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http://Webchat.ruijie.com.cn

Ь б http://www.ruijie.com.cn/service.aspx

7 × 24 Ь 4008-111-000

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

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

б Л 4008111000@ruijie.com.cn

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IP

” ” ” ” ” Internet TCP/IP ”

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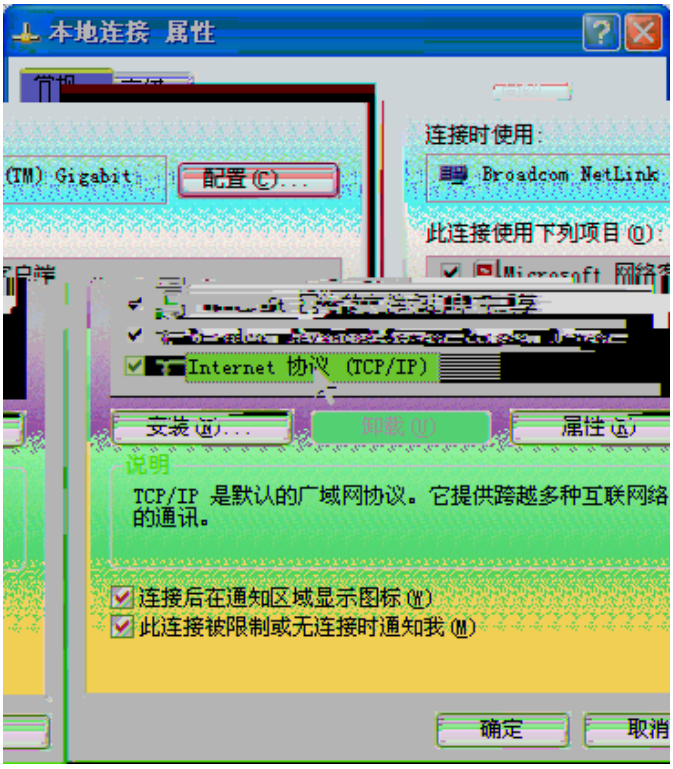
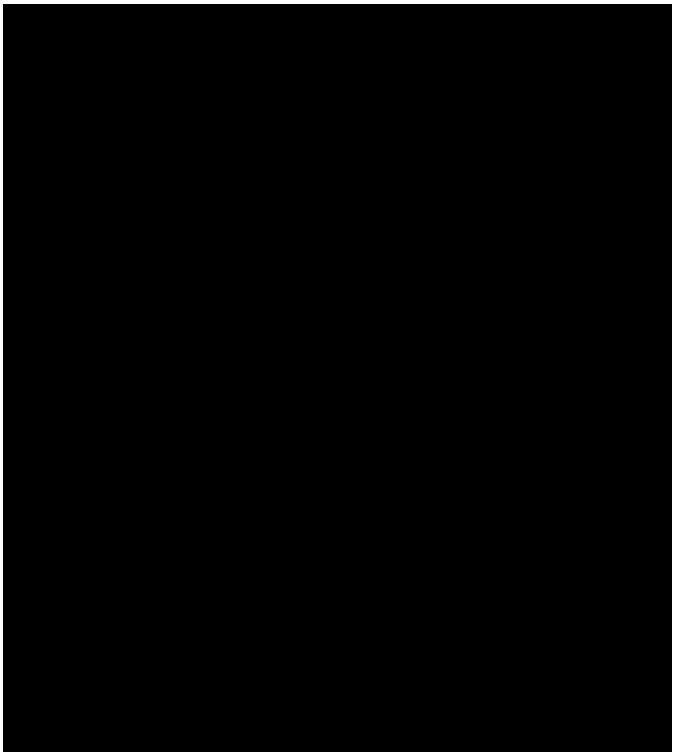


“ ” PC IP

“ 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
```

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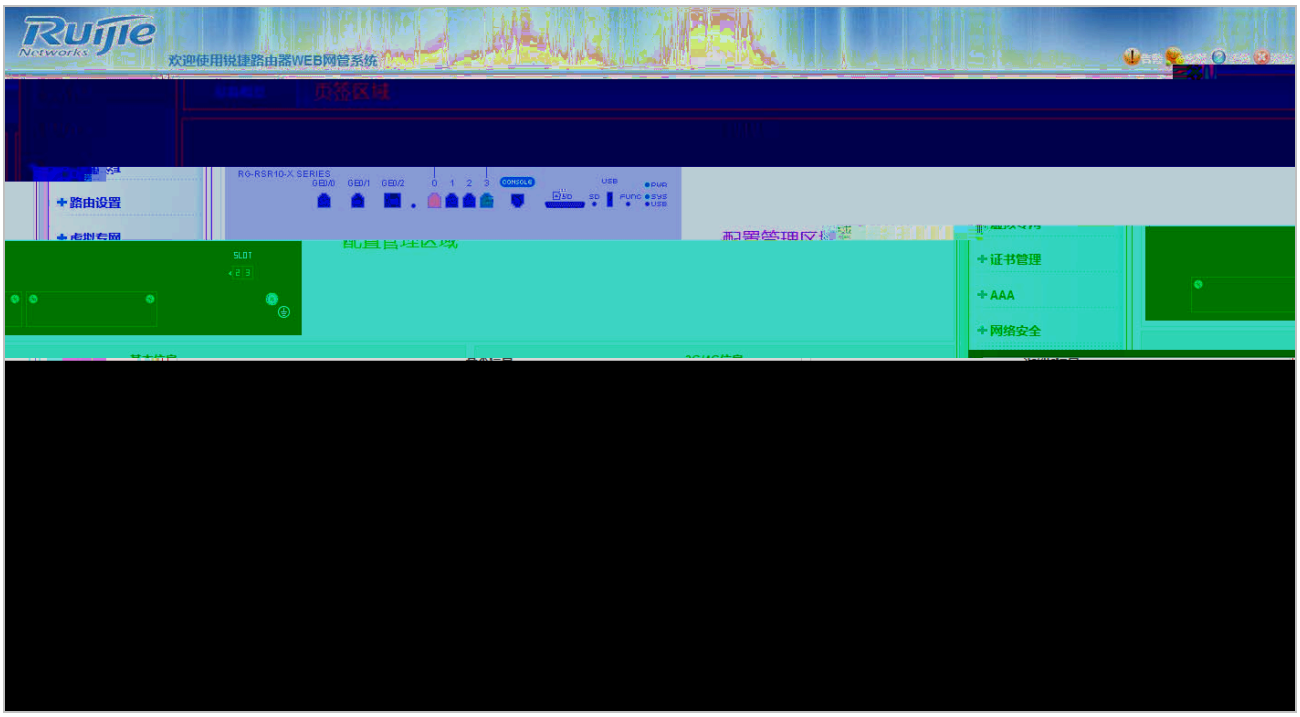
RSR Web 1-8

1-8 Web



1-8Web

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Web

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IP /Mask PPPoE(ADSL)

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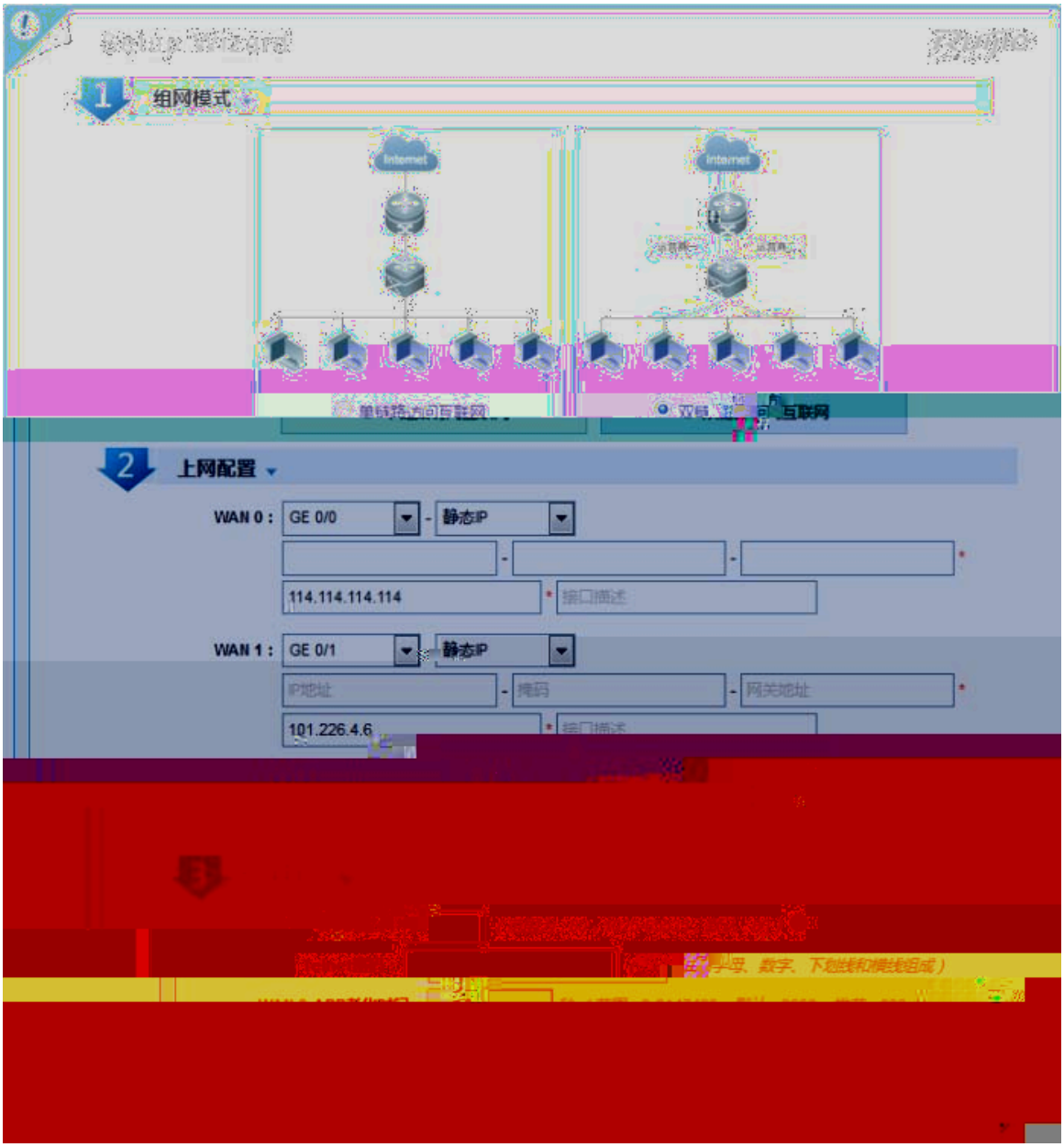

IP /

DNS 1-2 DNS DNS

DHCP IP PC IP
IP

IP / IP

IP IP

LAN IP

Web 80 Web URL http://192.168.1.1:8088/index.htm
URL “ 8088 ” Web Web

Telnet Telnet Telnet

ARP ARP ARP ARP
600 10 3600 1

ARP ARP ARP
ARP 1

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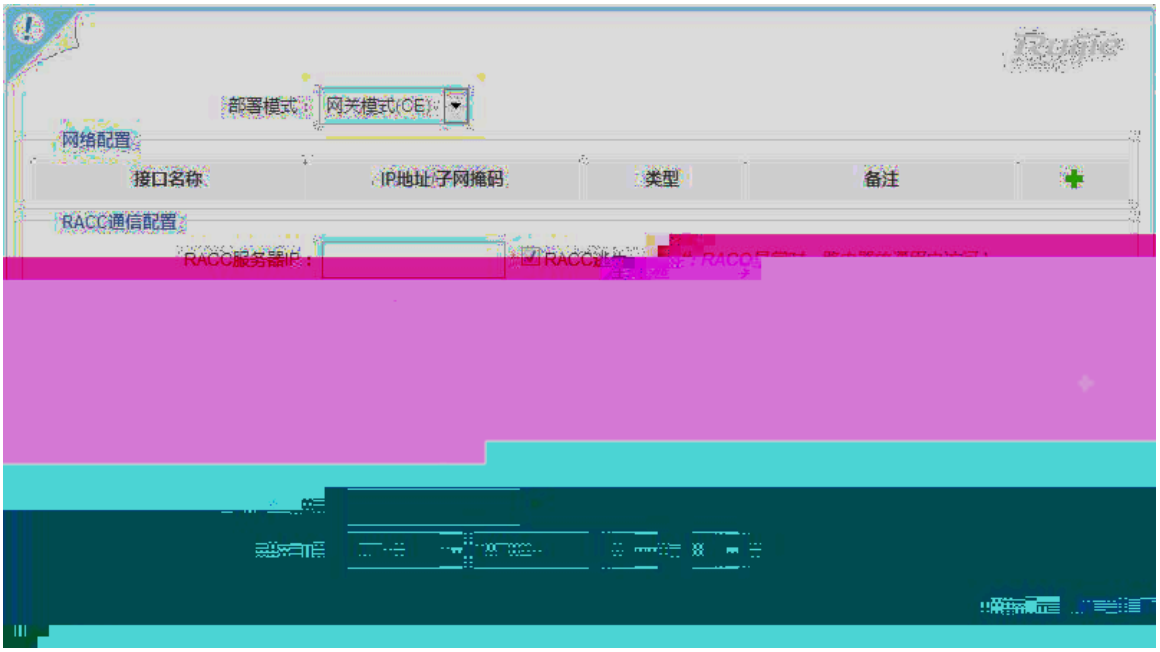

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MCE Multi-VPN-Instance CE CE CE

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PC PC :

PC

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Bridge MCE PE MCE PE IP
Bridge

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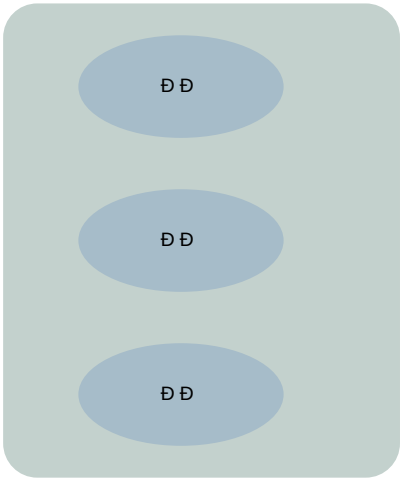

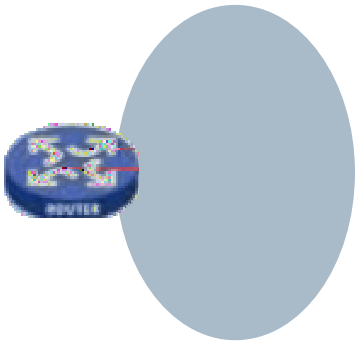

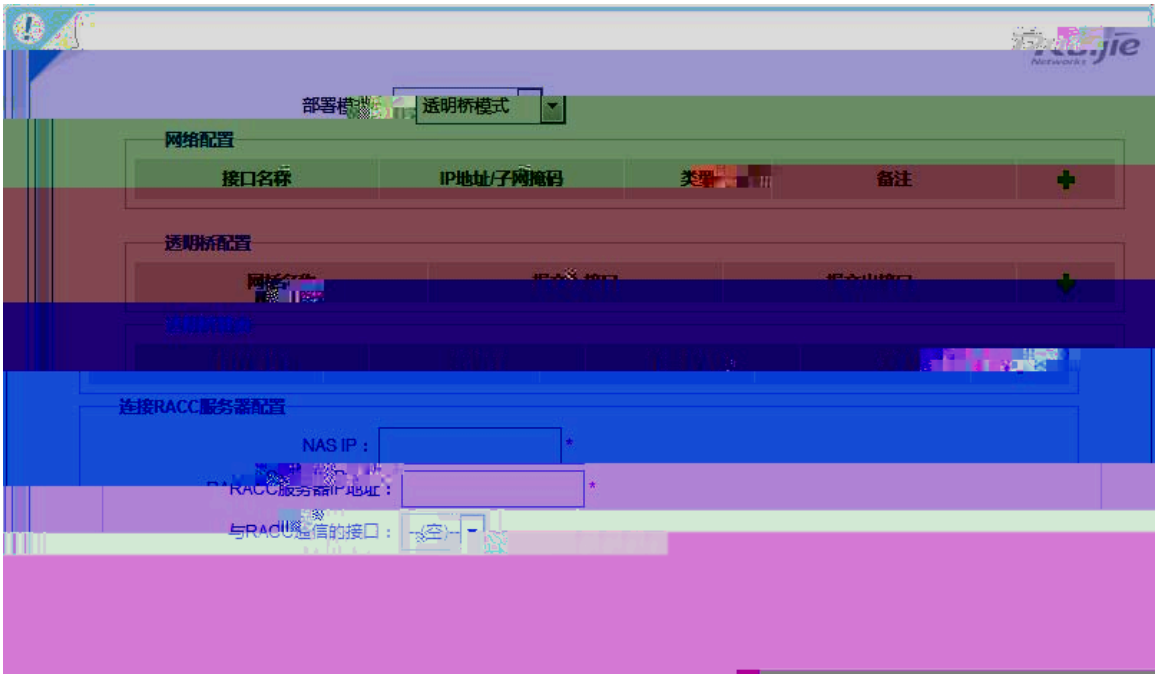

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PC PC :

PC

