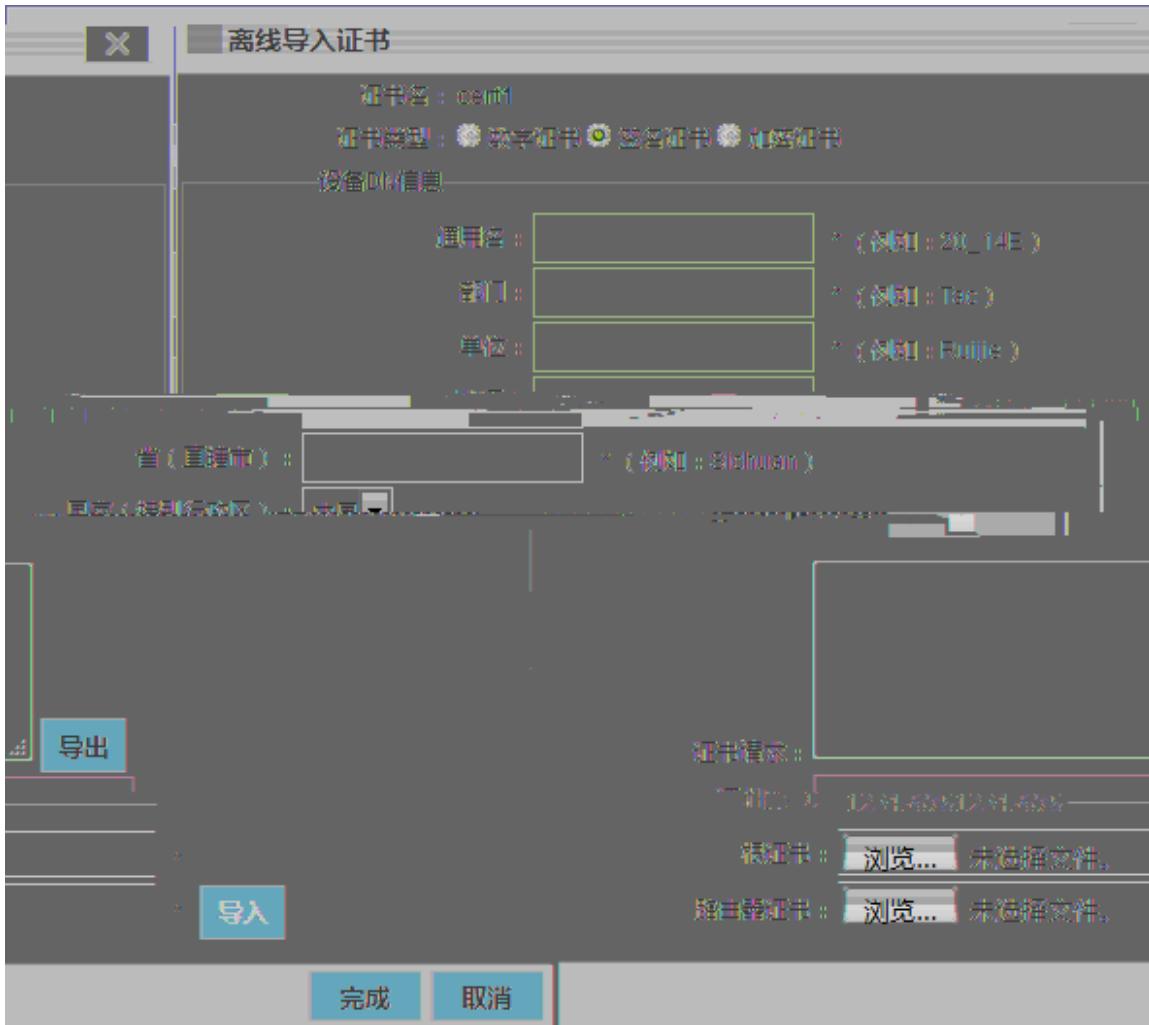
1-56



1-57



1-58

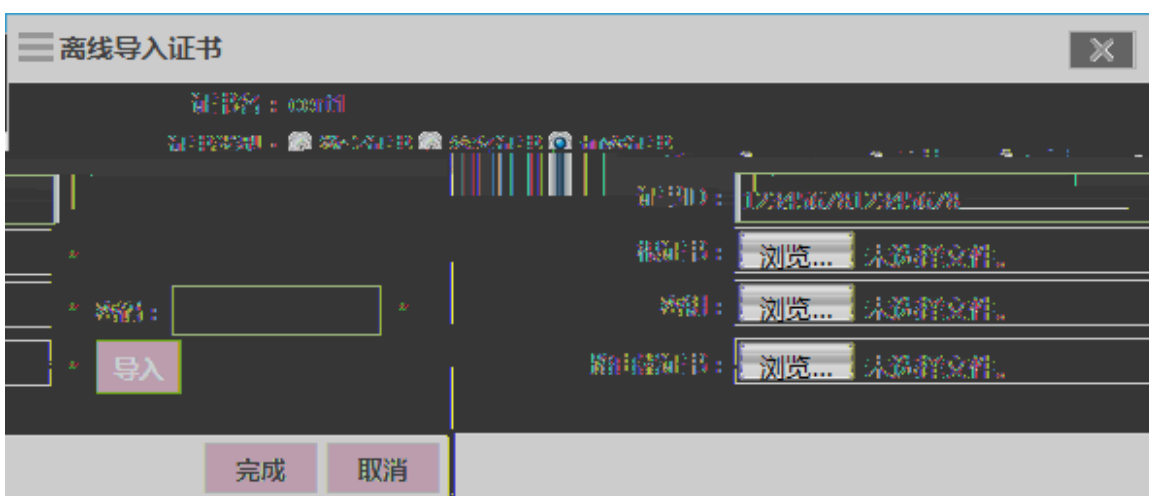


DN

CA Certificate

Authority

1-59



1.3.7 AAA

AAA Authentication Authorization and Accounting

AAA

RADIUS

TACACS+

Local

AAA

AAA



WEB

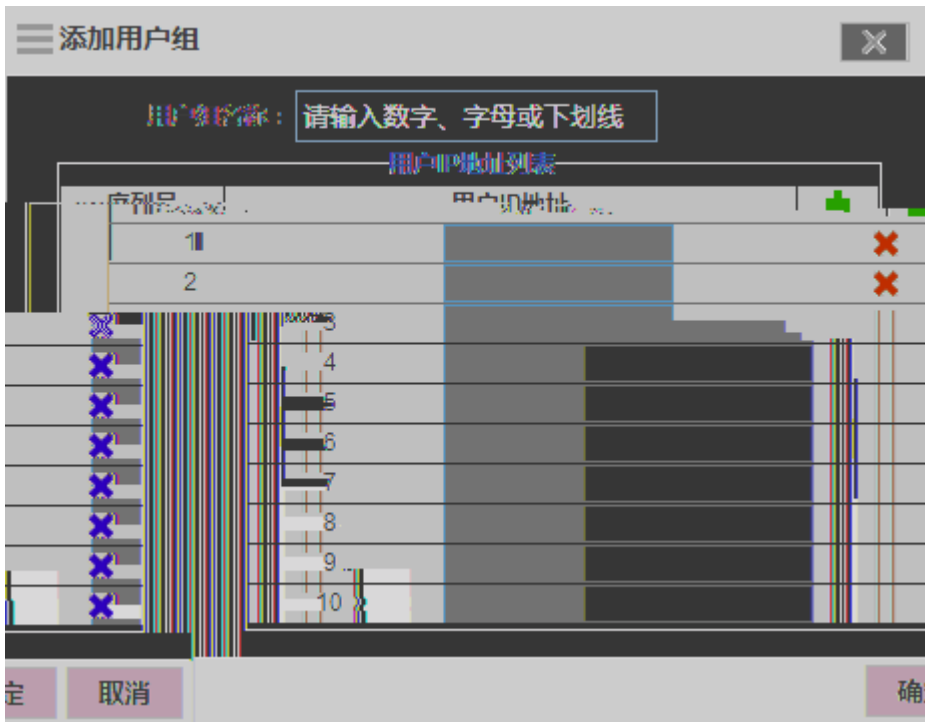
AAA

RADIUS

1-60



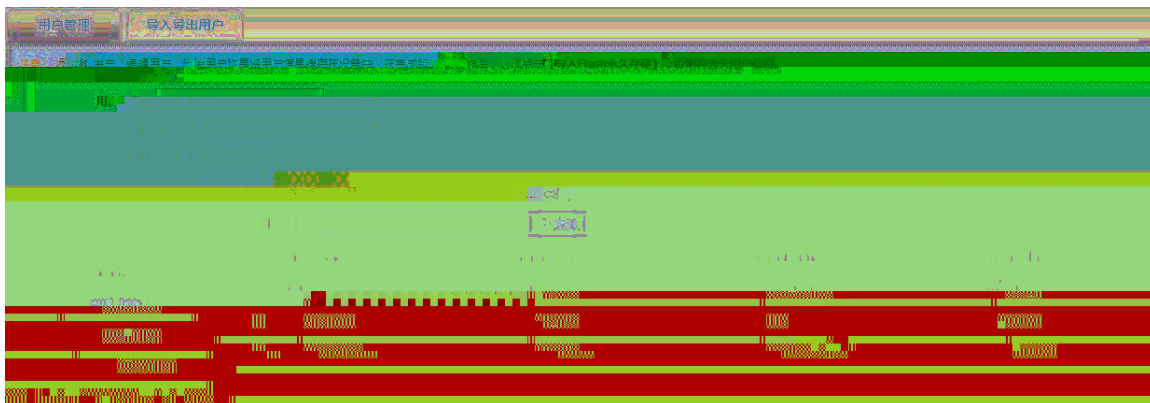
1.3.8



1.3.8.2

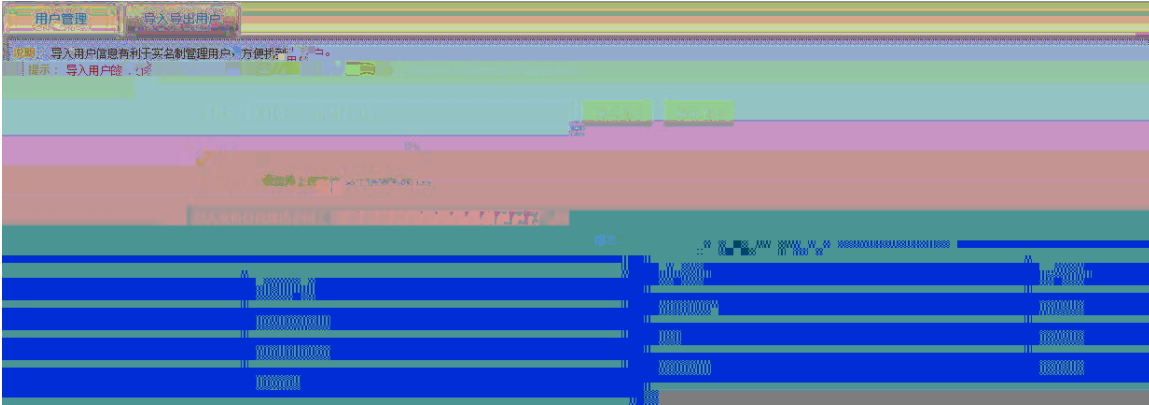
