



WEB

RG-RSR10-01G-E,810

RGOS 10.4(3b48)

V2.0

RGOS 10.4 (3b48)

<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

1)

[] []

{x|y|...}

1 WEB

1.1

RSR810 RSR10-01G-E

1.1.1

WEB IE Firefox Chrome

WEB WEB

WEB WEB WEB

IE Firefox Chrome Safari IE (Maxton)

WEB

PC 1280*1024

1440*900 WEB

1.2.2

255.255.255.0 WEB admin admin GE0/0 IP 192.168.1.1

Windows XP

WEB

WEB	GE0/0	VLAN1	IP	192.168.1.1
WEB	admin	admin	guest	guest

RSR810 RSR10-01G-E RSR810 RSR10-01G-E VLAN 1

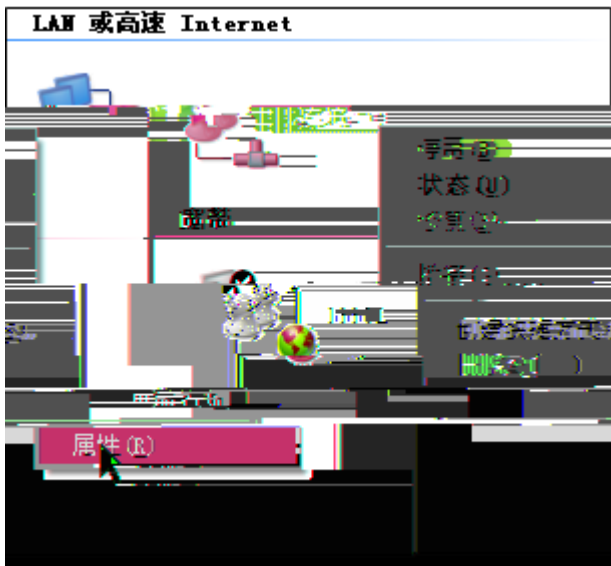
WEB

PC PC GE0/0
PC

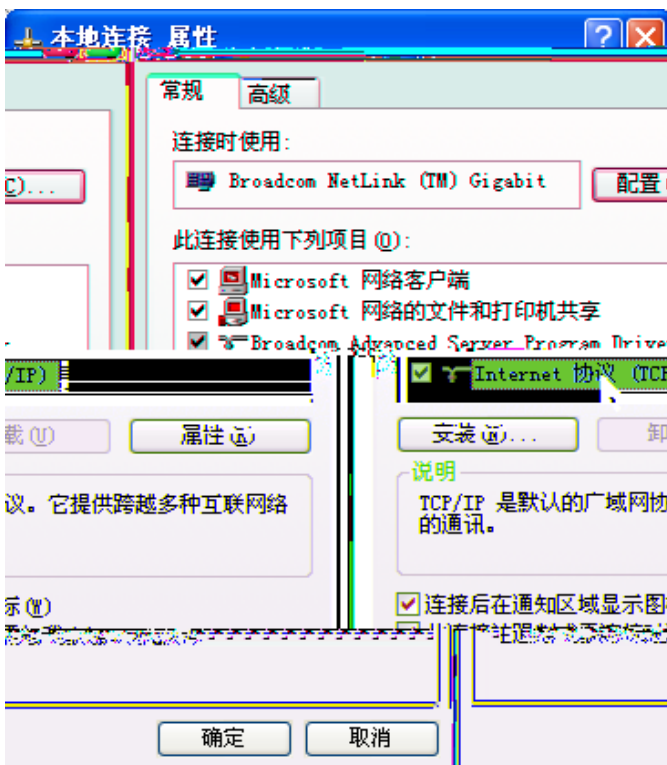
PC IP

PC " " ->" " ->" Internet " ->" "