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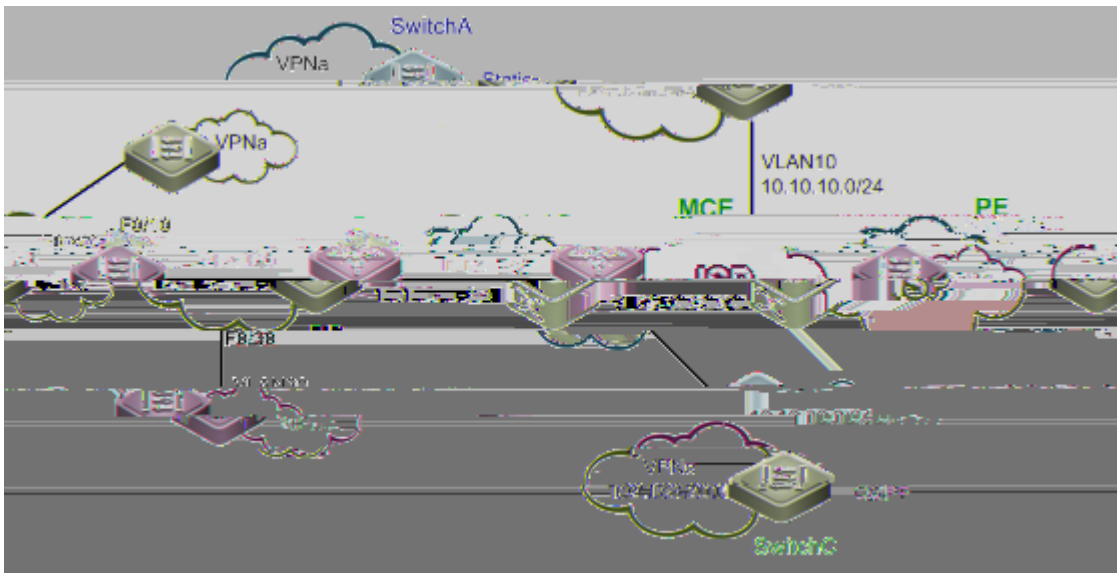
ADSL DHCP IP IP 3G CE1
IP VLAN VLAN

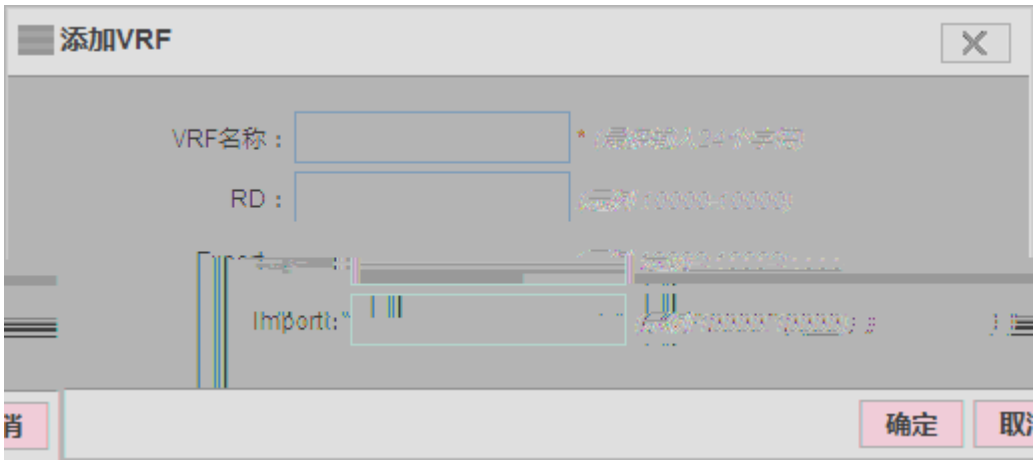
Virtual Private Networks (VPNs) ISP VPN
VPN VPN

VPN routing/forwarding (VRF) table

1-18 VRF



1-20 VRF



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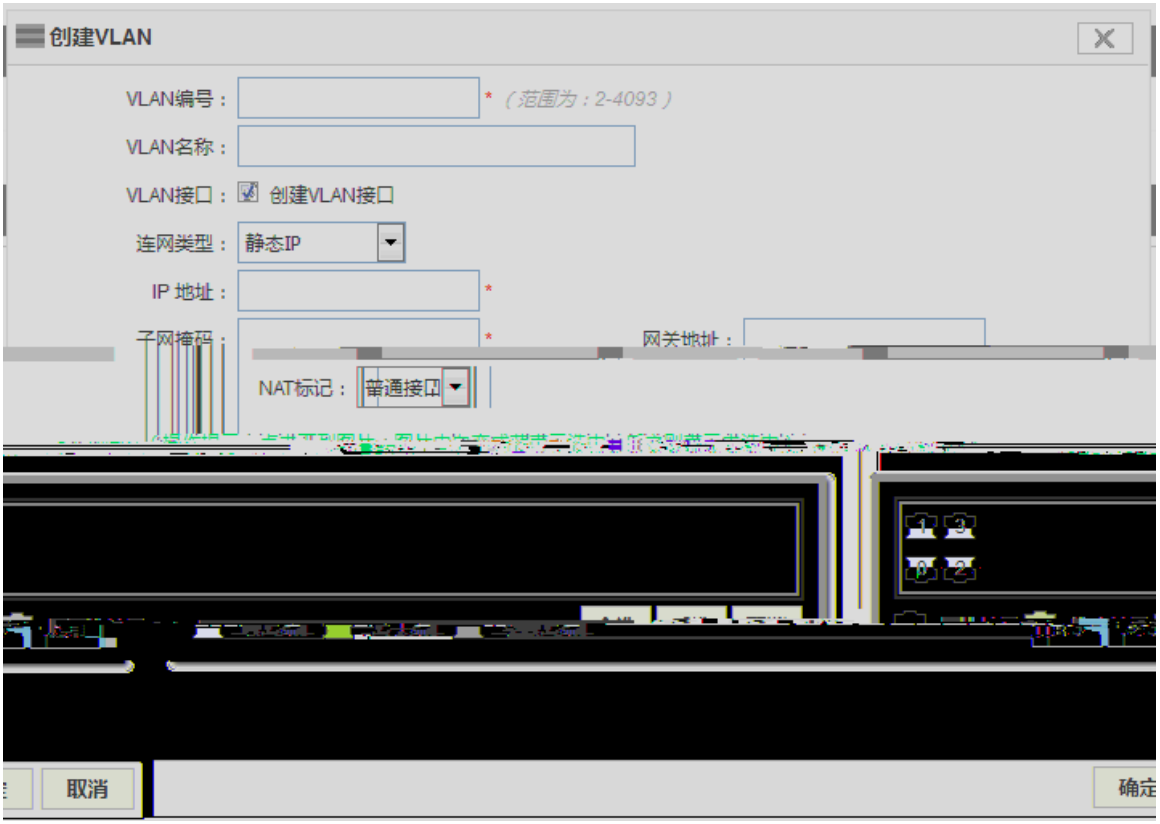

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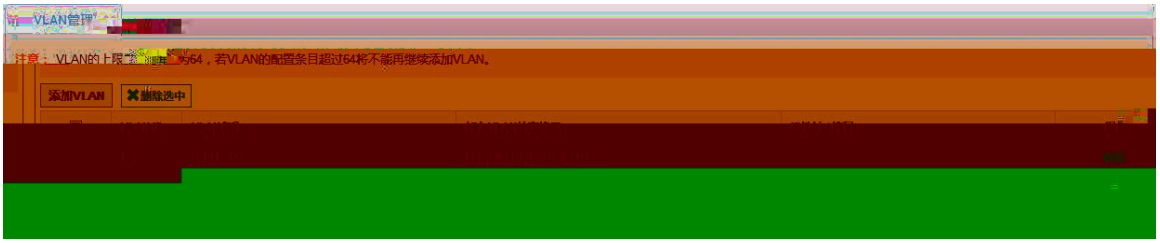

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VLAN

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VLAN ID Trunk PC

Access

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NAT “ Network Address Translation ” “ ” IP
Internet IP IP
NAT

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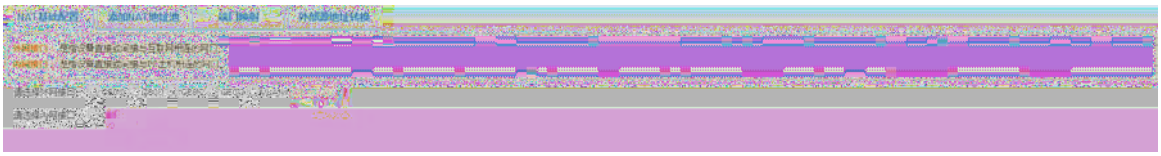

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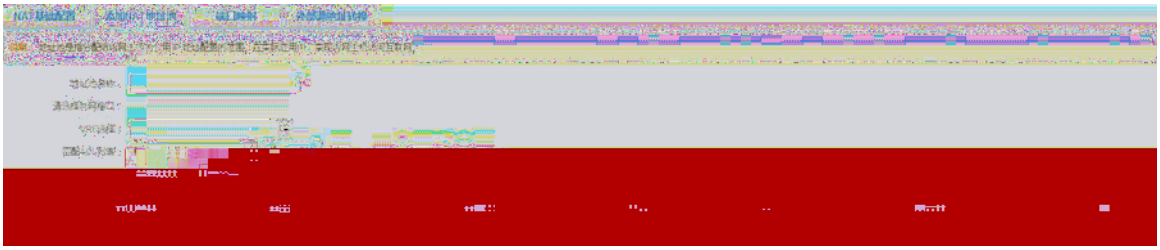

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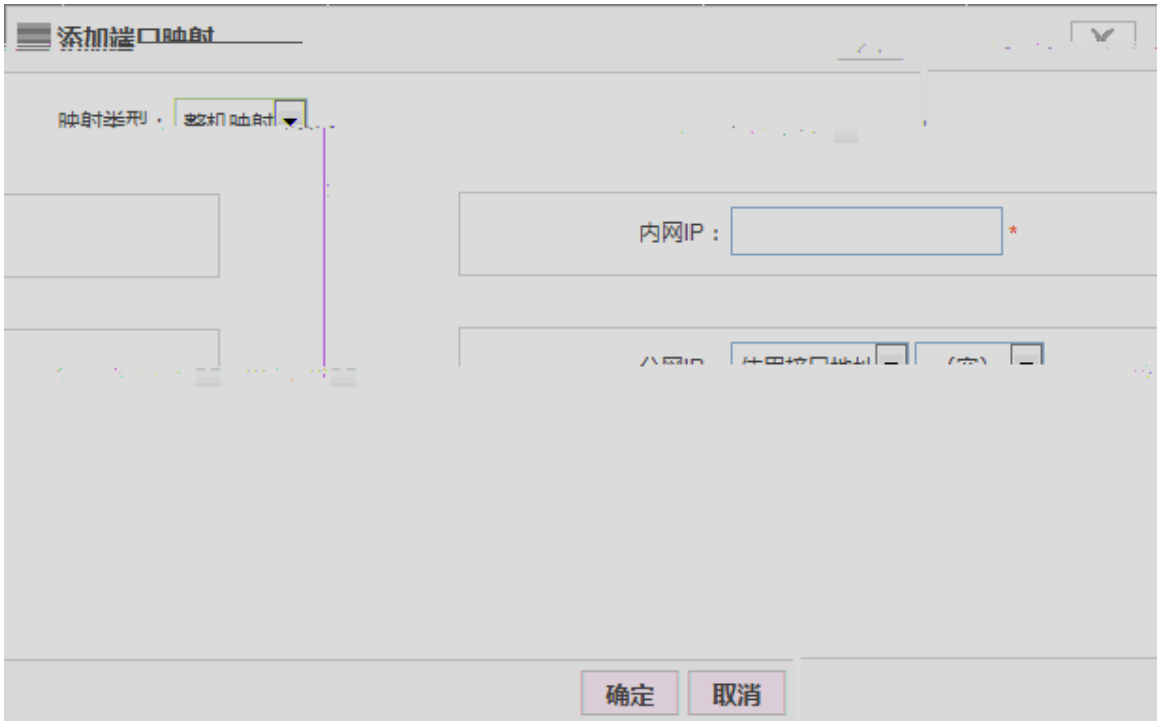
NAT基础配置
添加NAT地址池
端口映射
外部源地址转换
端口映射:是将"内网IP"或"内网IP+端口"映射成另一个"公网IP"或"公网IP+端口"的功能。在实际应用中，一般用于出差办公的场景。



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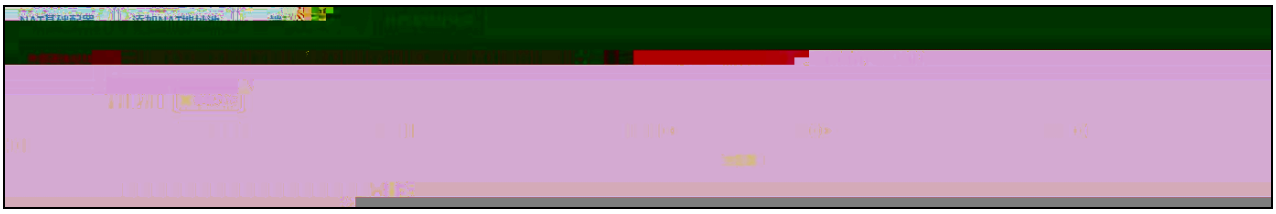

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DNS IP DNS

DNS Ping DNS

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DNS LAN

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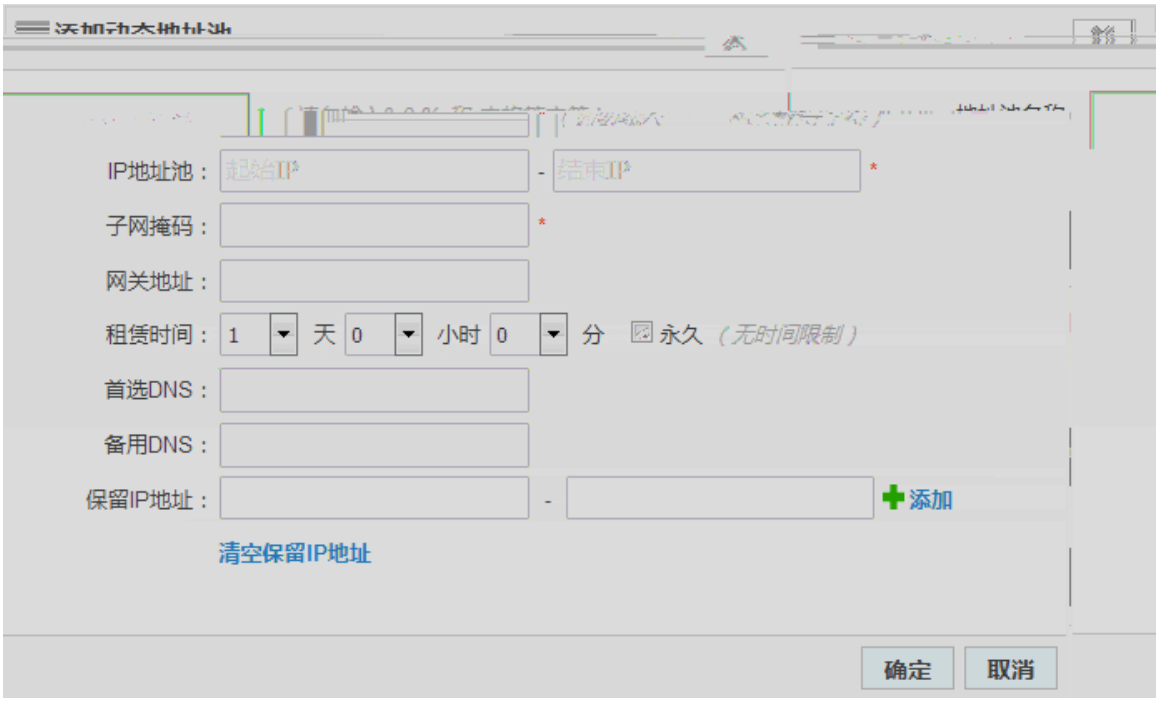

IP IP IP

DHCP

DNS DNS

DNS DNS

IP DHCP ip

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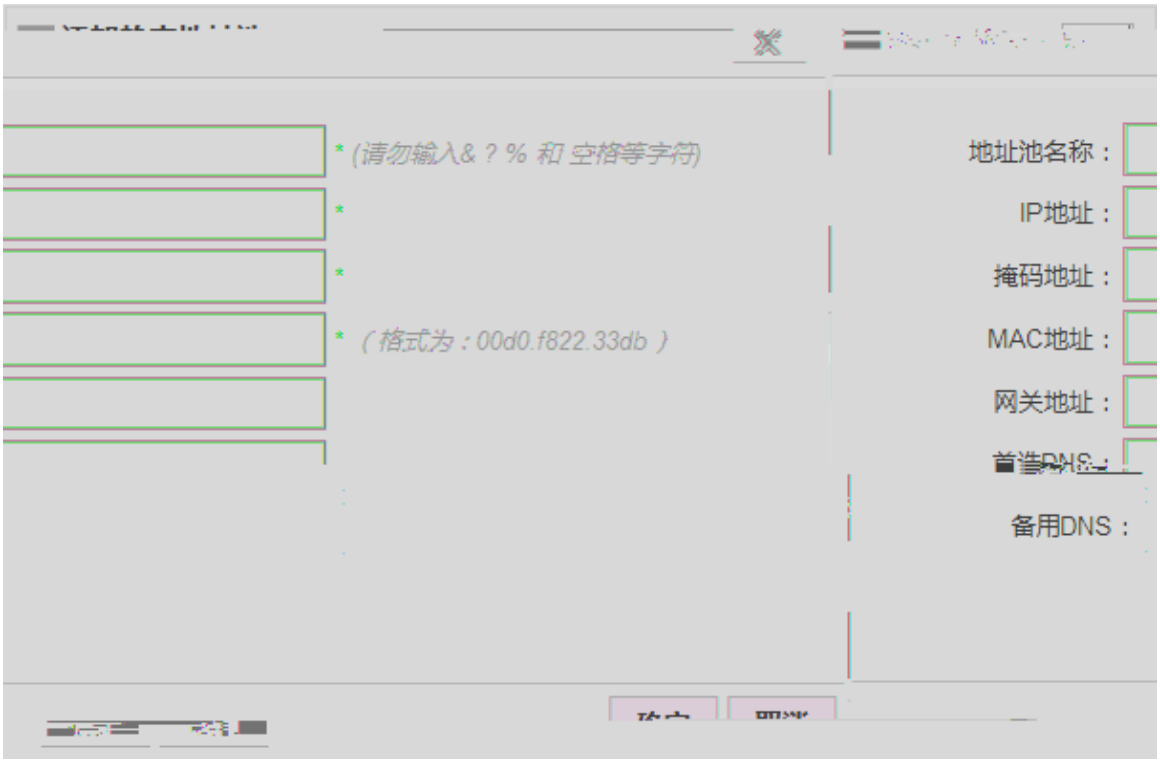

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MAC MAC

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VRRP