IP

1-63



user-info.csv

1-64

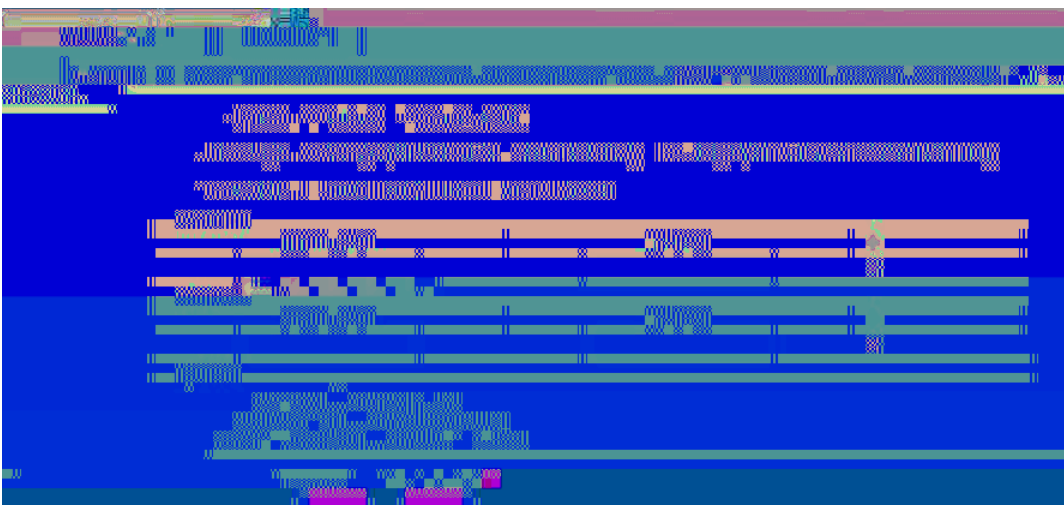


1.3.8.3 WEB

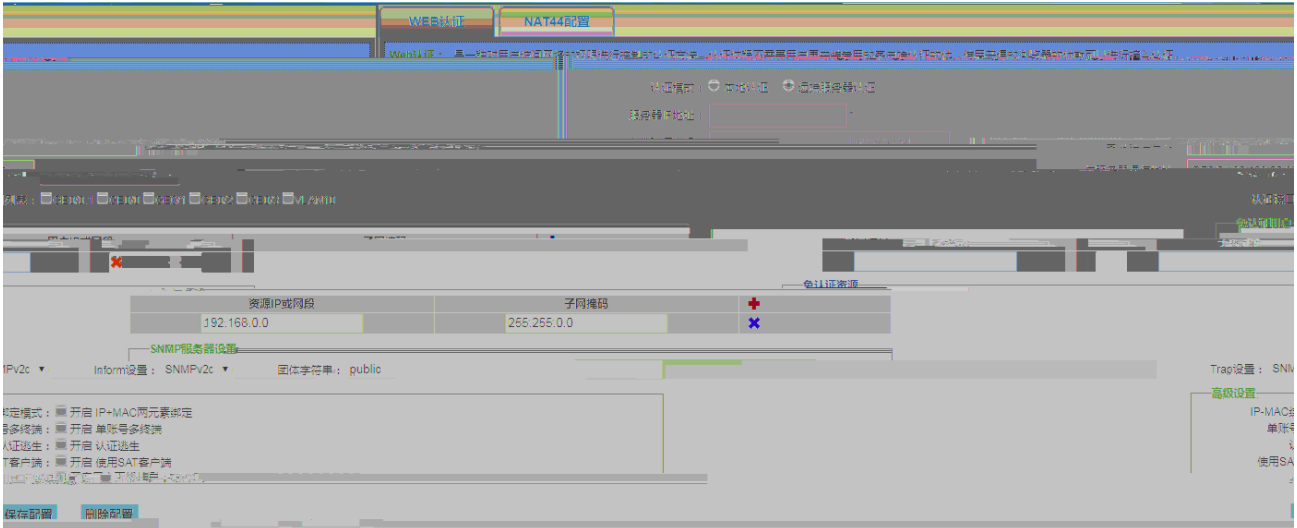
WEB

URL

1-65



1-66



IP

IP

SMP

SMP

SNMP

SNMP

IP

IP+MAC

MAC

SAT

SAT

NAT44

NAT44

NAT

NAT44

NAT44

NAT44

- RLOG

1-67



1.3.8.6

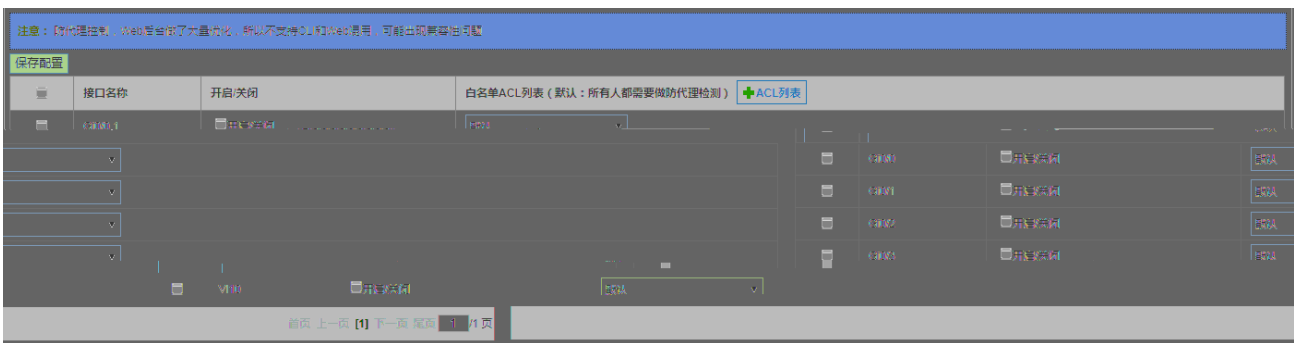
360 WIFI CCPROXY

" N "

ACL

ACL

1-70



1.3.9

1.3.9.1

ARP

ARP

ARP

" ARP "