1-1



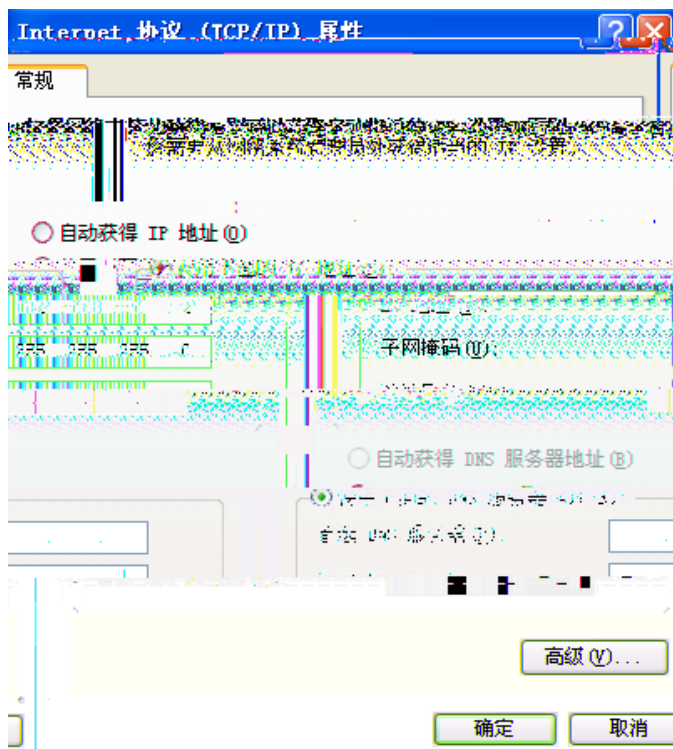
1-2



" " PC IP

" Internet TCP/IP " " IP " " IP " 192.168.1.xxx xxx

2 254 " " 255.255.255.0 " " 192.1F10 91 10422.