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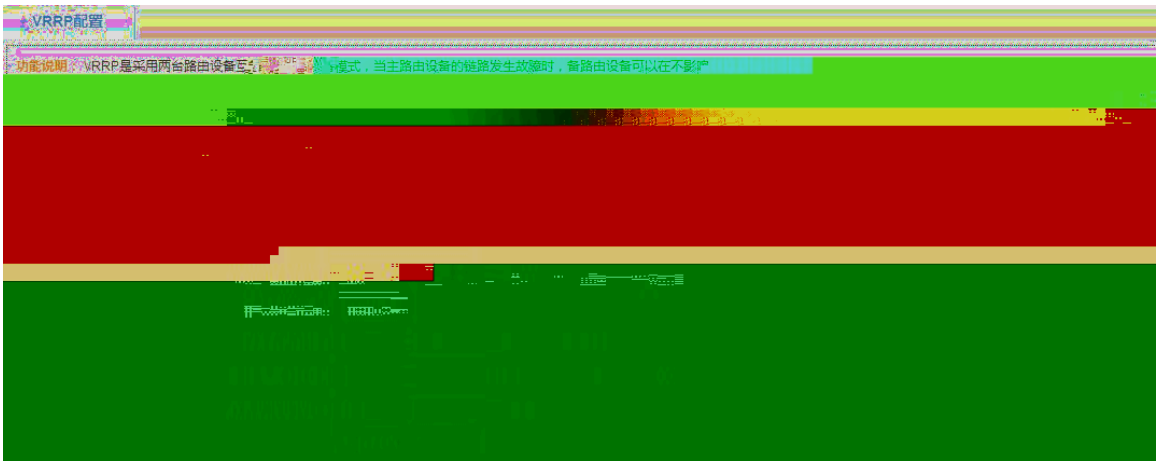

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SNMP Simple Network Management Protocol SNMP

SNMP

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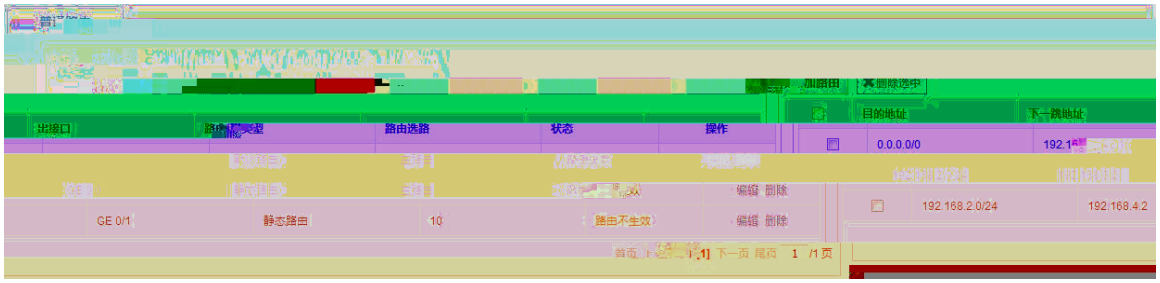

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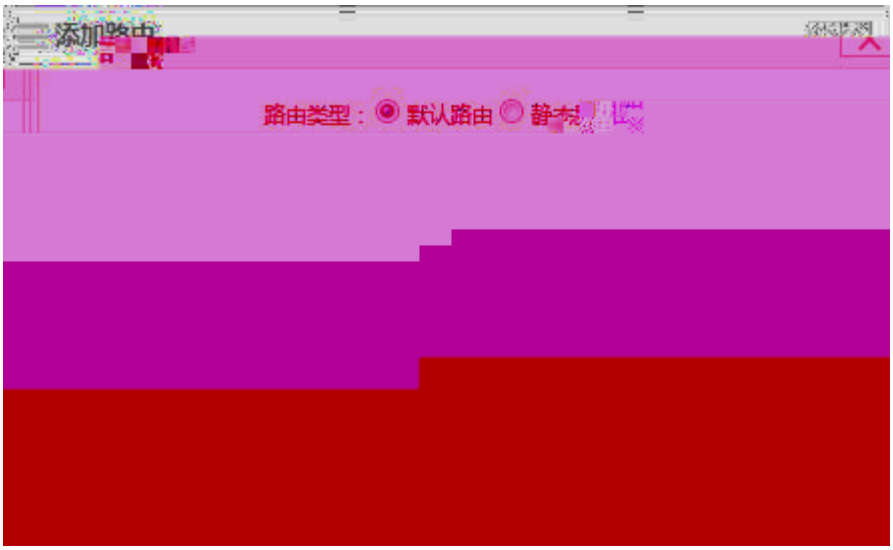

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PBR Policy-Based Routing

IP

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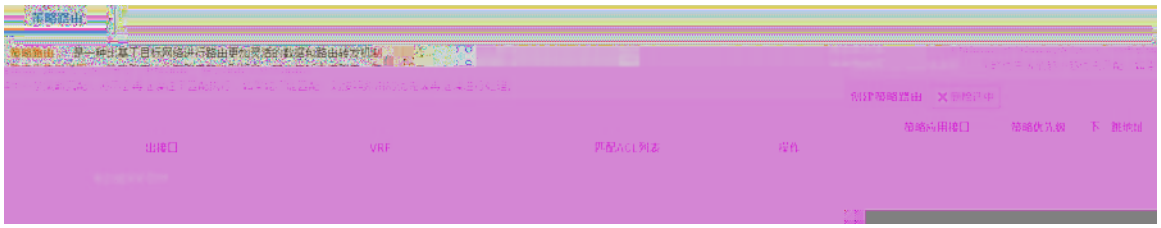

ACL ACL

IP

4G Serial IP IP

IP ,

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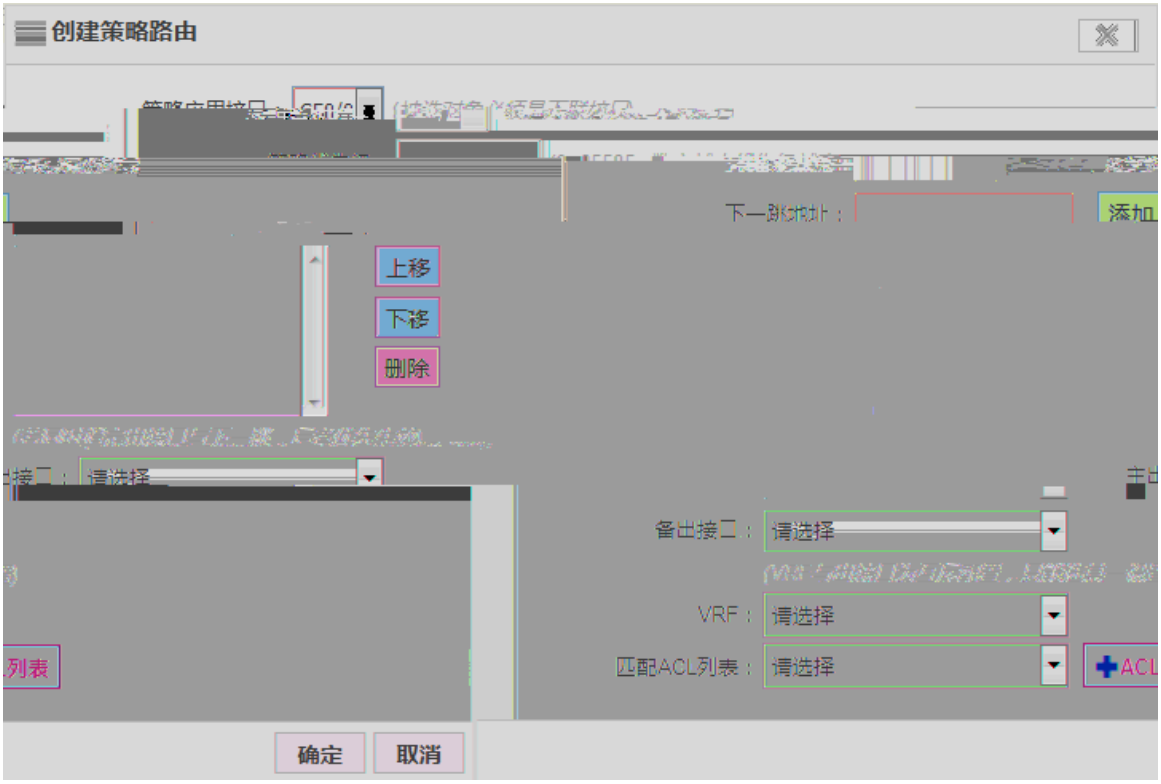

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OSPF Open Shortest Path First (Interior Gateway Protocol,IGP),
Autonomous System
,
(RIP) OSPF

OSPF OSPF Web
OSPF IP
OSPF

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Network VRF IP VRF VRF

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OSPF OSPF

OSPF OSPF

OSPF

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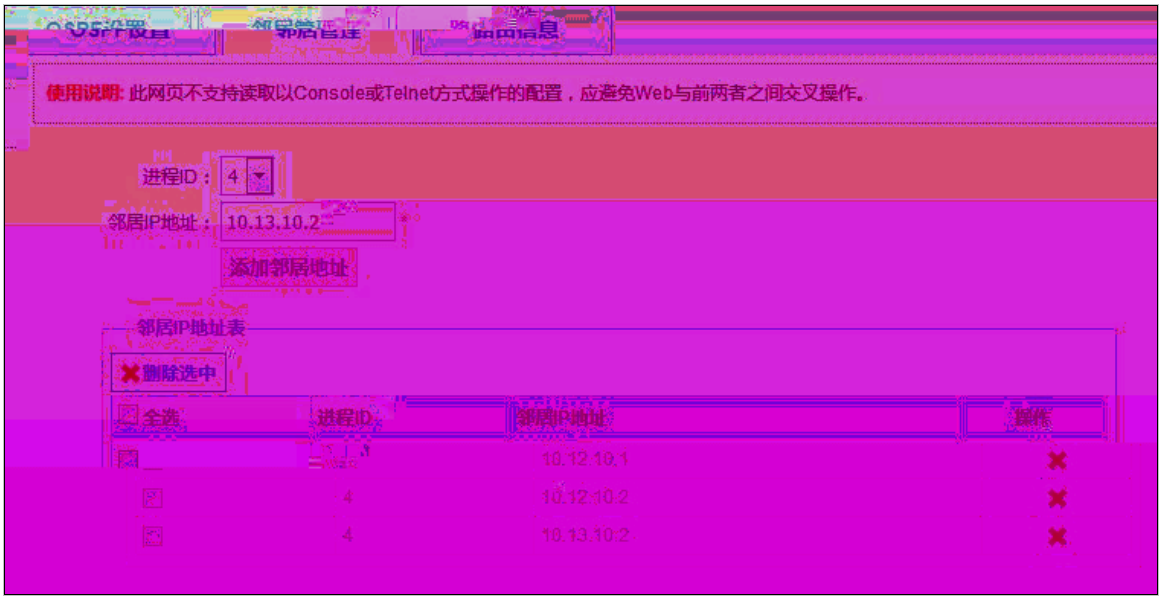

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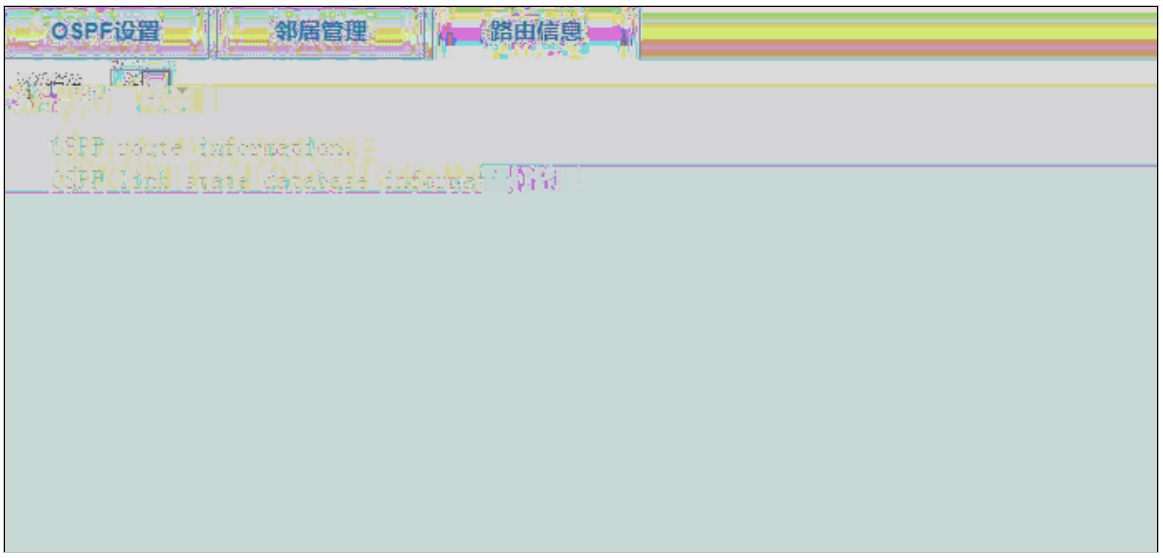

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RIP(Routing information Protocol) (Interior Gateway Protocol, IGP)

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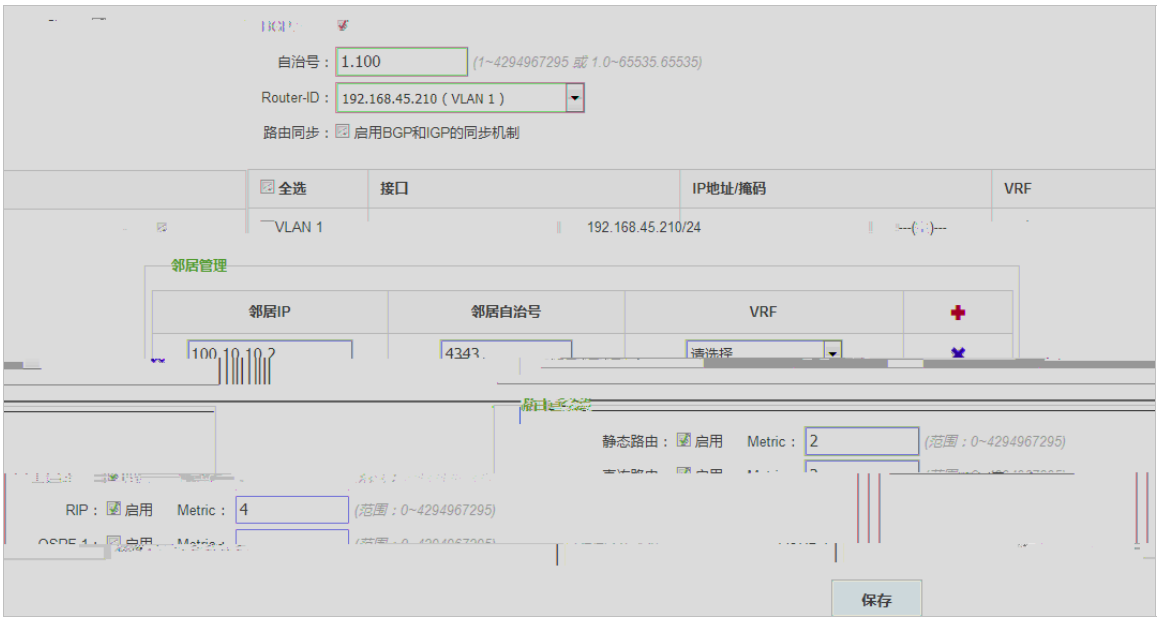
BGP Border Gateway Protocol (Exterior Gateway Protocol EGP) (Autonomous Systems AS)

BGP Router BGP Speaker BGP (BGP Session) BGP Speakers (BGP Peers)

BGP Speaker IBGP(Internal BGP) EBGP(External BGP) IBGP AS BGP EBGP AS BGP EBGP AS IBGP AS

BGP BGP Web BGP IP

1-48



BGP