ARP

ARP

10

ARP

DoS

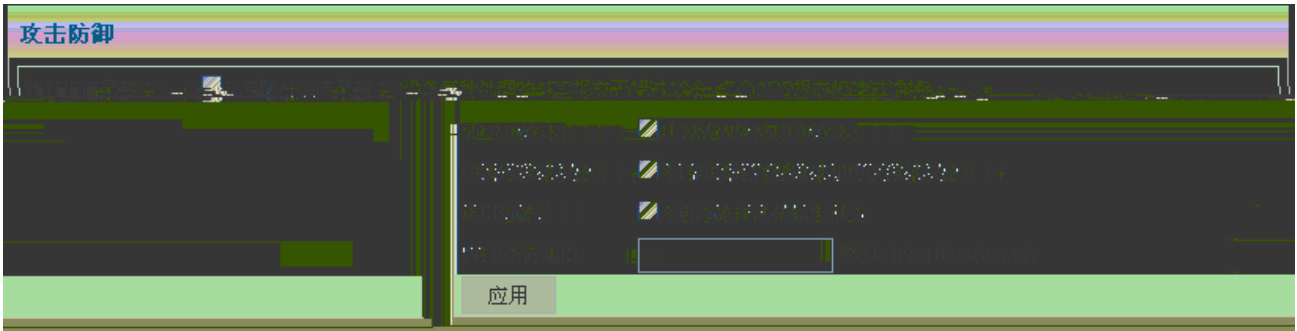
DoS

DoS/DDoS

IP

SYN Flood

WEB WEB 80 WEB WEB
1-71



1.3.9.2 IP-MAC

IP-MAC

IP-MAC IP-MAC IP MAC IP-MAC
ARP IP-MAC

1-72



IP MAC IP
MAC IP MAC

IP-MAC

IP-MAC ARP IP-MAC

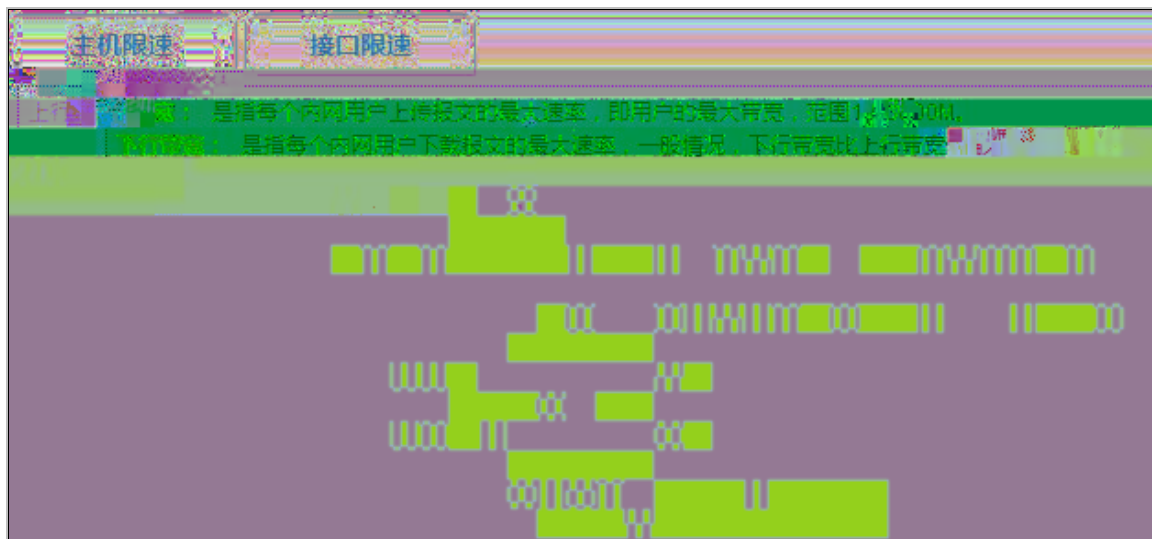
" IP-MAC " IP-MAC

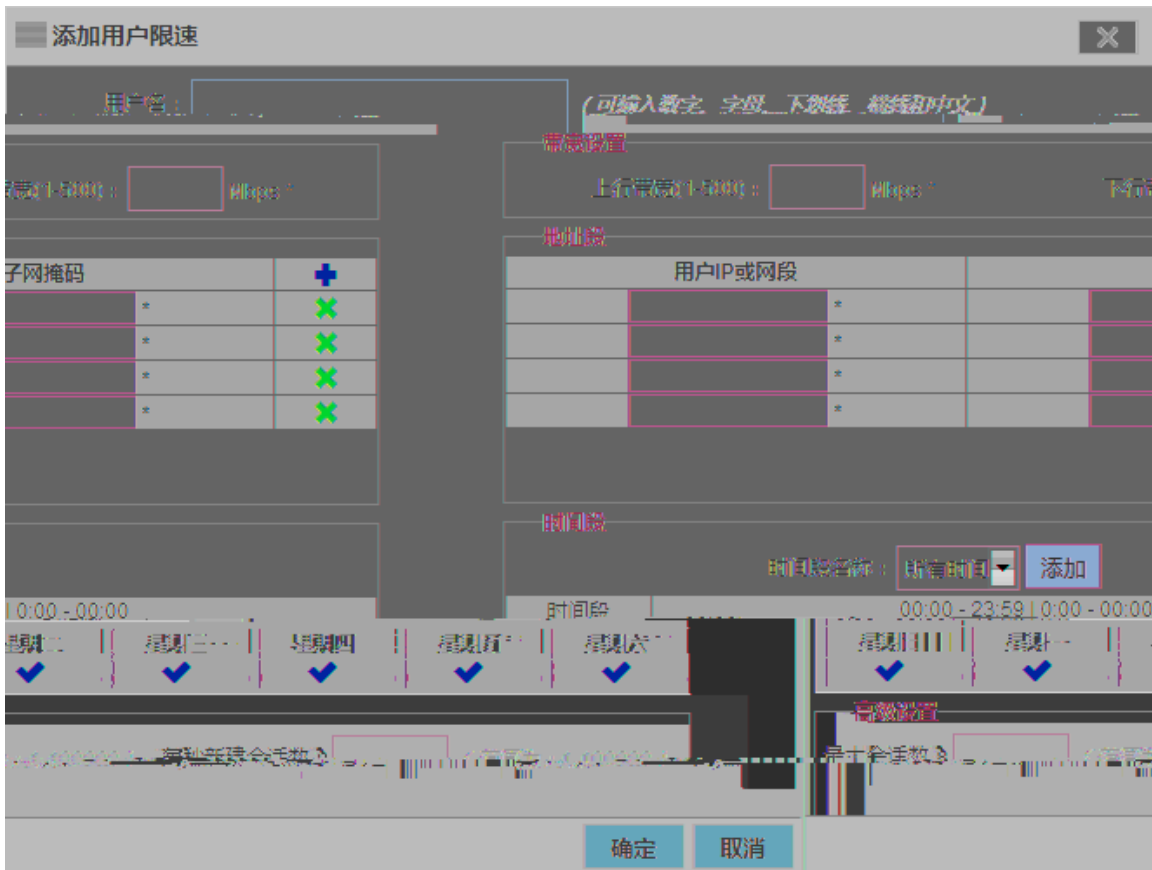
1-73





1-77





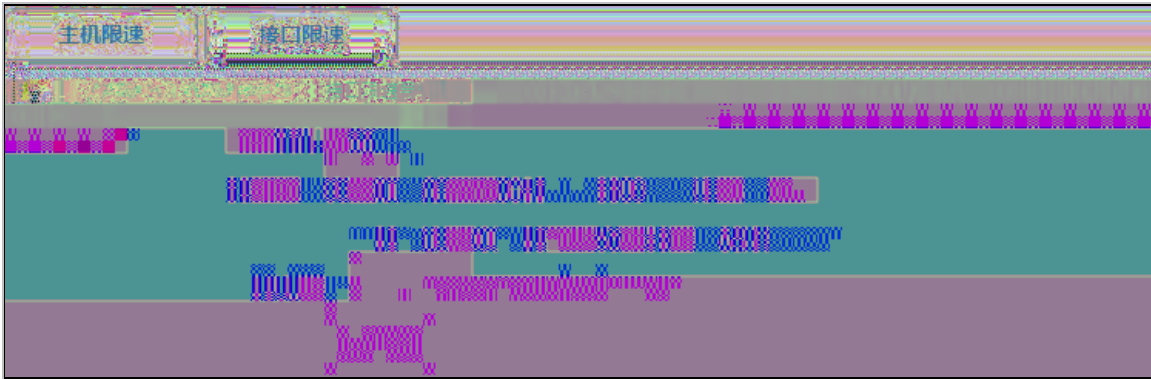