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:

```

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

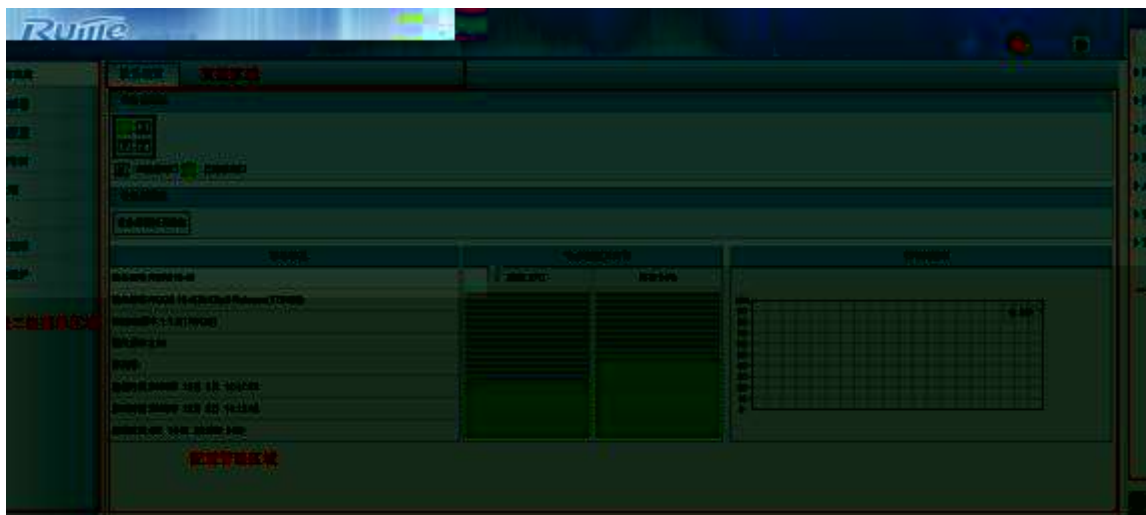
WEB

1.2.4 WEB

1.2.4.1

RSR WEB

1-8 WEB



A] —



USB

SD

USB SD

1.3.2

ADSL DHCP IP IP 3G VLAN VLAN CE1

1.3.2.1 VLAN

VLAN

VLAN Virtual Local Area Network

VLAN

1-10

VLAN编号	VLAN名	VLAN接口成员	操作
1	VLAN001	G1/0, G1/1, G1/2, G1/3	编辑 删除
10	VLAN010		编辑 删除
20	VLAN020		编辑 删除

1.3.2.2

							PPPOE(ADSL)	DHCP
	IP		IP					
PPPoE	ADSL		PPPoE(ADSL)					
DHCP		DHCP		DHCP				IP
PPPoE	ADSL		DHCP					

1-11



" IP " " IP " DHCP

" PPPoE(ADSL)" ADSL

SIC 3G 3G CE1

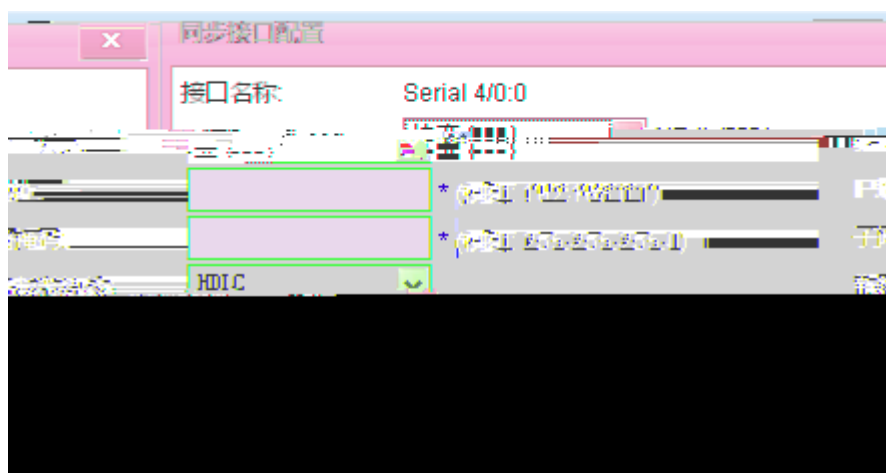
CE1 :CE1 E1 CE1 E1 E1

2M: CE1 *64Kbites IP PPP

1-12



1-13



DCE : IP PPP IP DTE
DCE DTE

1-14

DHCP	IP	PPPoE	SVI	VLAN ID	"	"
VLAN ID						
PPPoE	ADSL	PPPoE(ADSL)				
DHCP		DHCP	DHCP	SVI		IP

PPPoE	ADSL	DHCP				
-------	------	------	--	--	--	--

1-16



" IP "

接口名称	接口模式	接口状态	许可VLAN列表	操作
FazEthernet 1/1	TRUNK	未连接	ALL	编辑 删除配置
FazEthernet 1/2	TRUNK	未连接	ALL	编辑 删除配置
FazEthernet 1/3	ACCESS	未连接	1	编辑 删除配置
FazEthernet 1/4	ACCESS	未连接	1	编辑 删除配置
FazEthernet 1/5	ACCESS	未连接	1	编辑 删除配置
FazEthernet 1/6	ACCESS	已连接	1	编辑 删除配置
FazEthernet 1/7	ACCESS	已连接	1	编辑 删除配置
FazEthernet 1/8	ACCESS	未连接	1	编辑 删除配置
GigabitEthernet 1/0	TRUNK	未连接	ALL	编辑 删除配置

Trunk

Access

" " " " " "