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: BGP OSPF BGP

OSPF BGP OSPF

OSPF Connected Static RIP

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RIP OSPF BGP

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VPDN

VPDN

VPDN

IP

VPDN

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VPDN VPDN VPDN VPN
PPTP L2TP

VPDN IP

PPTP L2TP

VPDN VPDN

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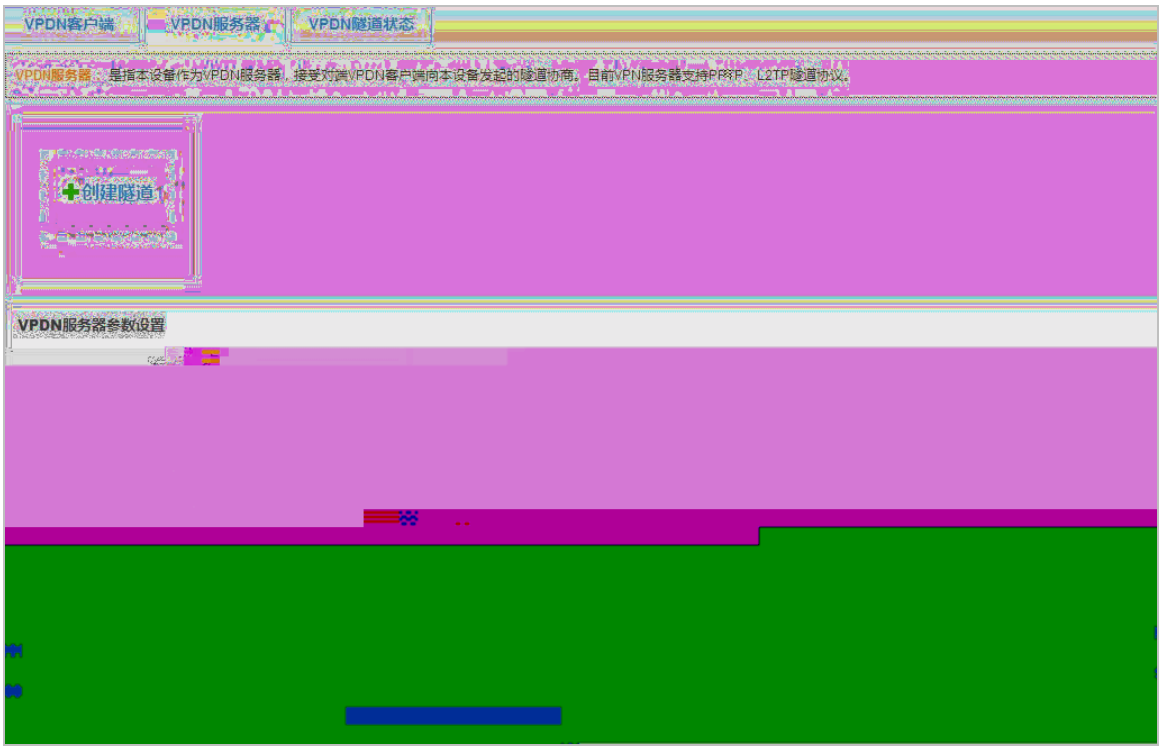

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VPDN VPDN

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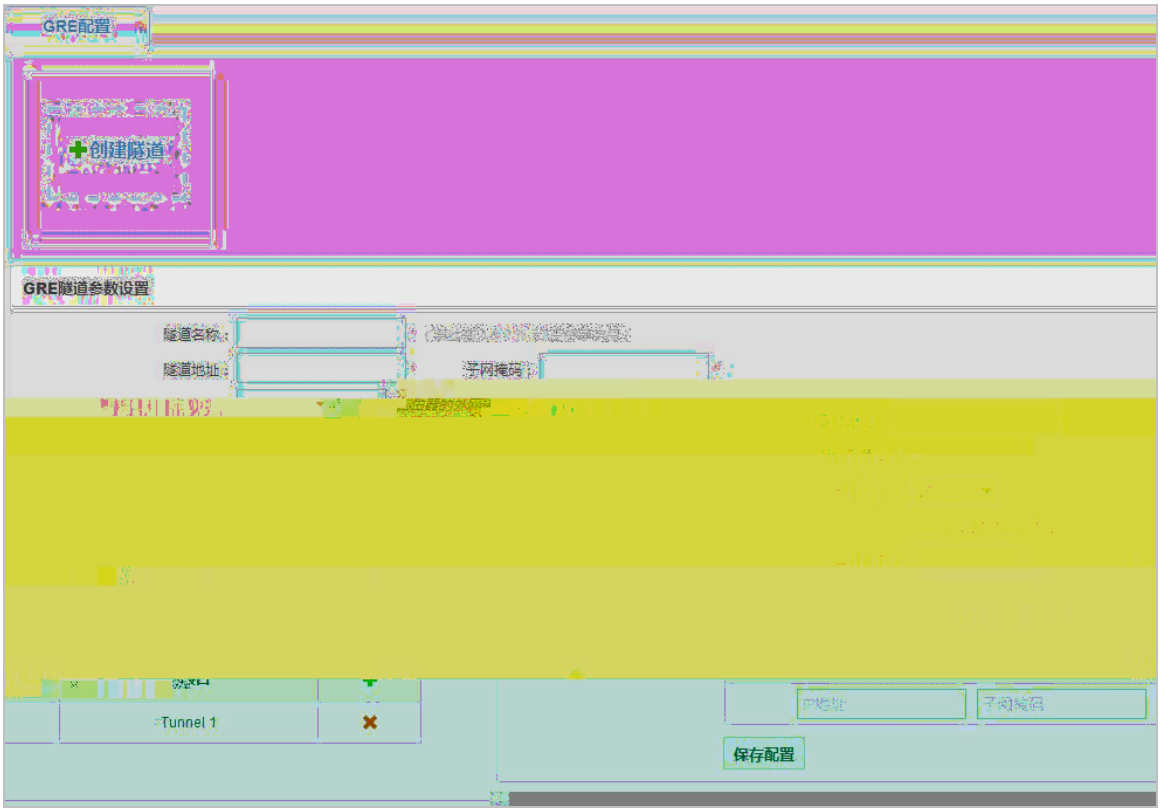

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VPN Internet Internet

IPSec

IPSec

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IPSec IPSec MIB

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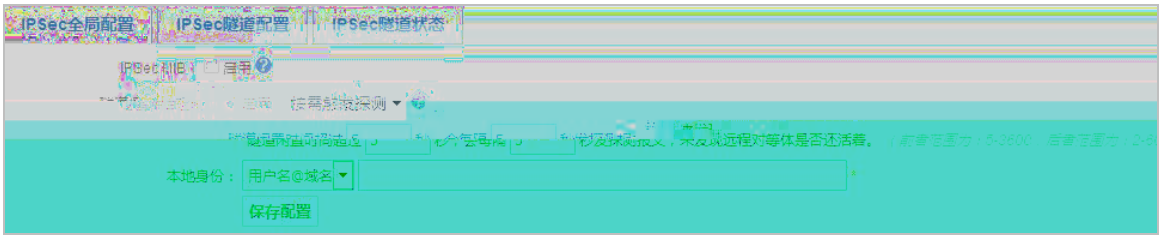

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IPSec

IP IPSec IP 6 IP

IPSec

VPN

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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

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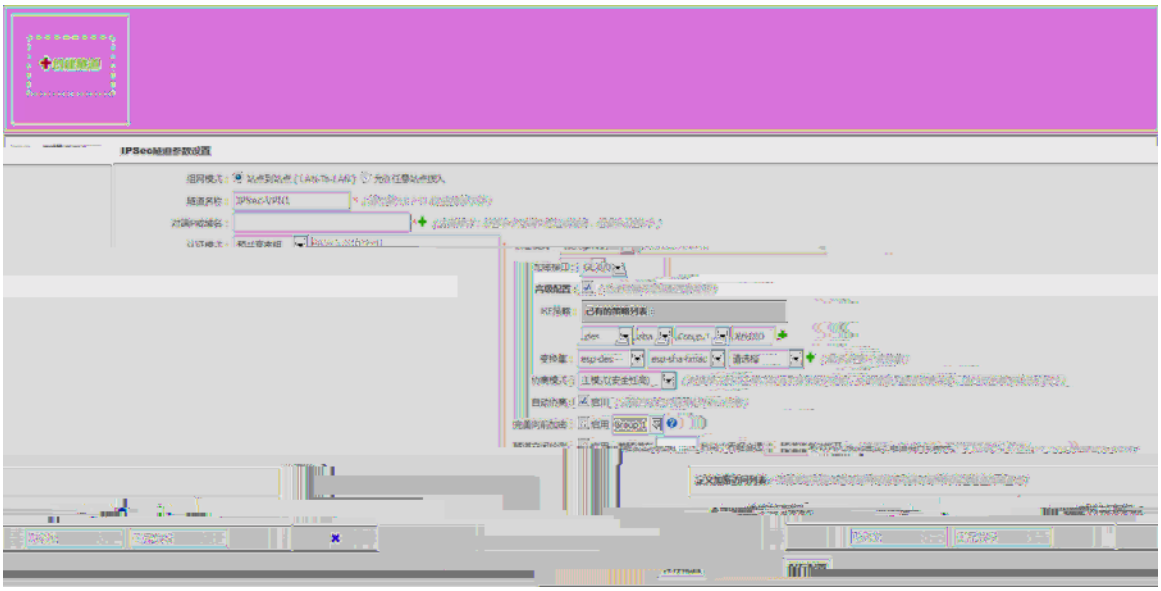

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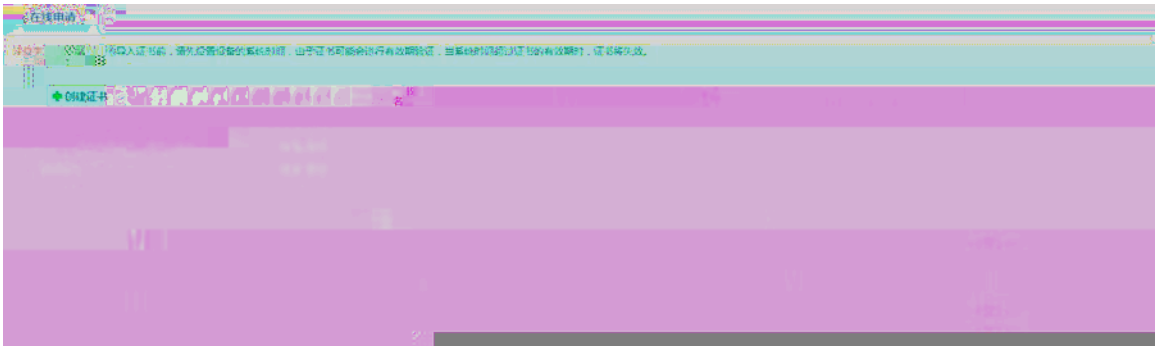

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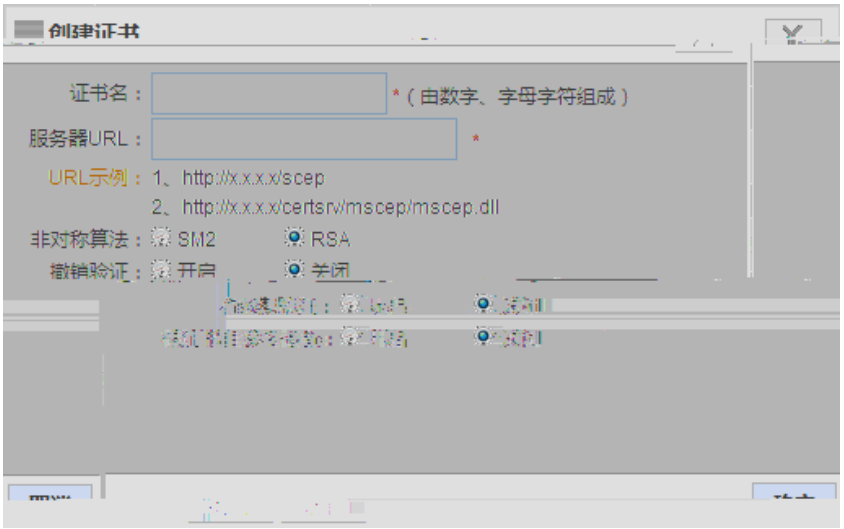

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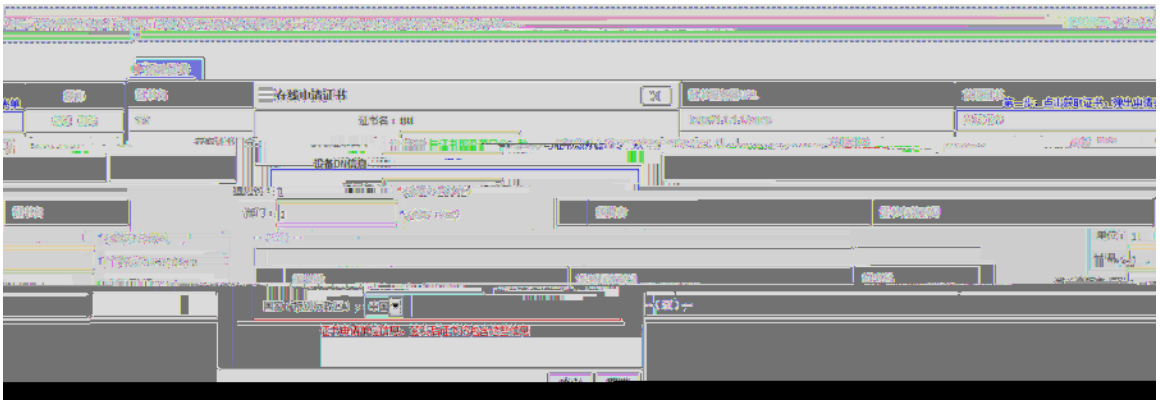

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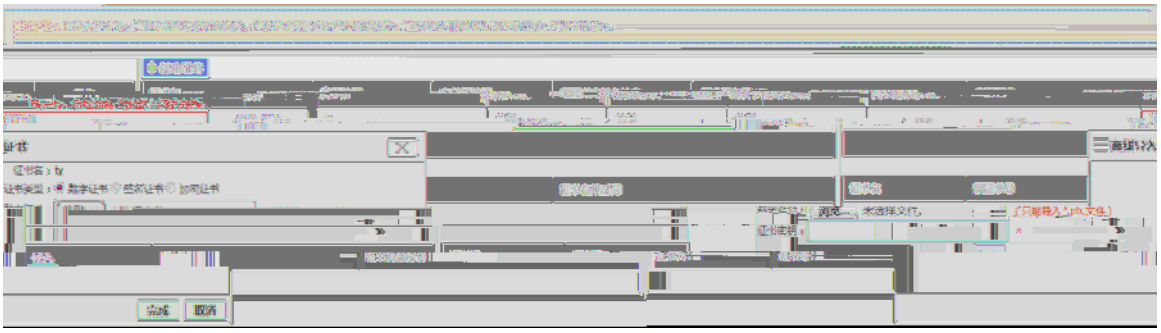


1-61

离线导入证书
证书名：ty
证书类型：数字证书 签名证书 加密证书
设备DN信息
通用名：
*（例如：20_14E）
部门：
*（例如：Tac）
单位：
*（例如：Ruijie）
城/县：
*（例如：Chengdu）
省（直辖市）：
*（例如：Sichuan）
国家（特别行政区）：
中国
证书请求：
导出
证书ID：
1234567812345678
根证书：
浏览...