WEB

IP

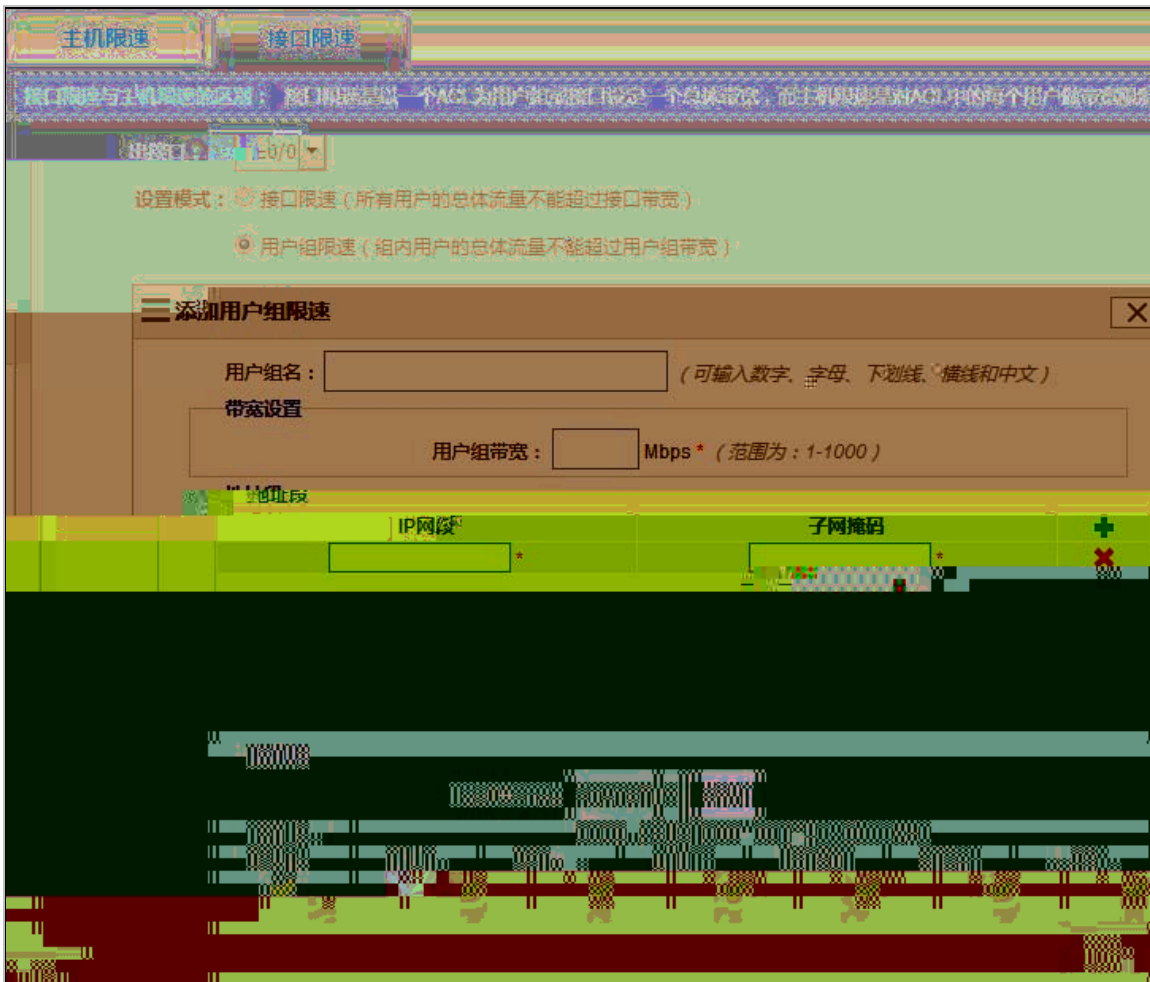
1.3.10.2

IP

1-79



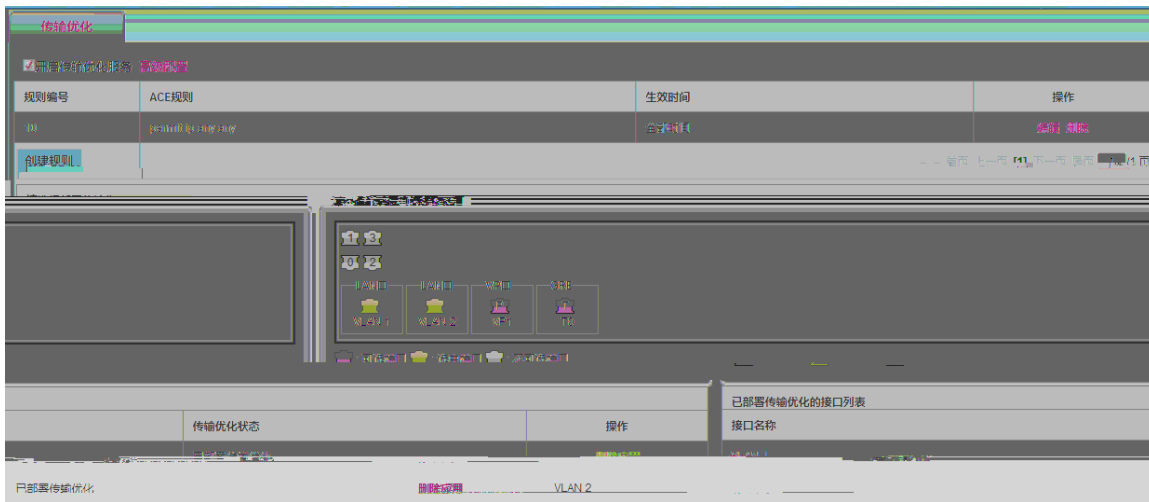
1-80



1.3.10.3

RSR30-X-SPU10

1-81



1-82



low-bandwidth-delay

10

120

9

Mss MSS 1420

 0
 1024

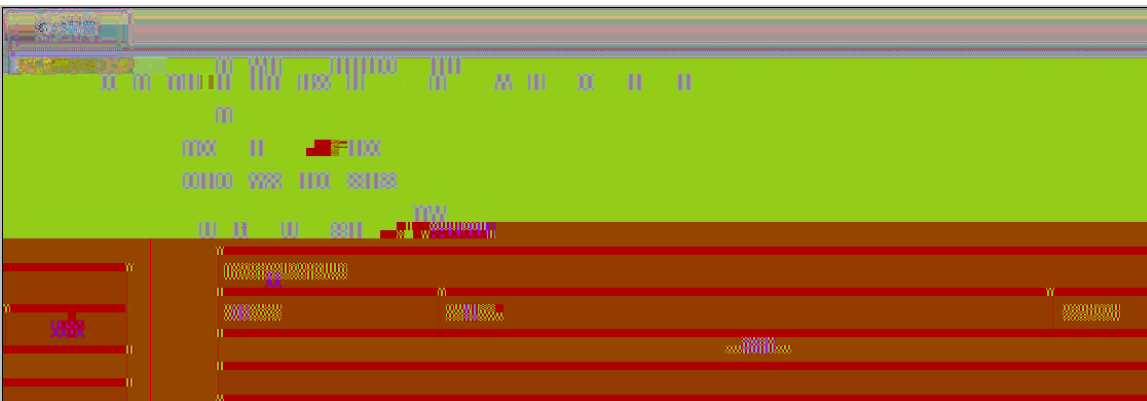
Sack

1.3.10.4 QoS

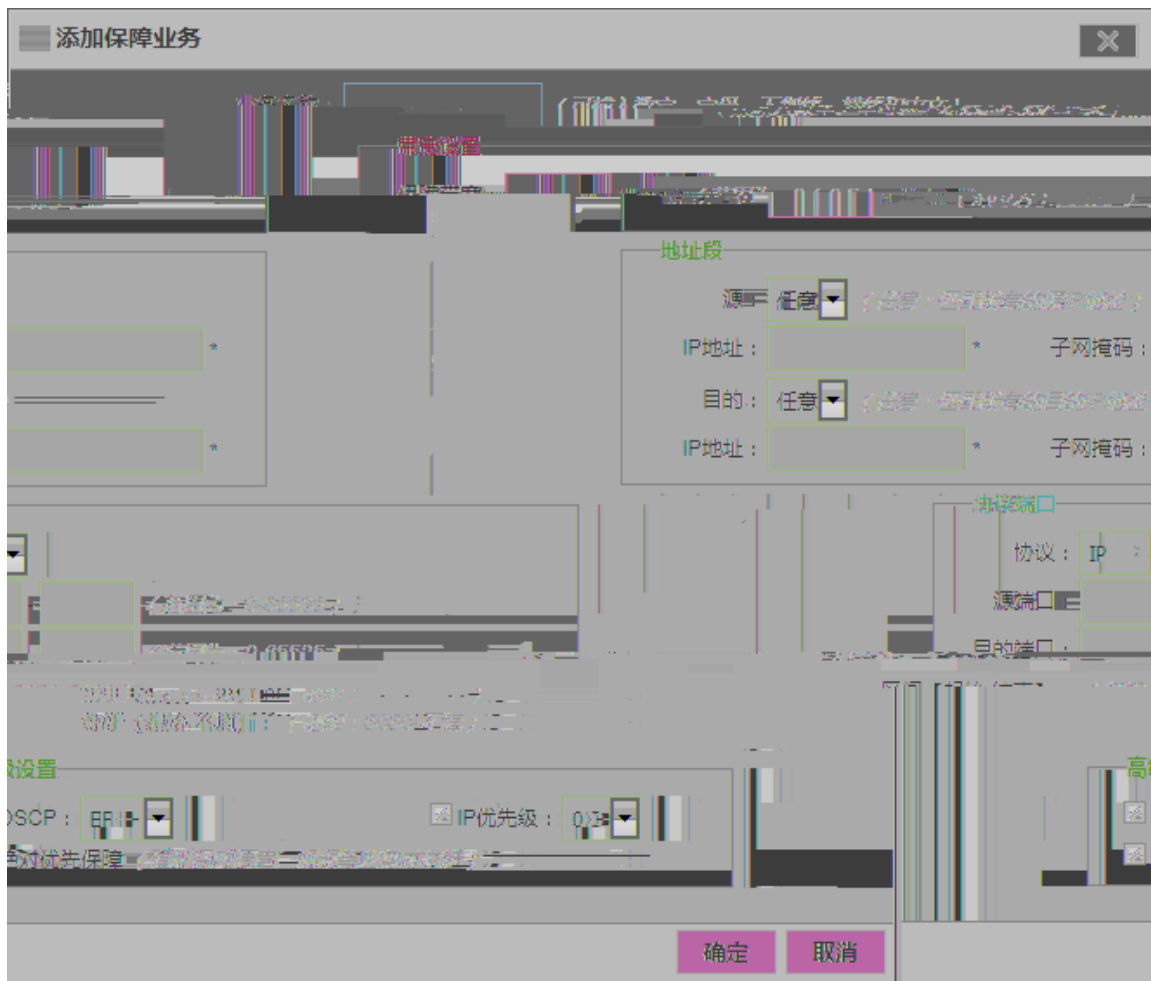
QoS

QoS

1-83



1-84