未选择文件。
*
浏览...
完成
取消

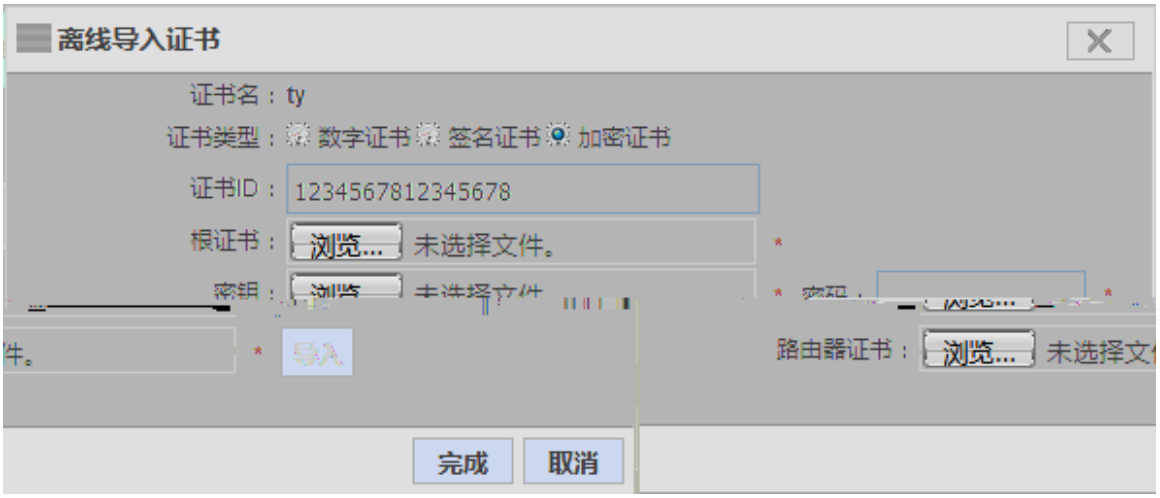
1. DN “ ” “ ”

2. PC

“ ”

1-62

“ ” “ ” “ ” 3



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AAA Authentication Authorization and Accounting

AAA

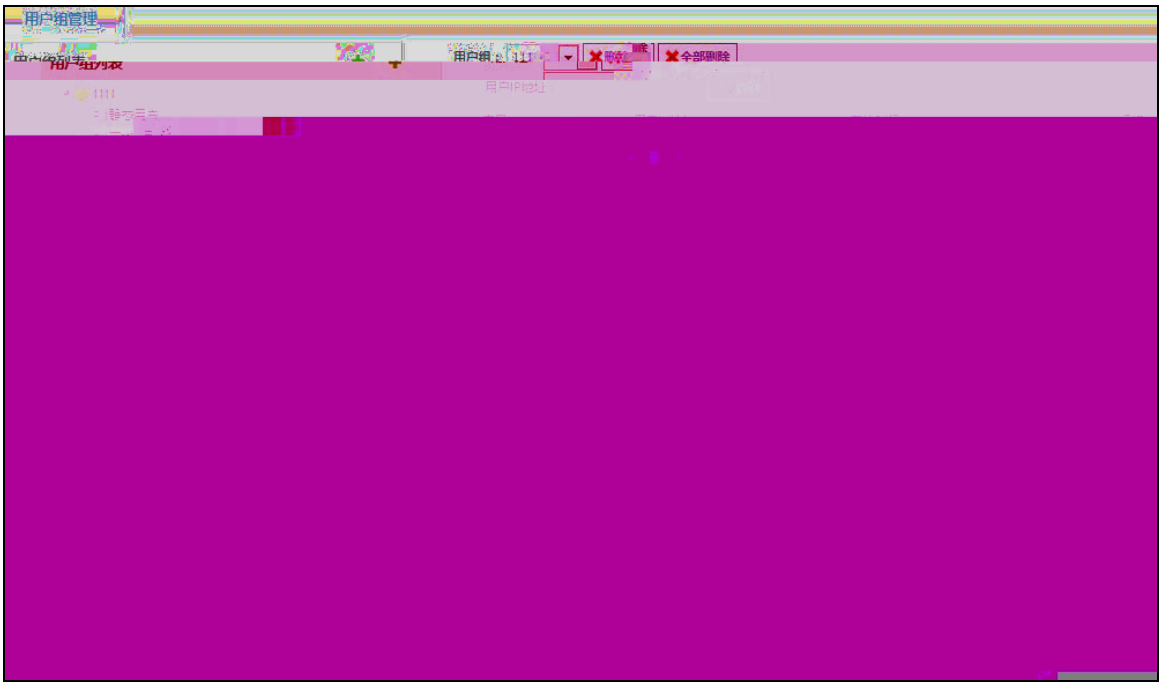
\ i RADIUS TACACS+ Local

* ´ AAA

b ' AAA

Web AAA RADIUS

1-63



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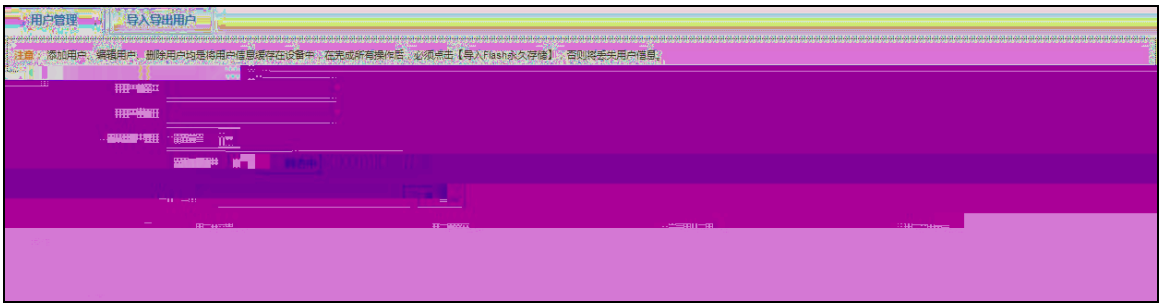
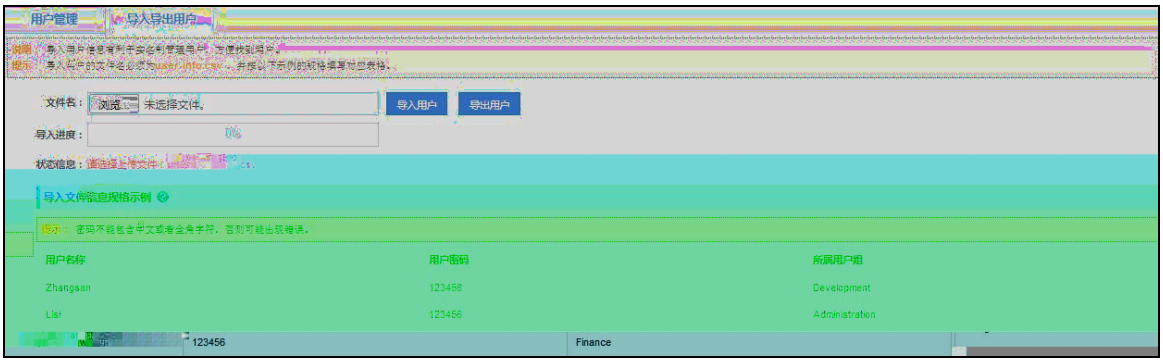
1-65



Flash

1-66



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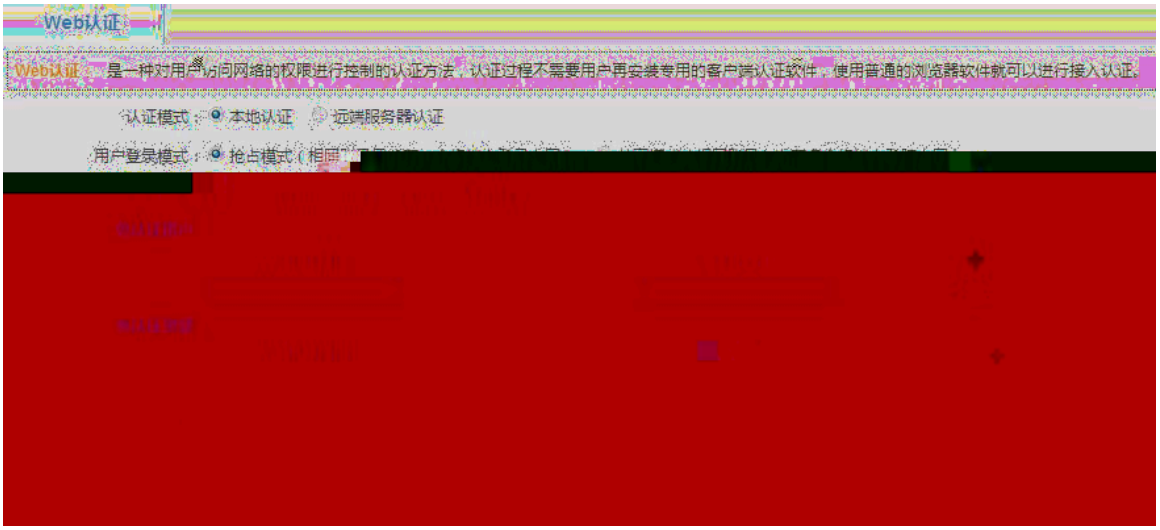

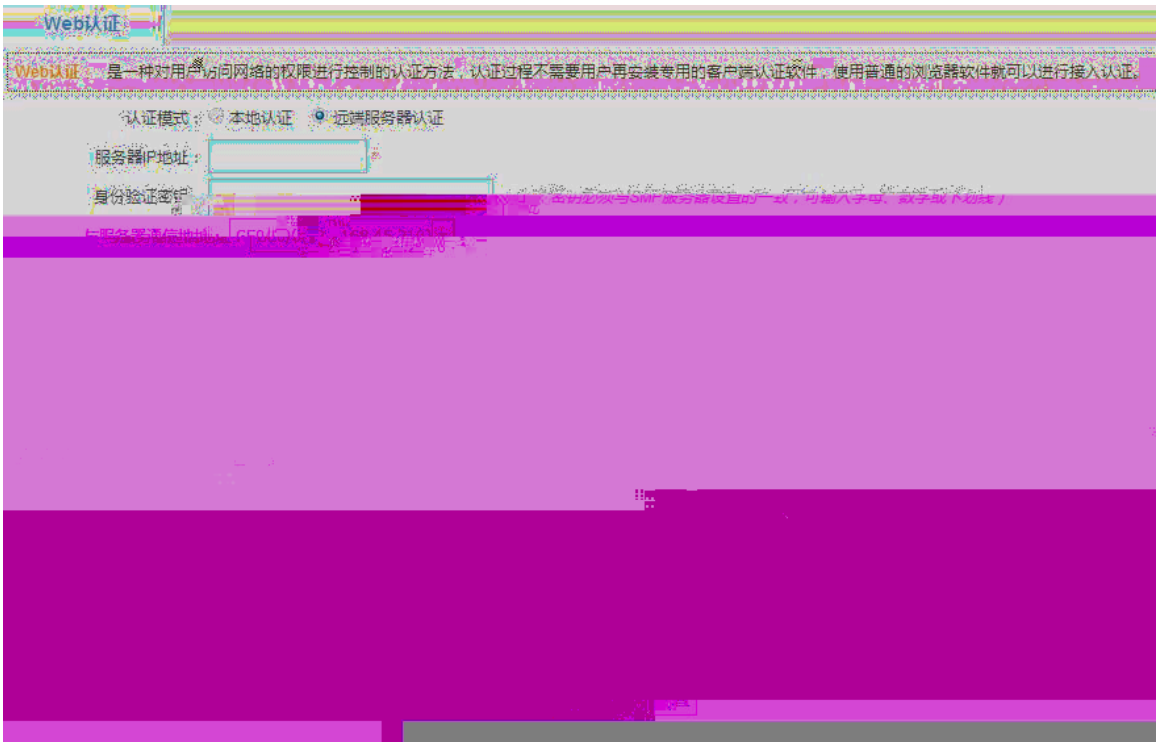

IP IP

SMP

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SNMP SNMP IP

IP+MAC MAC

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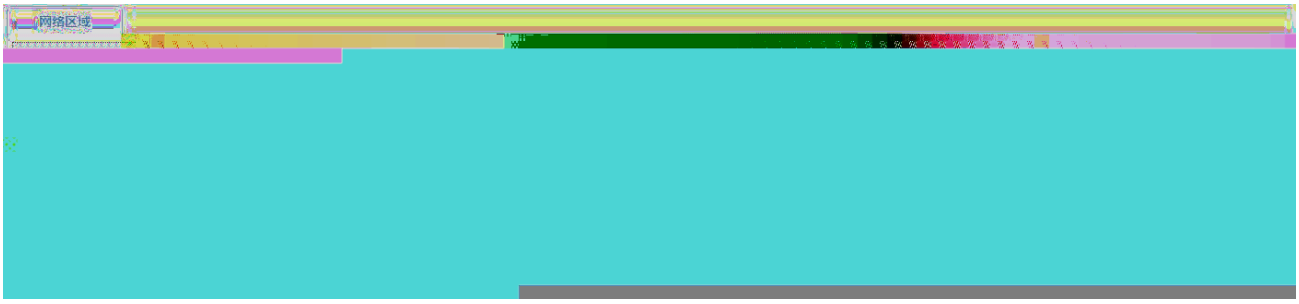
IP

1-69



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ARP ARP

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10 ARP

DoS DoS DoS/DDoS IP

SYN Flood

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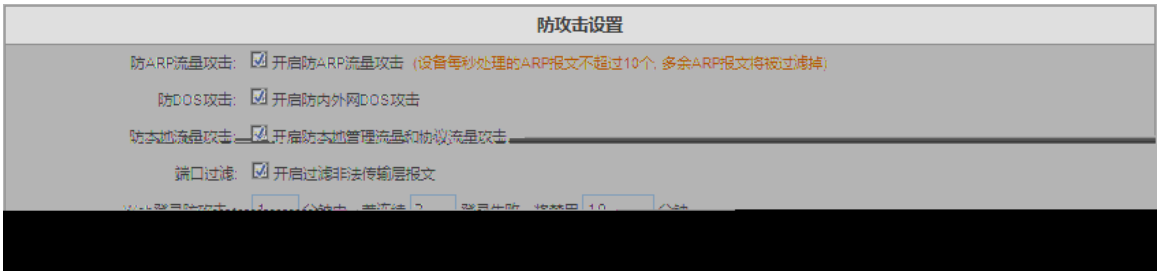
1-72



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

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IP MAC IP

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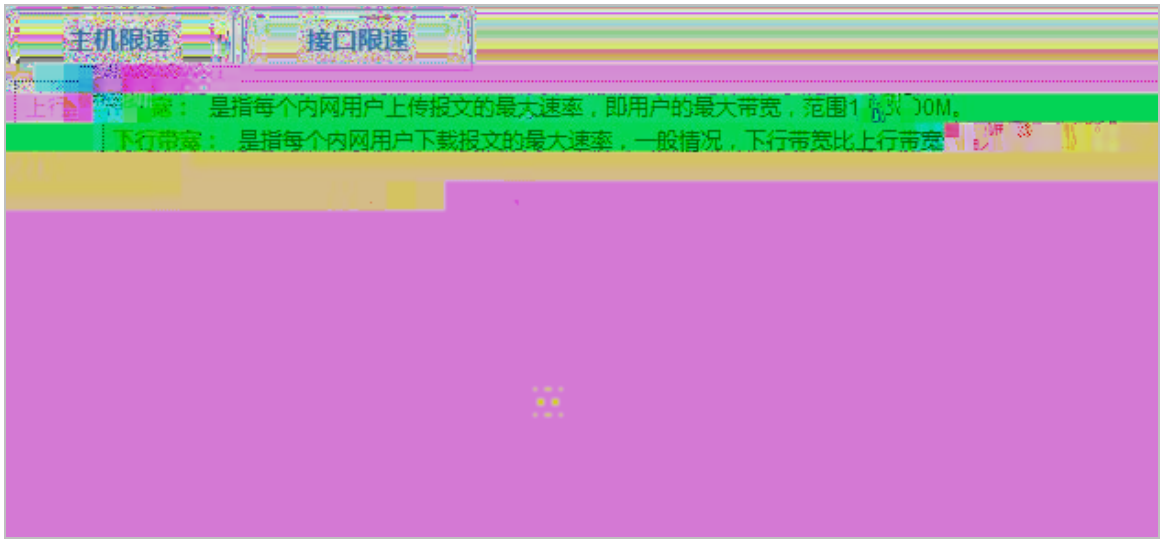