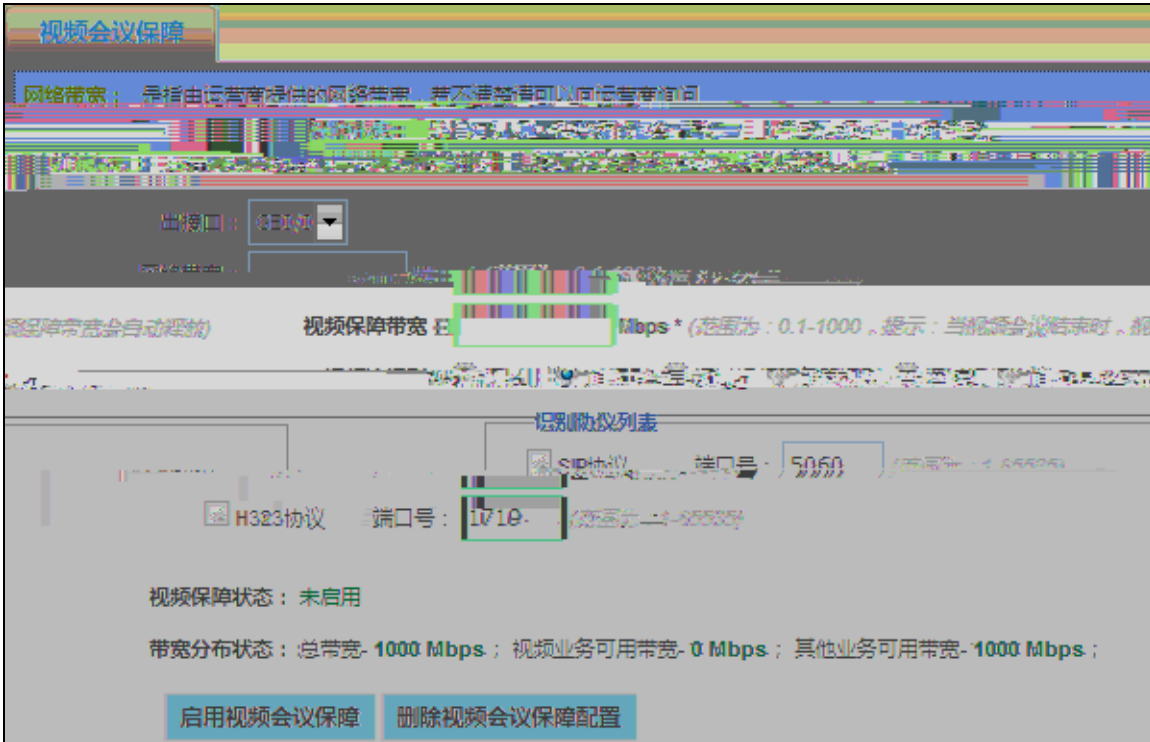
WEB

IP IP

1.3.10.5

1. H323 SIP
2. IP
3. IP

1-85



(H323 SIP) IP IP

RSR10-X-07

3

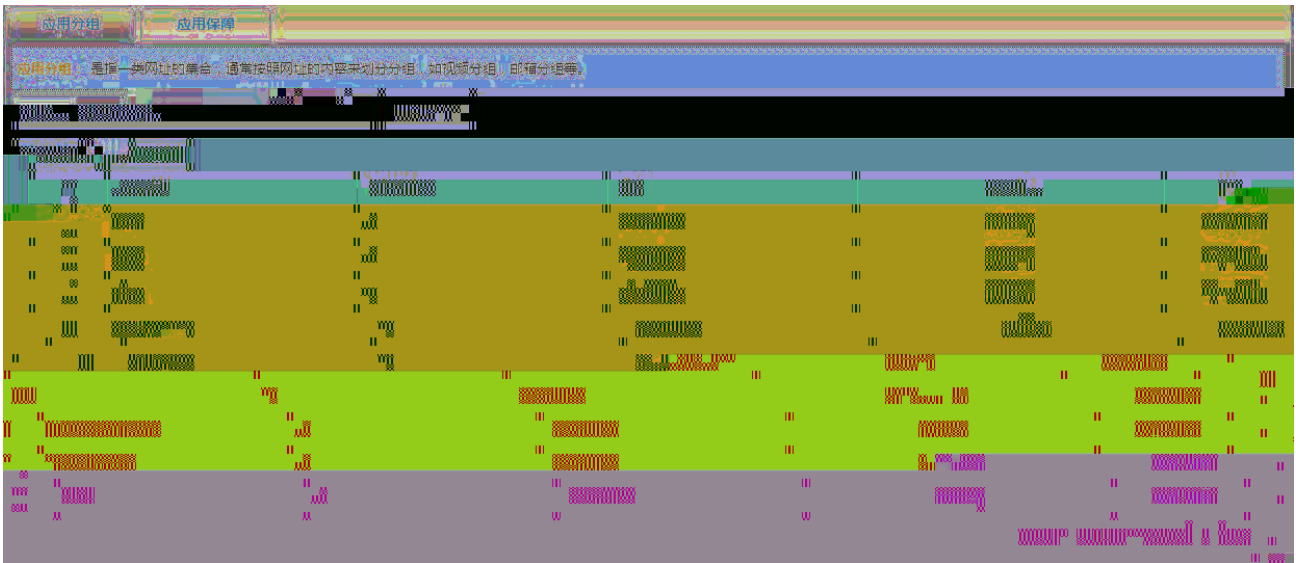
1.3.10.6

Web

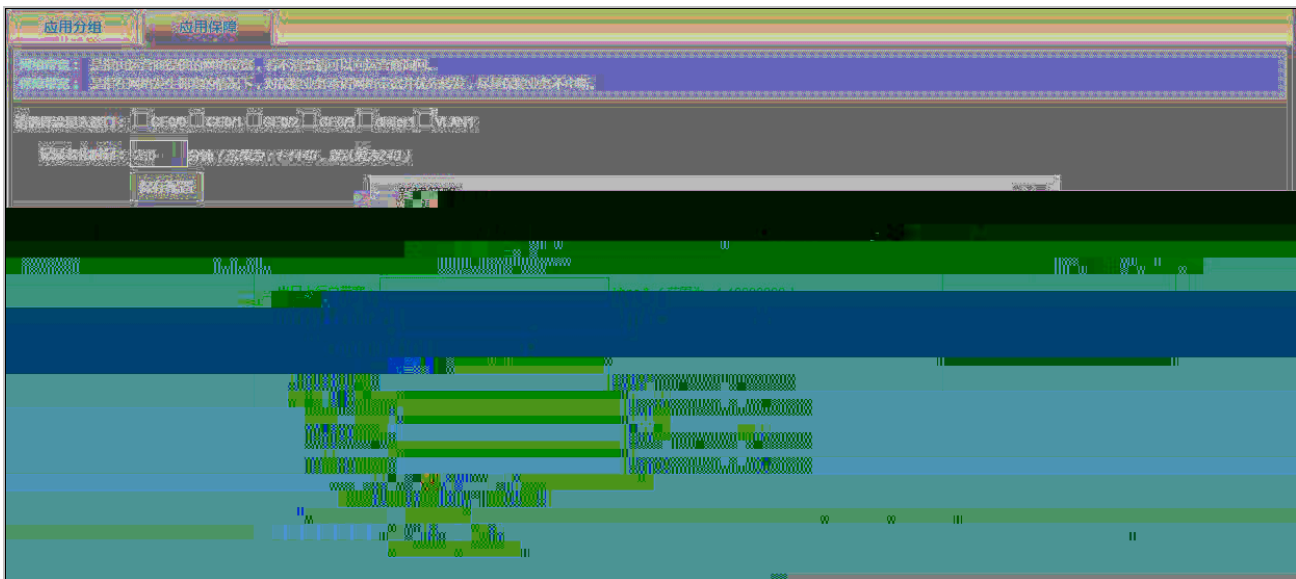
url

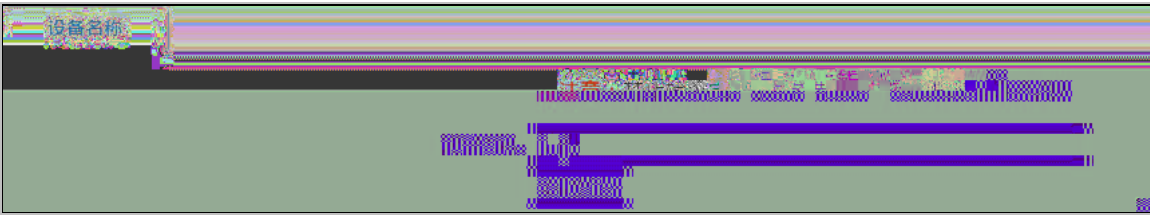
RSR30-X-SPU10

1-86



1-87



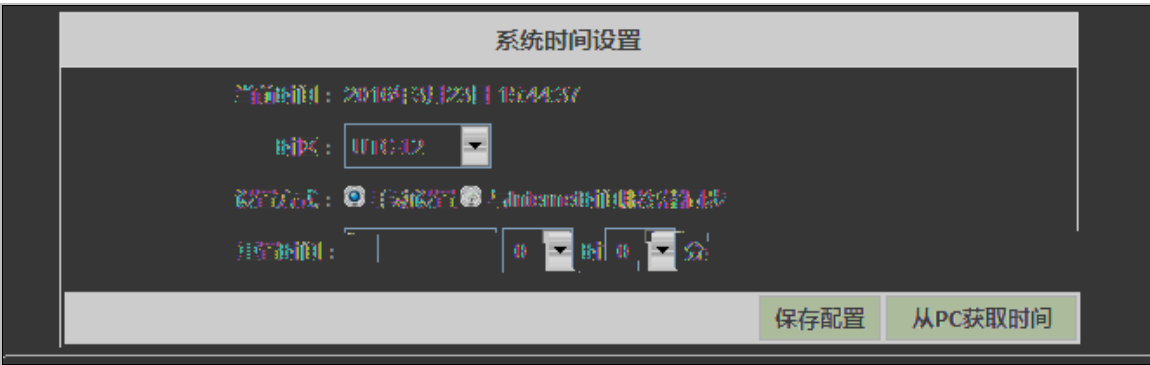


1.3.11.2

Internet " Internet pc "

Internet " DNS " "

1-89

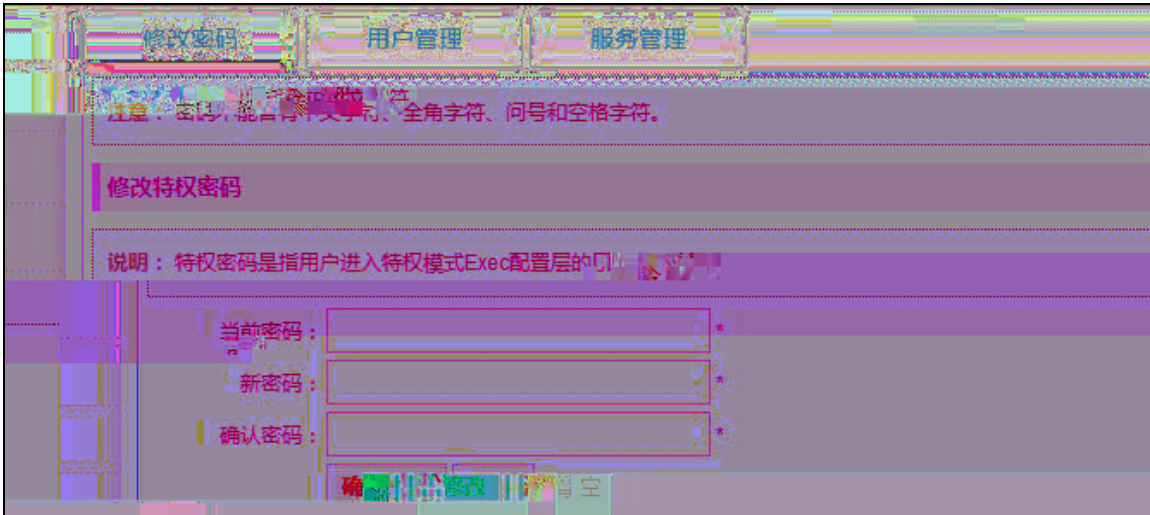


1.3.11.3

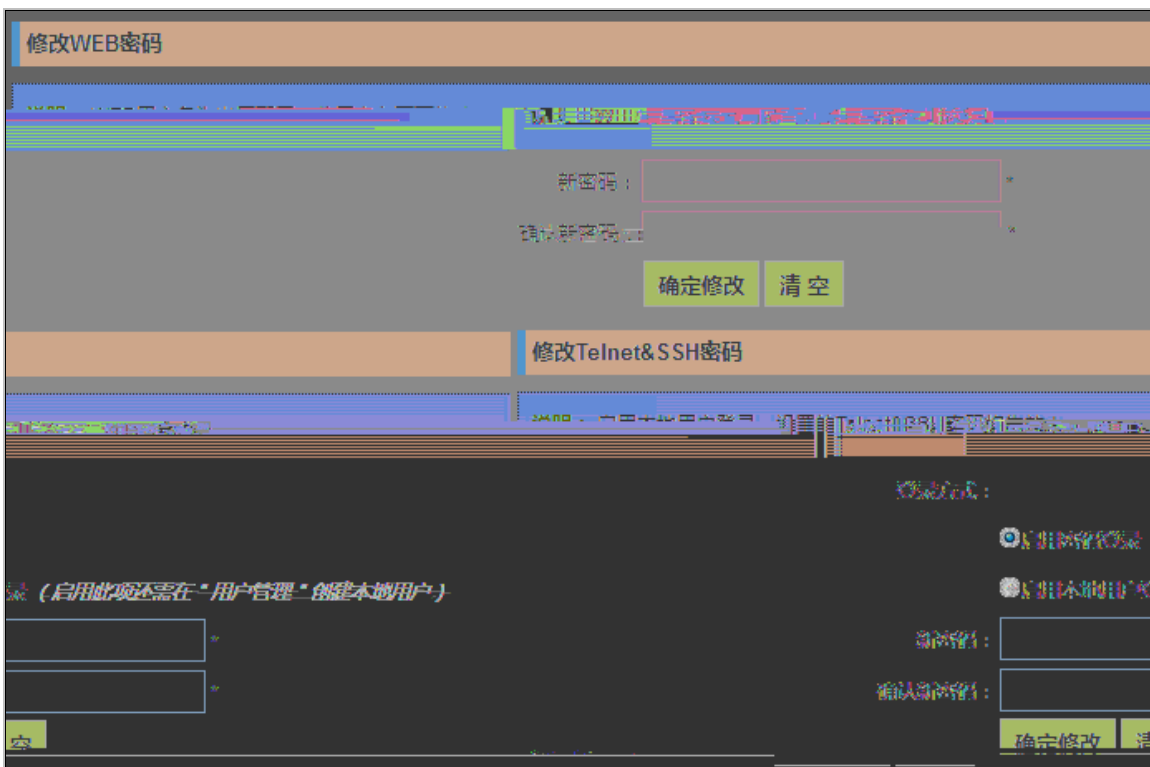
SSH Telnet HTTP HTTPS

web telnet& ssh

1-90



1-91



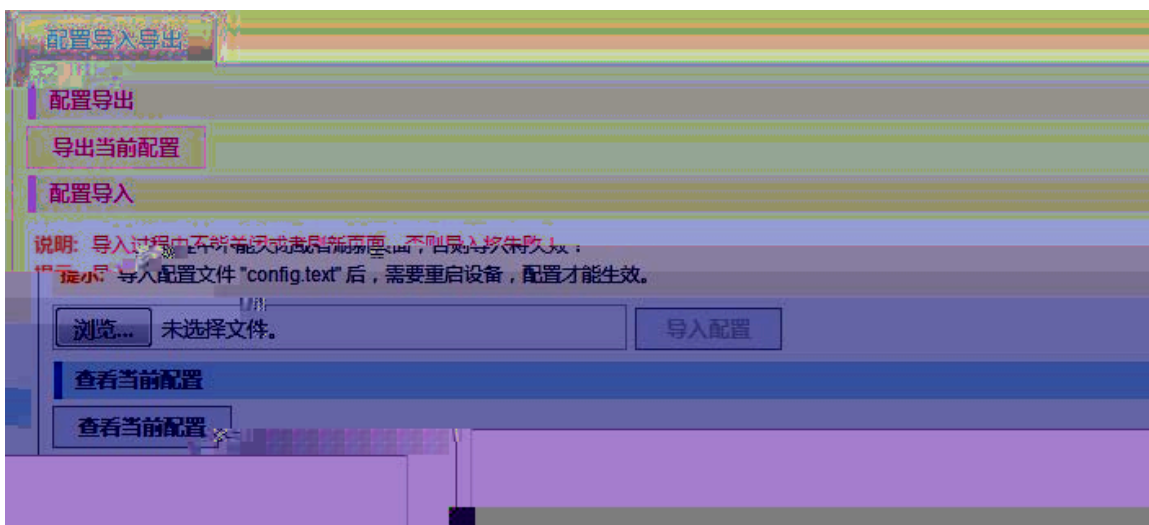
1-92

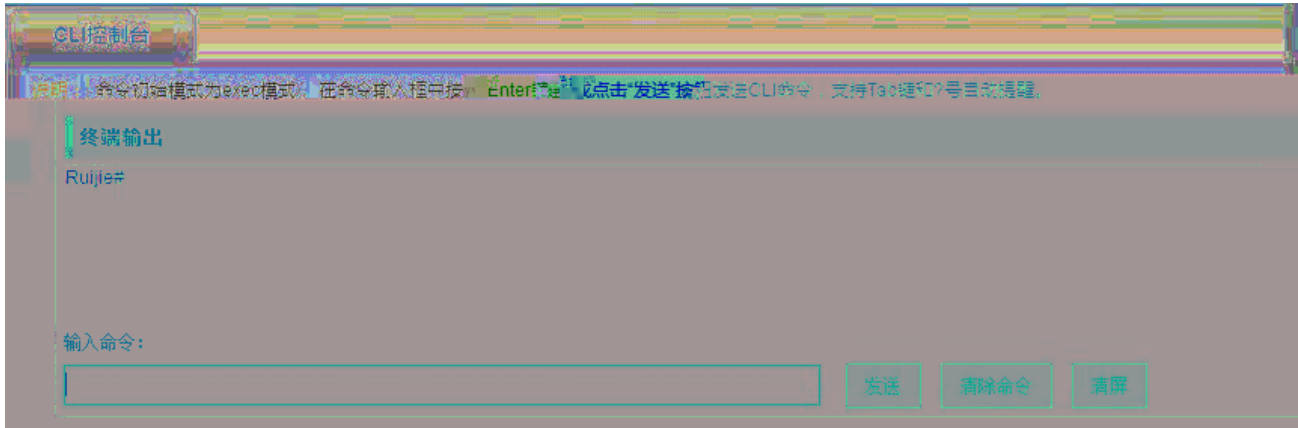
" config.text"

⚡ " config.text"

⚡

⚡ 1-96



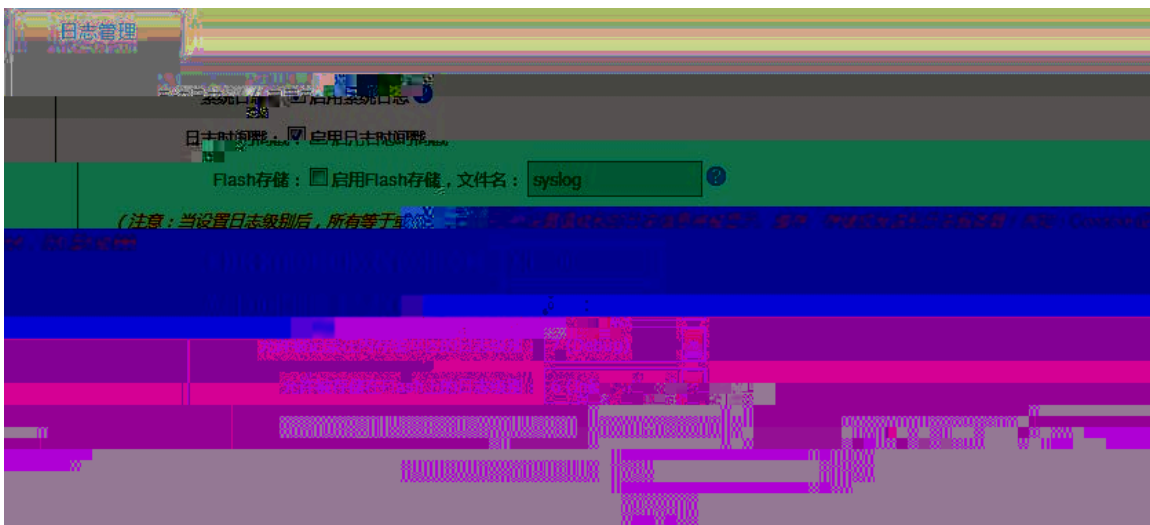


1.3.11.9

flash

IP

1-99



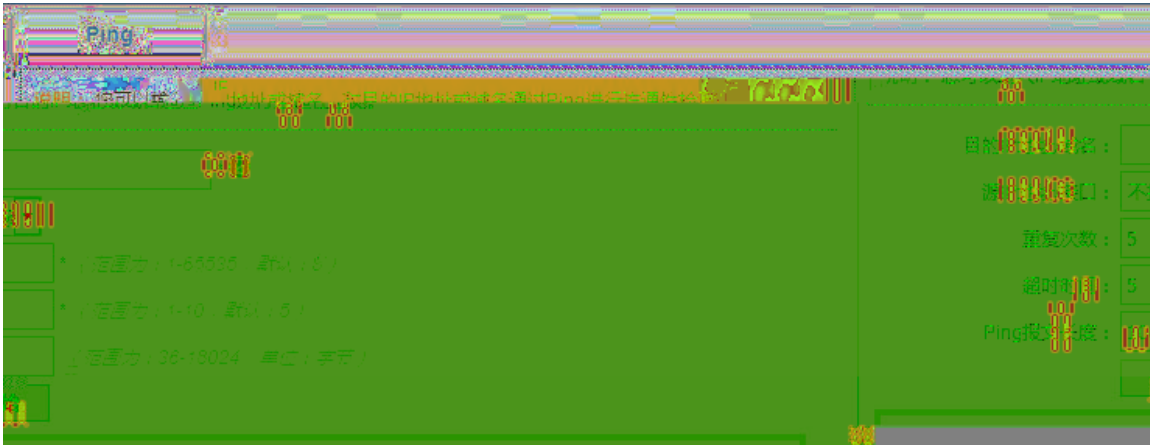
1-100

日志信息

刷新系统日志

导出系统日志

```
*Mar 23 16:21:17: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.246)
*Mar 23 15:38:35: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.246)