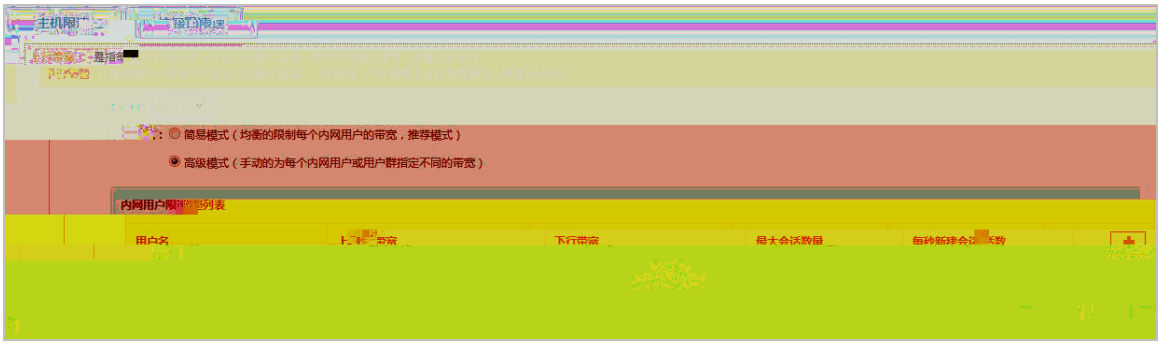

主机限速
接口限速
是指每个内网用户上传报文的最大速率，即用户的最大带宽，范围1
M。
下行带宽：是指每个内网用户下载报文的最大速率，一般情况，下行带宽比上行带宽

1-79


主机限速
接口限速
简易模式（均衡的限制每个内网用户的带宽，推荐模式）
高级模式（手动的为每个内网用户或用户群指定不同的带宽）
内网用户限速列表
用户名
上行带宽
下行带宽
最大会话数量
每秒新建会话数

Web

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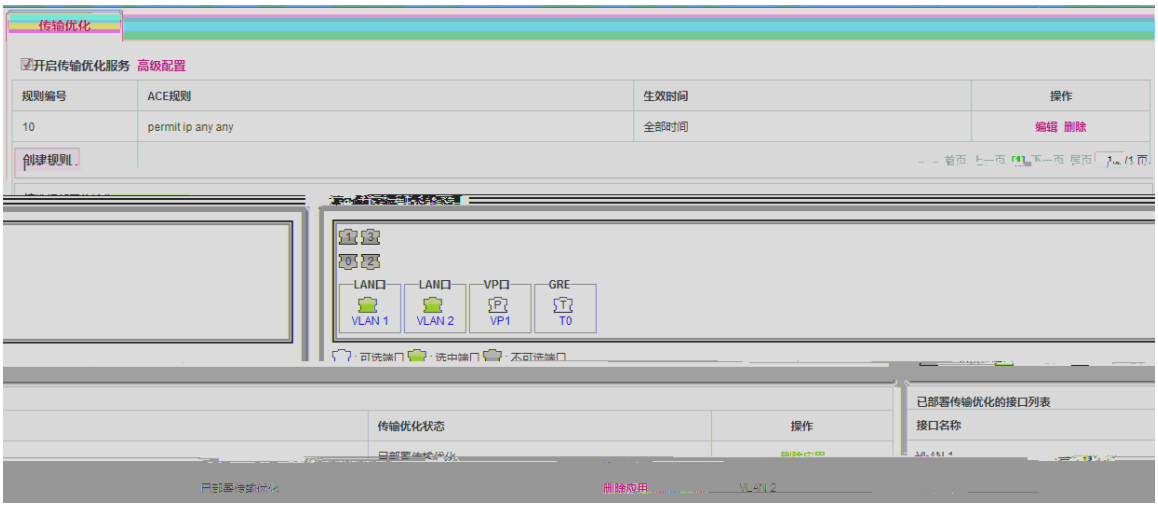
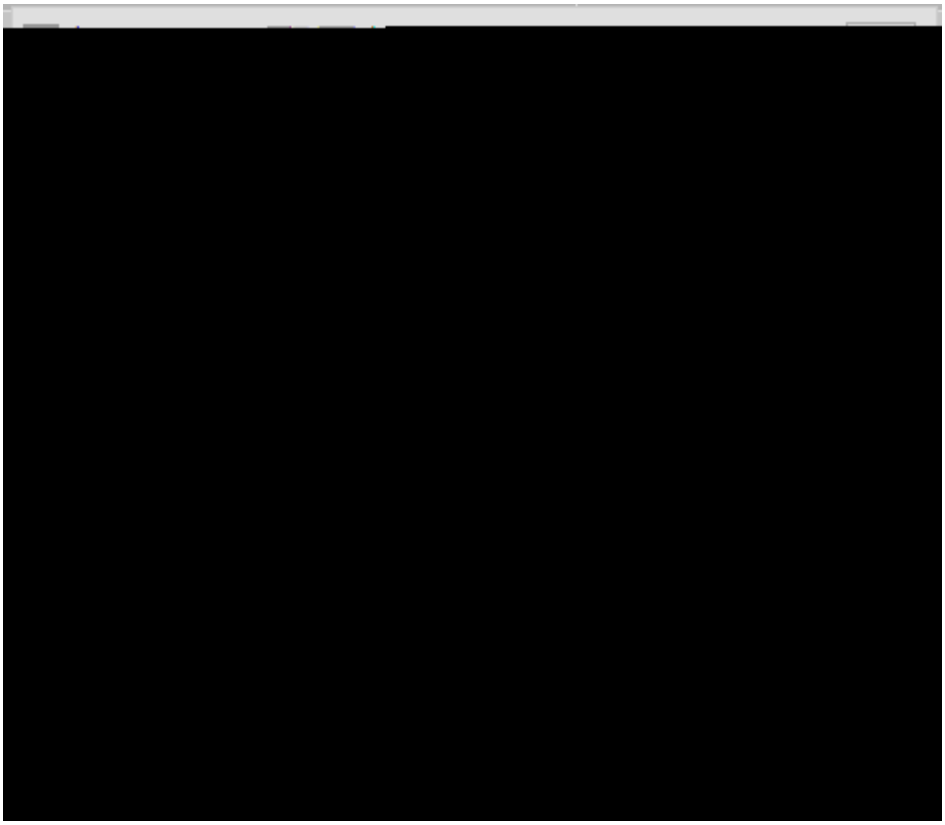
IP

1-80

1-82



1-83



low-bandwidth-delay

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QoS

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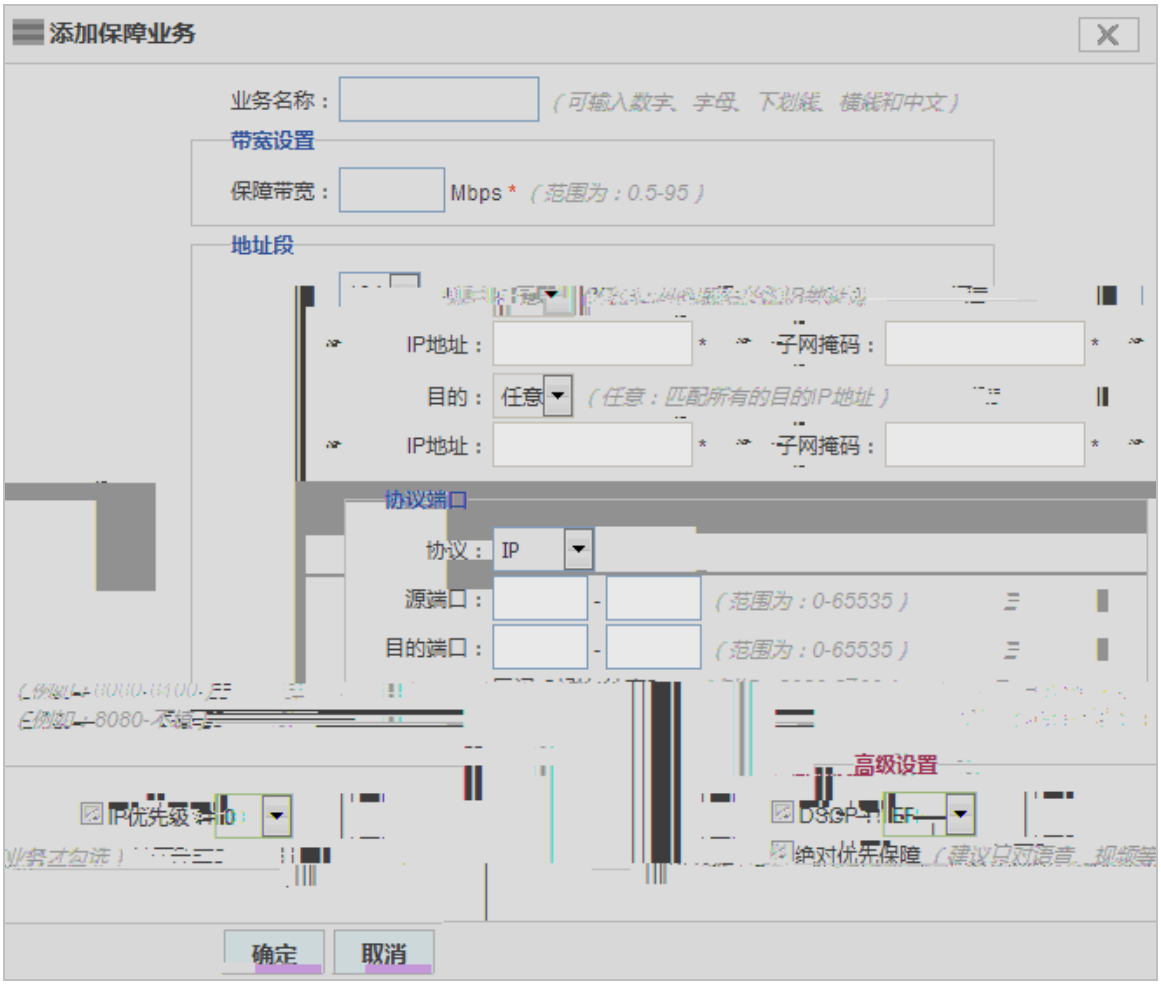
1-85



Web

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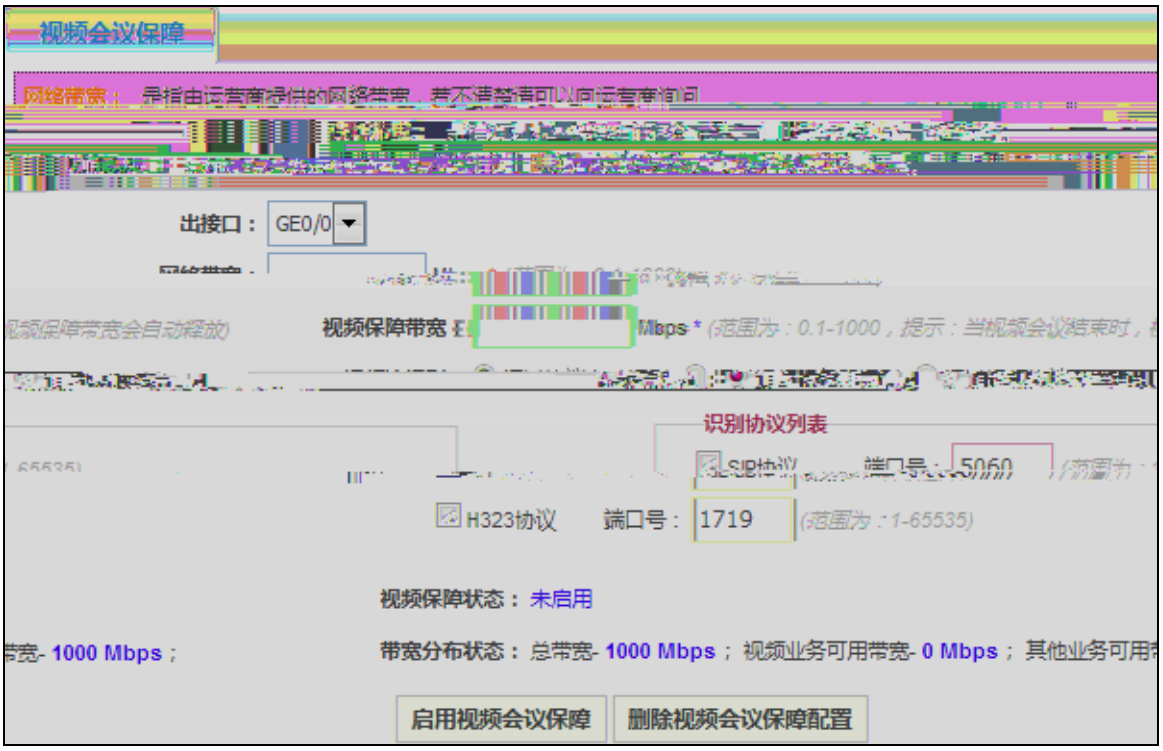
1. H323 SIP
2. IP
3. IP

1-86



(H323 SIP) IP IP

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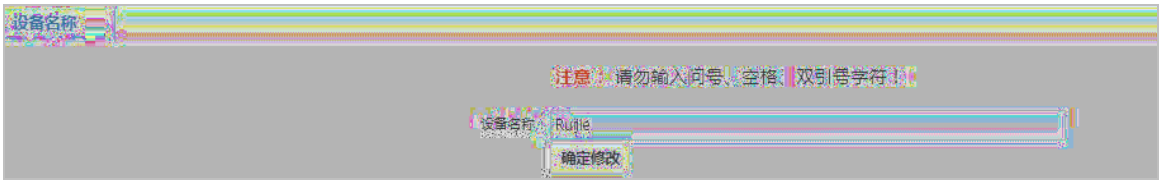
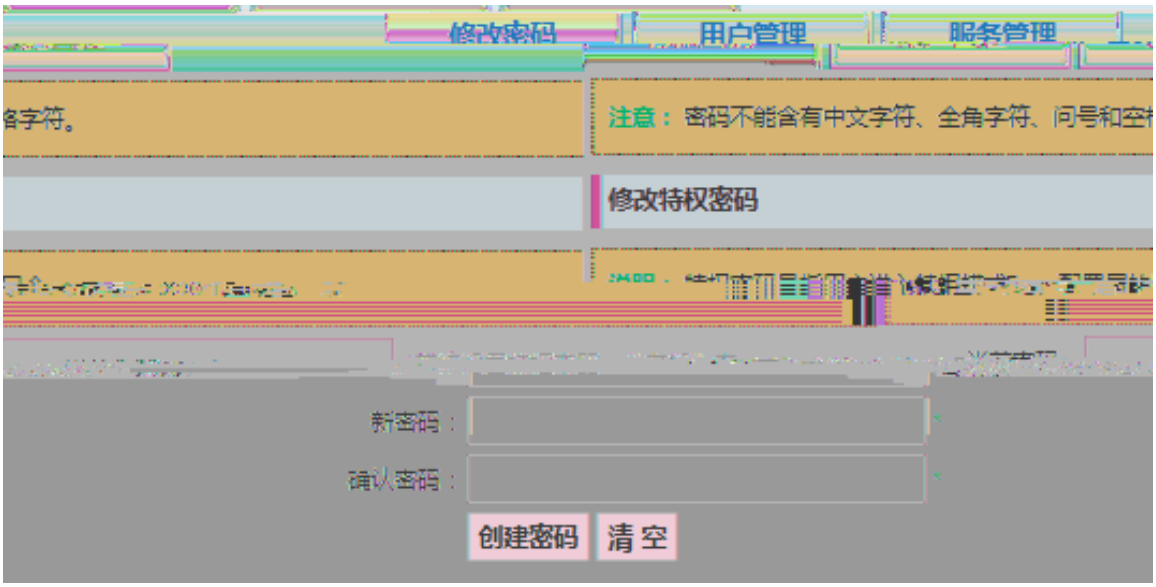
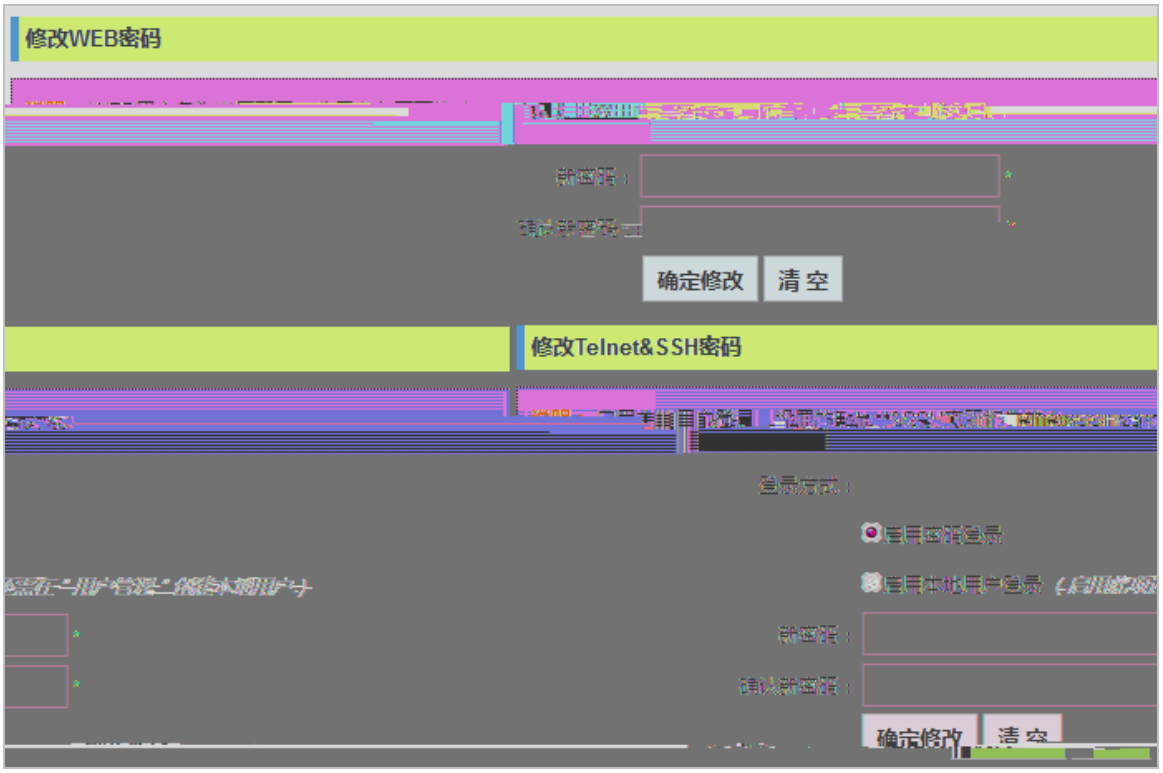
Web url

1-87


设备名称
注意：请勿输入问号、空格、双引号字符！
设备名称：
Ruijie
确定修改


修改密码
用户管理
服务管理
注意：密码不能含有中文字符、全角字符、问号和空
修改特权密码
新密码：
确认密码：
创建密码
清 空

1-92


修改WEB密码
确定修改
清 空
修改Telnet&SSH密码
确定修改

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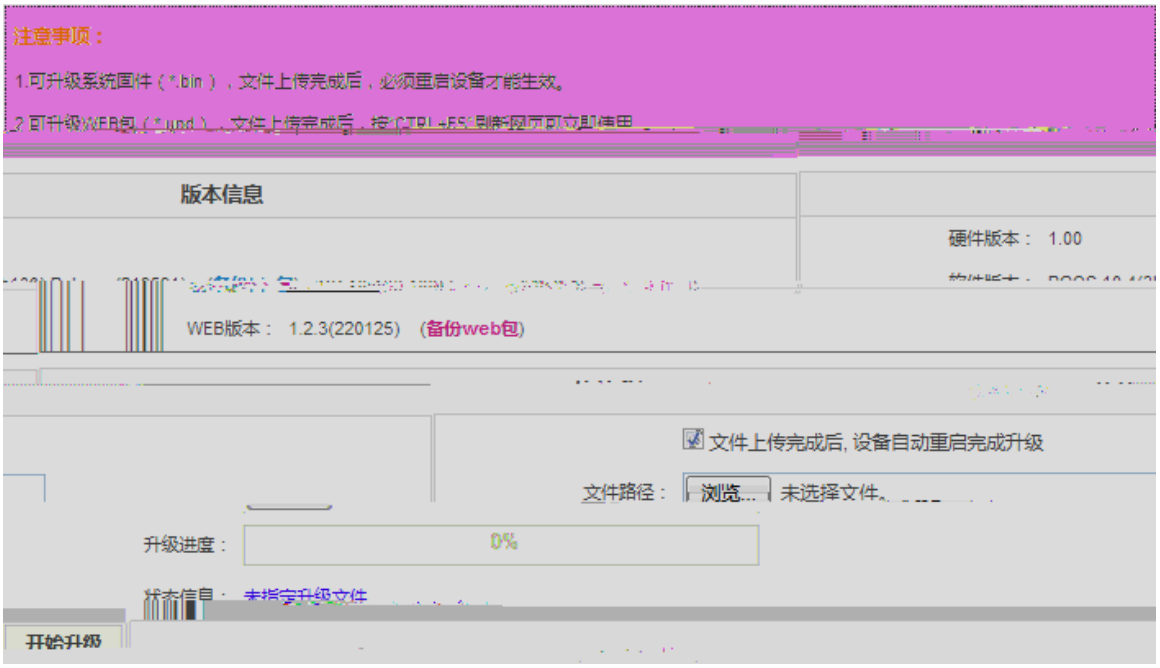
1-93



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Web Web