15:38:35: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.246) *Mar 23
15:38:35: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.246) *Mar 23
ed from console by web(192.168.45.246) *Mar 23 15:38:34: %SYS-5-CONFIG_I: Configured
```

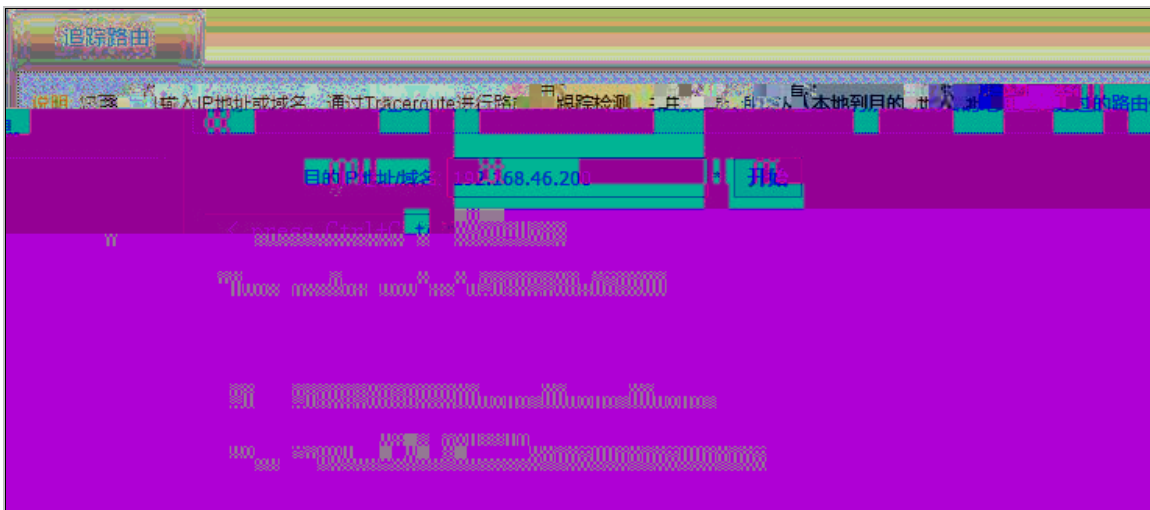


“ ” “ ”

1.3.12.2

traceroute

1-103



1.3.12.3

1-104

故障信息收集

说明：故障信息收集最多生成8个信息文件，达到上限后会重新覆盖。

文件名	文件大小(字节)	生成日期	生成时间	操作
tech_support_1.txt	352424	2016-03-23	15:18:36	导出

1.4

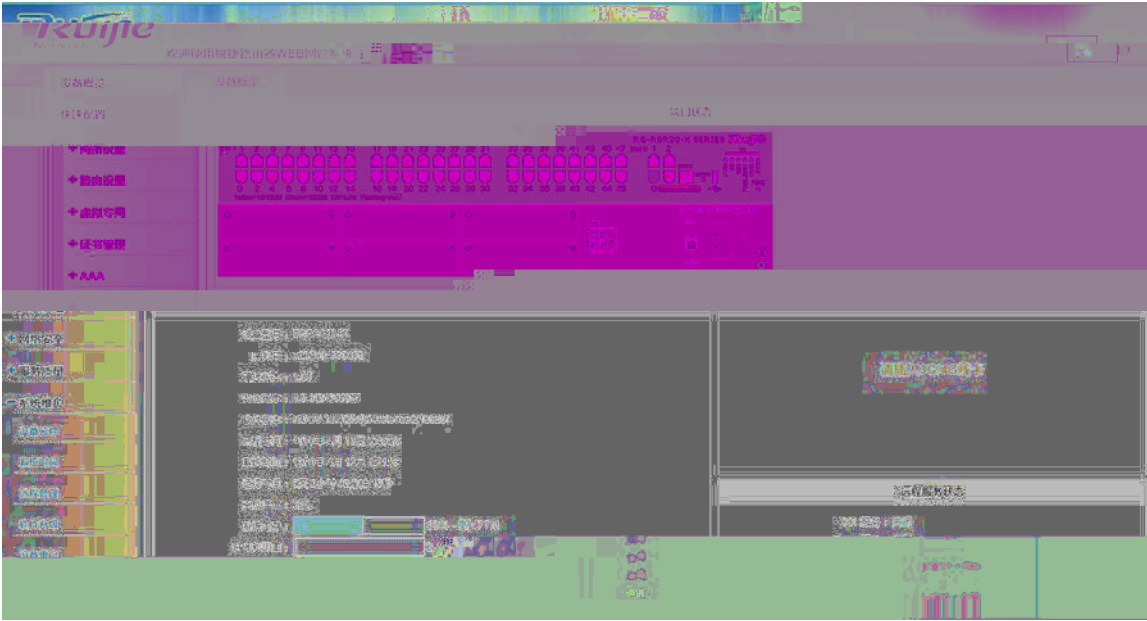
1.4.1

" " WEB " "