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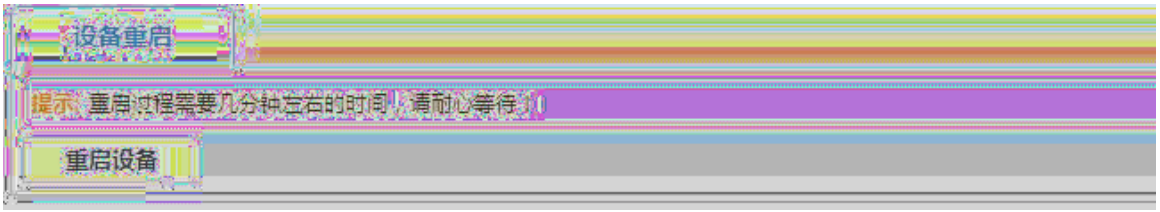

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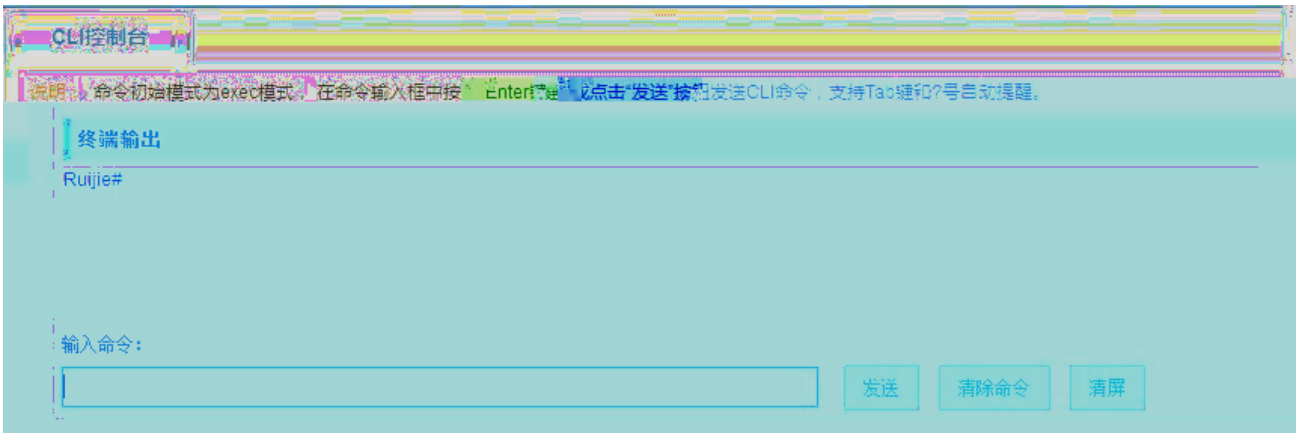
“ .text ”

“ config.text ”

1-99



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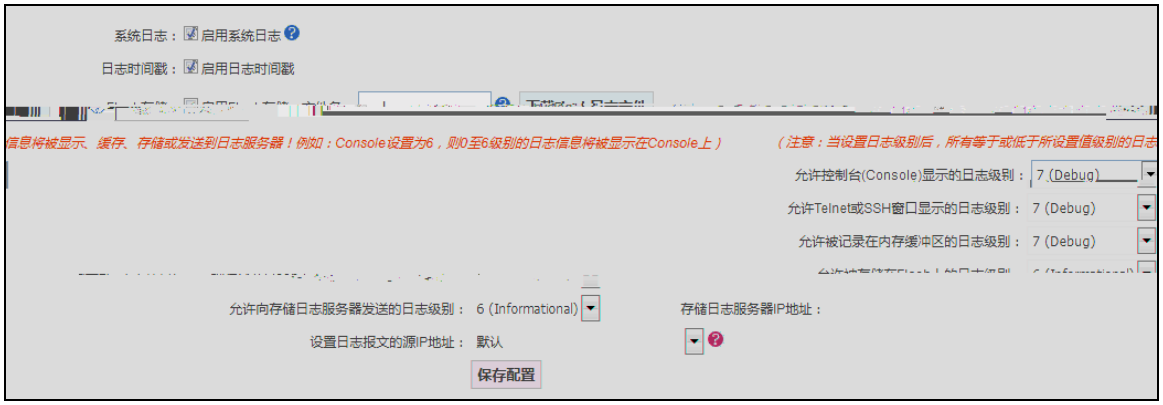
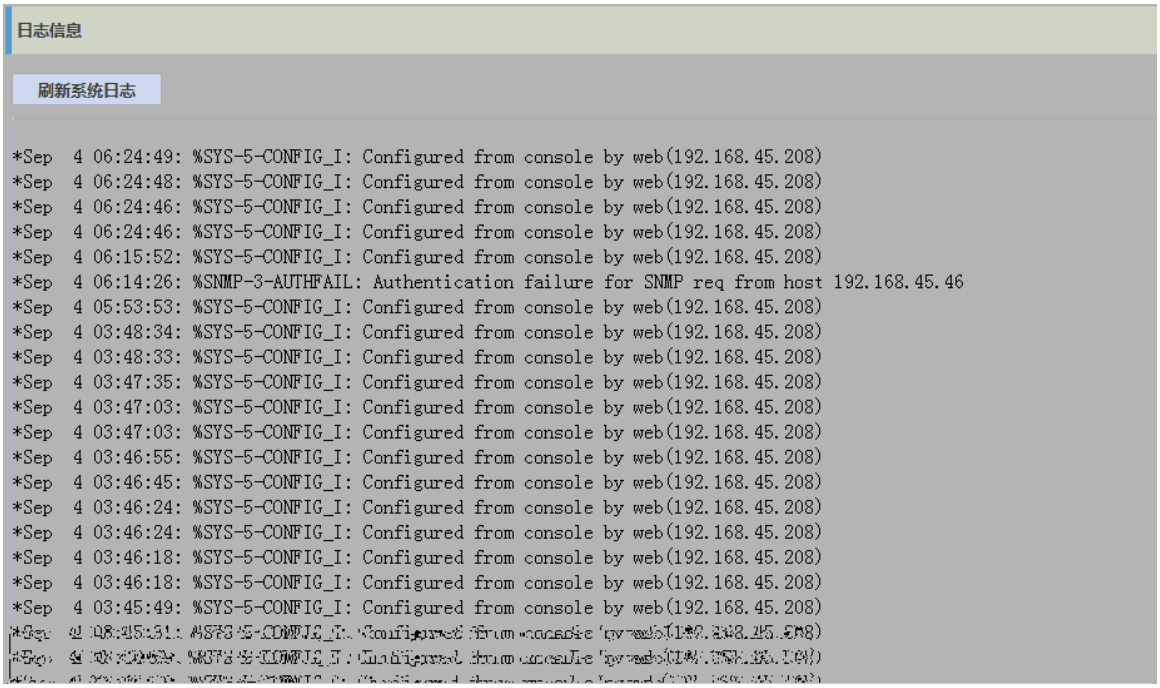
1-100



1-101


日志信息
刷新系统日志
*Sep 4 06:24:49: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 06:24:48: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 06:24:46: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 06:24:46: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 06:15:52: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 06:14:26: %SNMP-3-AUTHFAIL: Authentication failure for SNMP req from host 192.168.45.46
*Sep 4 05:53:53: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:48:34: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:48:33: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:47:35: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:47:03: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:47:03: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:46:55: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:46:45: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:46:24: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:46:24: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:46:18: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:46:18: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)
*Sep 4 03:45:49: %SYS-5-CONFIG_I: Configured from console by web(192.168.45.208)

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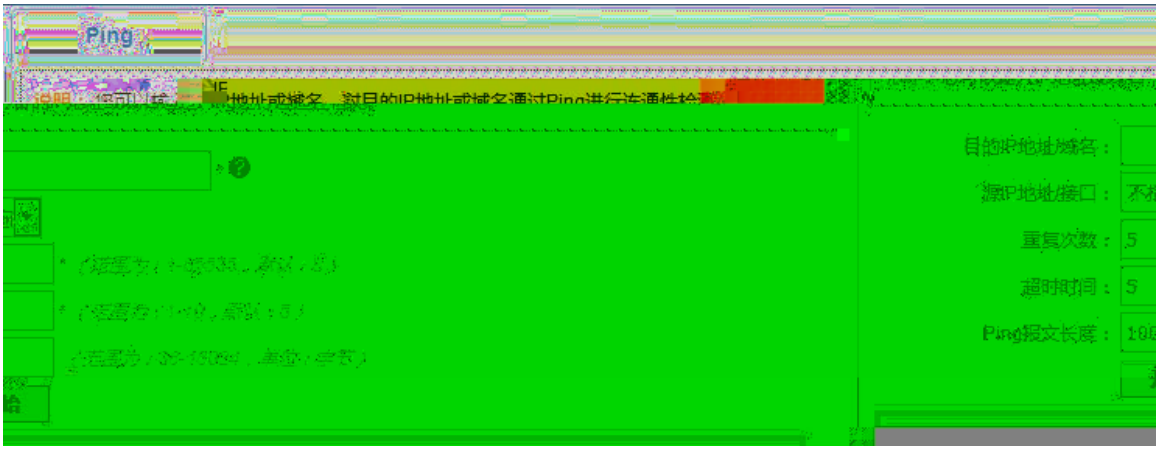
1-103



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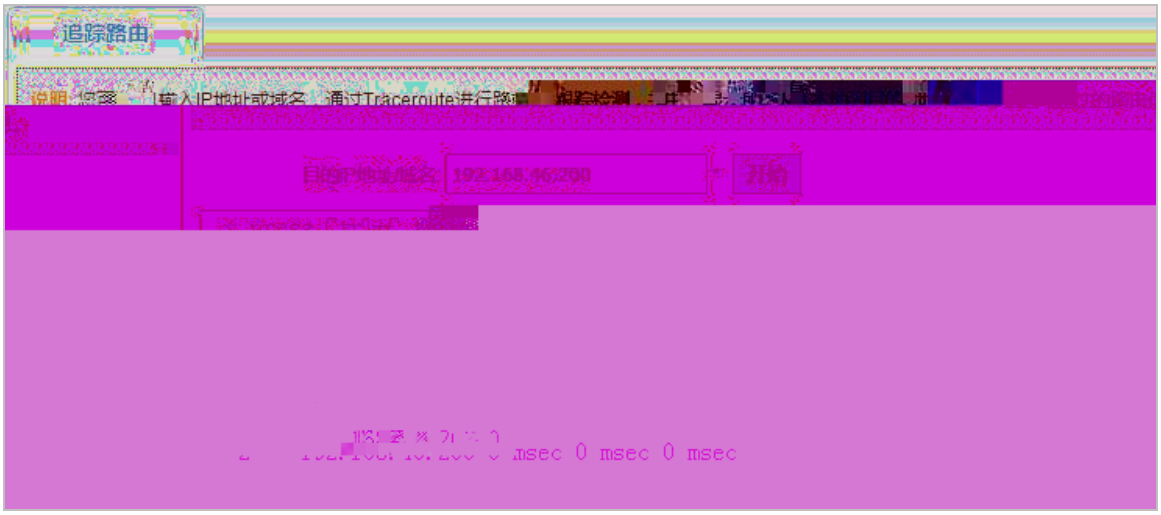
Traceroute

1-104



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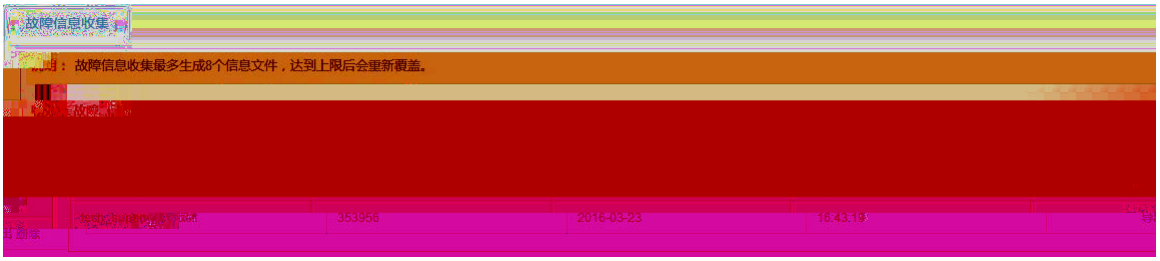
1-105



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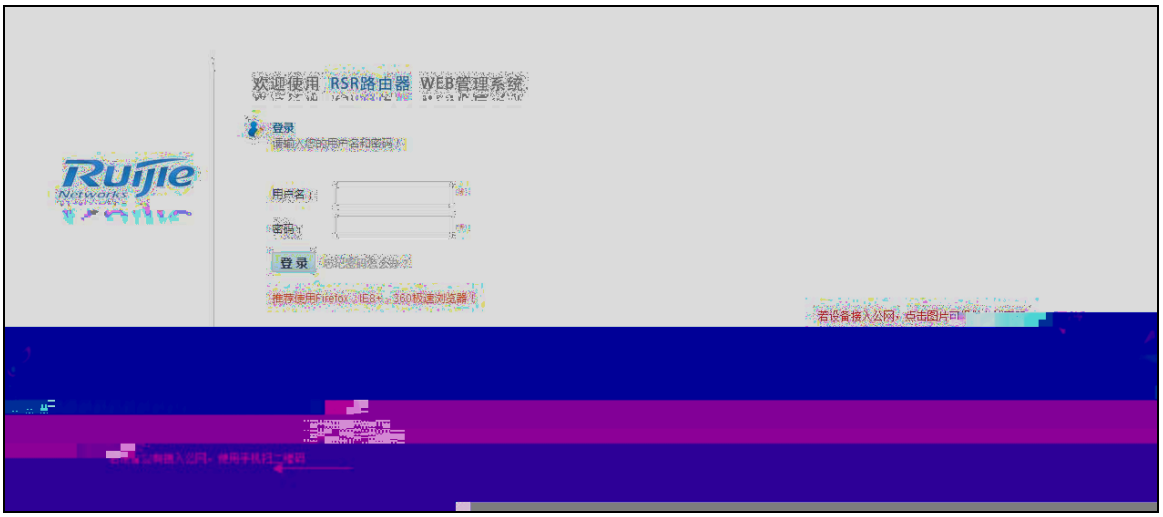
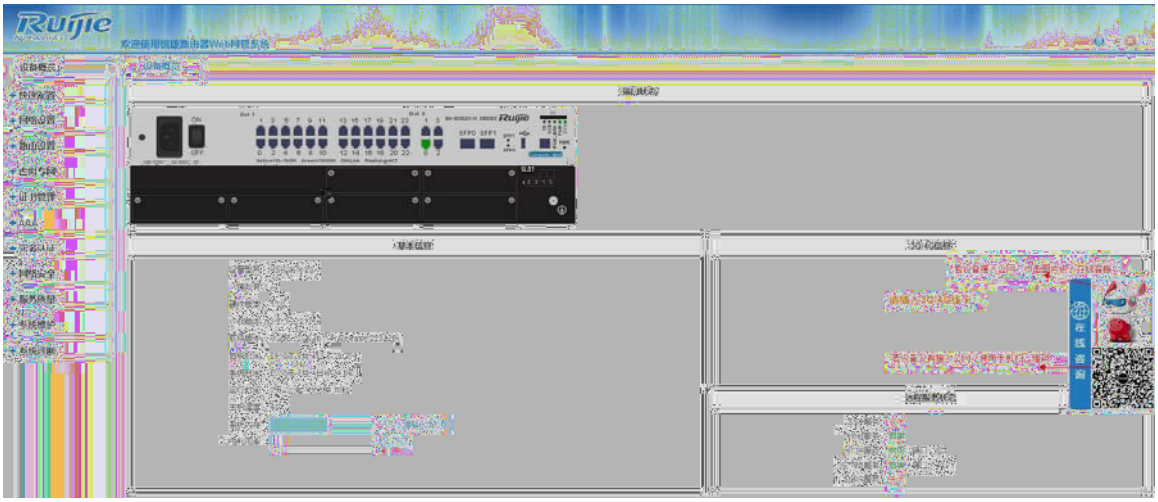
“ ” Web “ ”

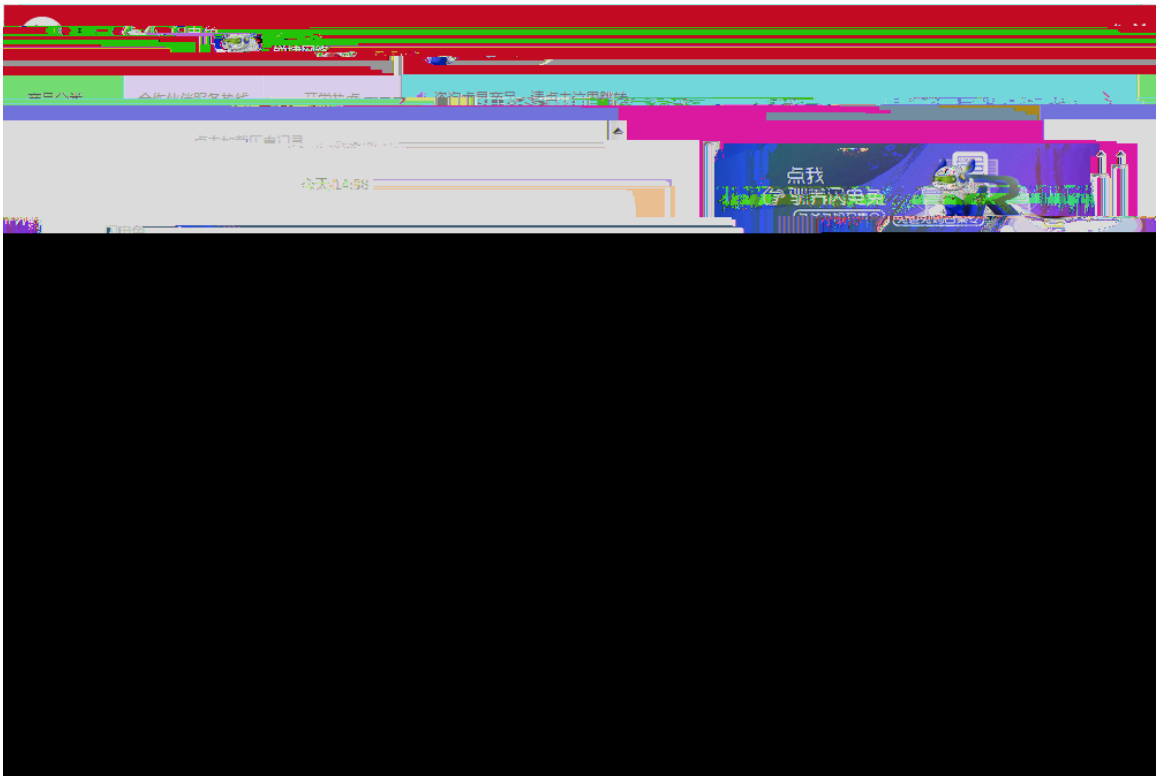
1-106 Web



1-107 Web



1-108



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Web Web

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Web Web

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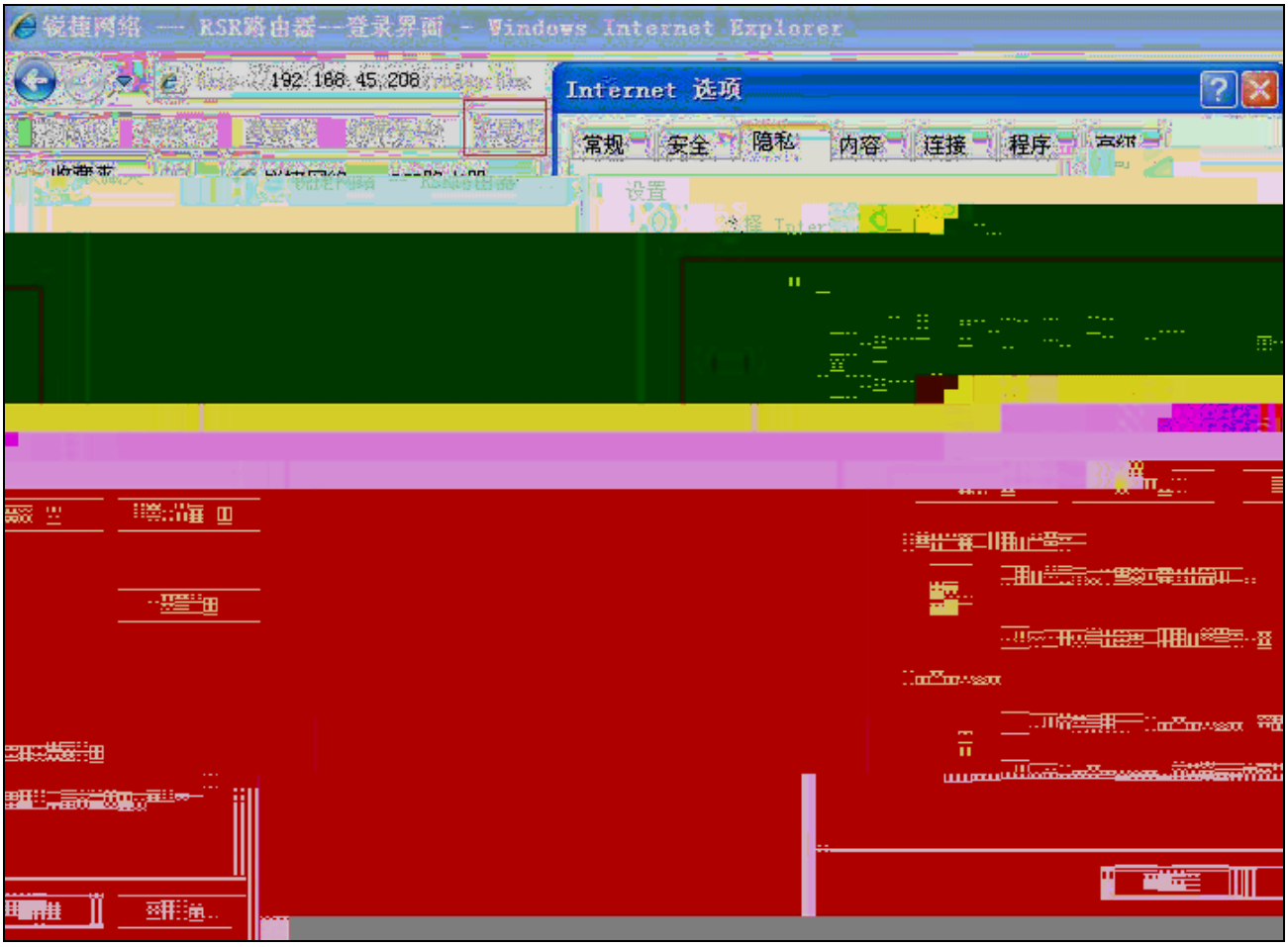
1-109 IE



“ ” “ ” Web

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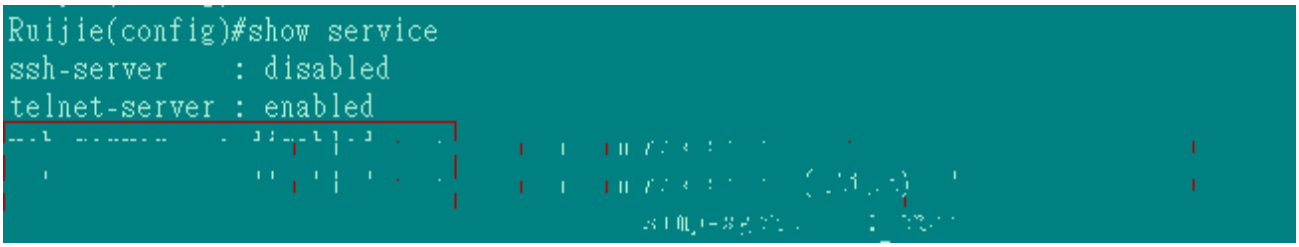
1 PC Ping Web Web

1-110 Web



“ disabled ” Web “ enable service Web-server all ” Web

2 PC Ping PC IP