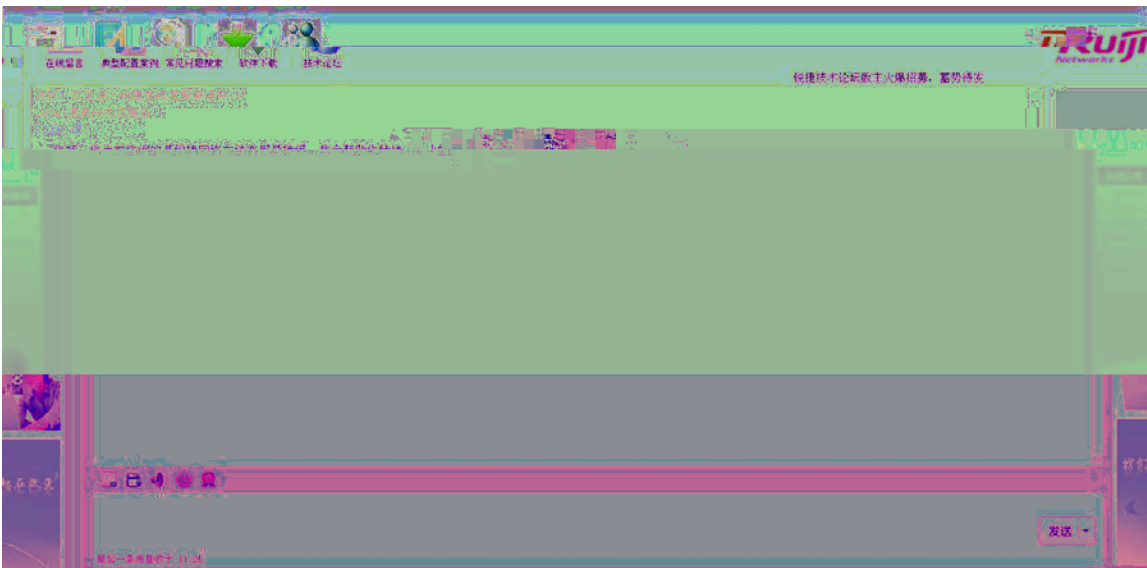
1-105 WEB



1-106



1-107



:

8:30-18:00:



1.5

1.5.1

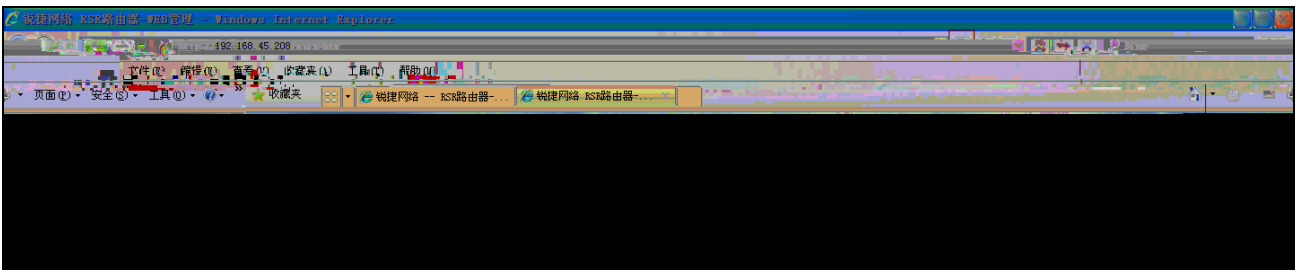
WEB

1.5.2

WEB

IE

1-109



IE9.0

IE10.0

WEB

CPU

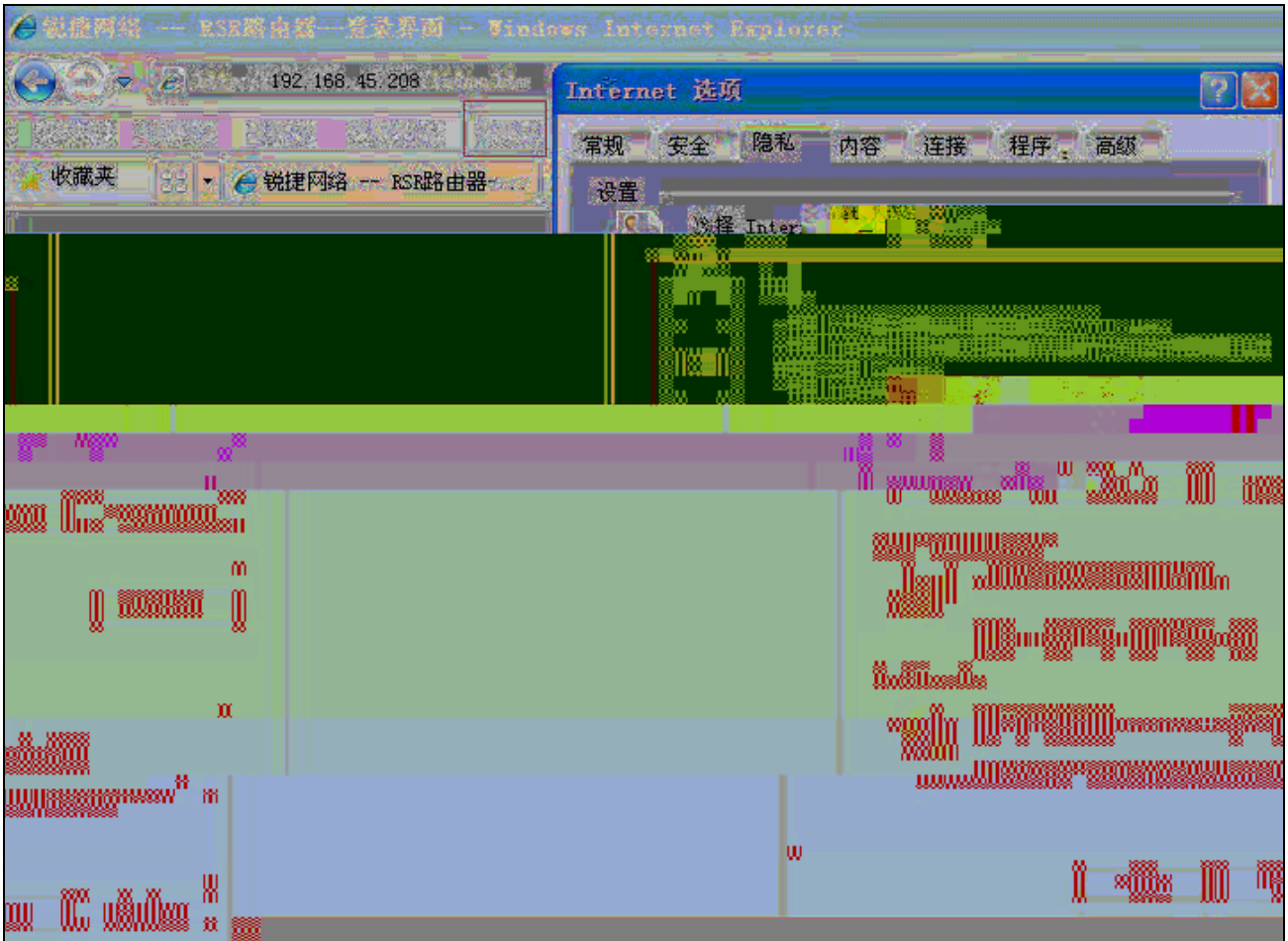
1.5.3 WEB

WEB

WEB

IE

1-110 IE



WEB

1.5.4 WEB


1 PC Ping

WEB

WEB

1-111 WEB

```
Ruijie(config)#show service
ssh-server : disabled
telnet-server : enabled
```

	" disabled"	WEB	" enable service web-server all"	WEB	
2	PC	Ping		PC	IP
3	" 404"	WEB	WEB		

1-112



1.5.5 WEB

WEB 10 WEB 10

 10