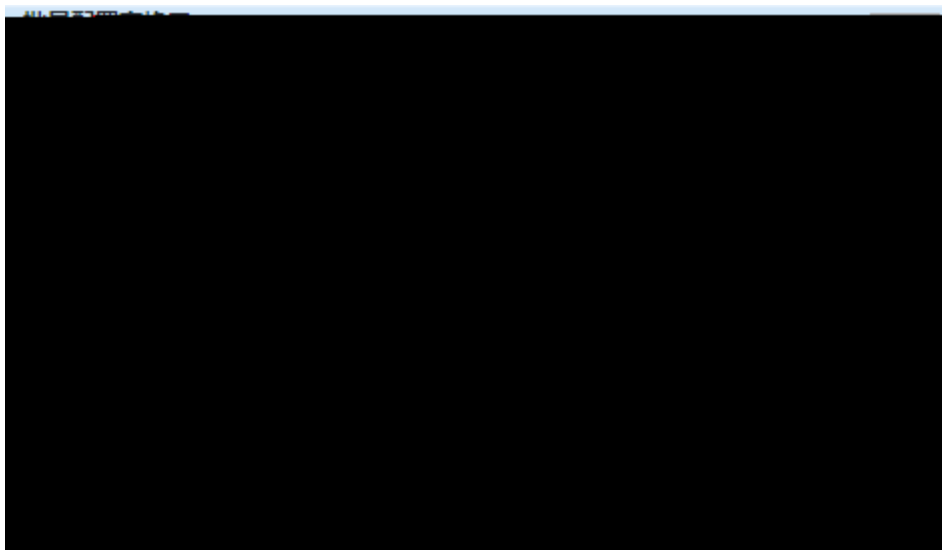
VLAN " "

VLAN

1-18 Access



1-19 Trunk



Access	Access	Trunk
Trunk	Trunk	Access

VLAN	VLAN	" "	VLAN	VLAN
------	------	-----	------	------

1-20

编辑固化交换口 [X]

交换口名称: FastEthernet 1/1

交换口模式: ACCESS

许可VLAN ID: * (范围: 1-4094)

SVI	SVI	VLAN	SVI
SVI			
VLAN	VLAN	IP	VLAN VLAN
VLAN	VLAN	SVI	Switch Virtual Interfaces
VLAN	IP	VLAN	

1-21



SVI IP

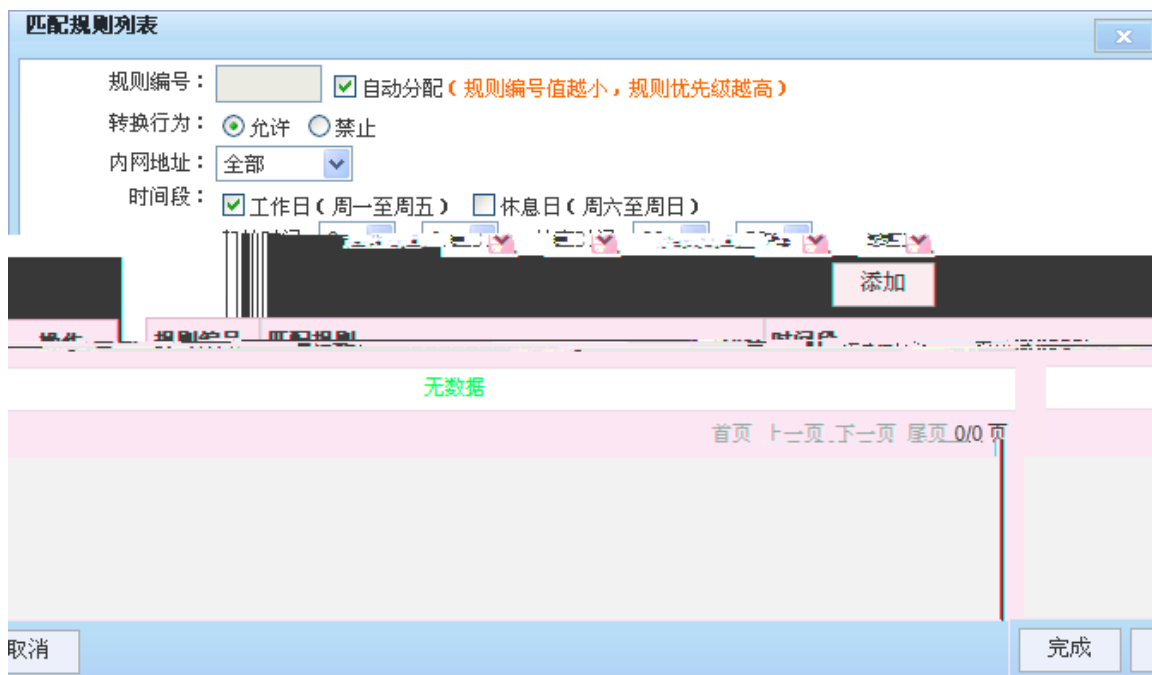
SVI SVI

SVI VLAN VLAN SVI

SVI VLAN ID 18 SVI

1.3.2.4 NAT

NAT " " " NAT " Network
 Address Translation" " " IP Inm61.5 666B096607A90214A8ansl1



1-24



TCP UDP

IP IP IP

1 65535

IP IP IP

1 65535

1-25



IP IP IP

IP IP IP

1.3.2.5 DHCP

Dynamic Host Configuration Protocol, DHCP

DHCP

IP DHCP IP IP IP

DHCP

DHCP DHCP

1-26



IP

IP DNS LAN

1-27



IP

IP

IP

IP

IP

1-29



IP

IP

IP

IP

IP

IP

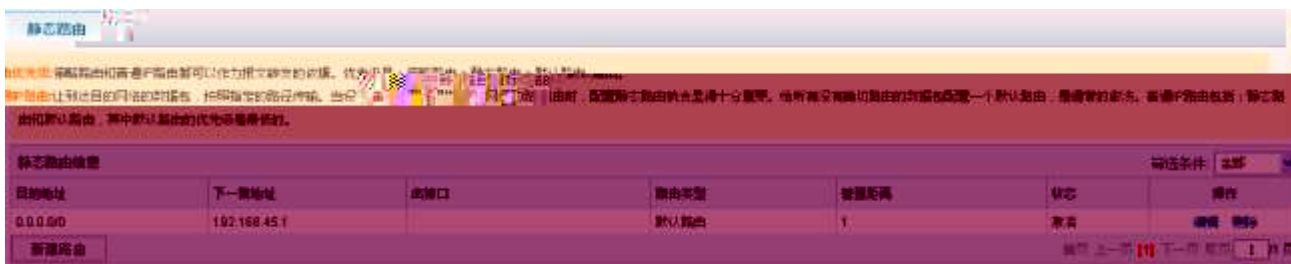
IP



1.3.3

1.3.3.1

1-21



0.0.0.0

1-22

新建路由 ✕

说明: 管理距离-N : N值越小越优先进行选路

路由类型: 默认路由 静态路由

目的地址: * (例如: 202.210.19.0)

目的掩码: * (例如: 255.255.255.0)

出接口: ▼

下一跳地址: * (例如: 192.168.1.1)

管理距离:

完成 取消

1.3.3.2

PBR Policy-Based Routing

IP

1-23

策略路由

路由优先级: 策略路由和普通IP路由都可以作为报文转发的依据, 优先级是: 策略路由 > 静态路由 > 默认路由。

说明: 策略路由是一种比基于目的网段进行路由更加灵活的数据包路由转发机制。

策略路由信息

策略应用接口	匹配策略	出口地址	下一跳地址	策略优先级	操作
Async 1	源地址:any, 目的地址:any	GigabitEthernet 0/0		1	编辑 删除

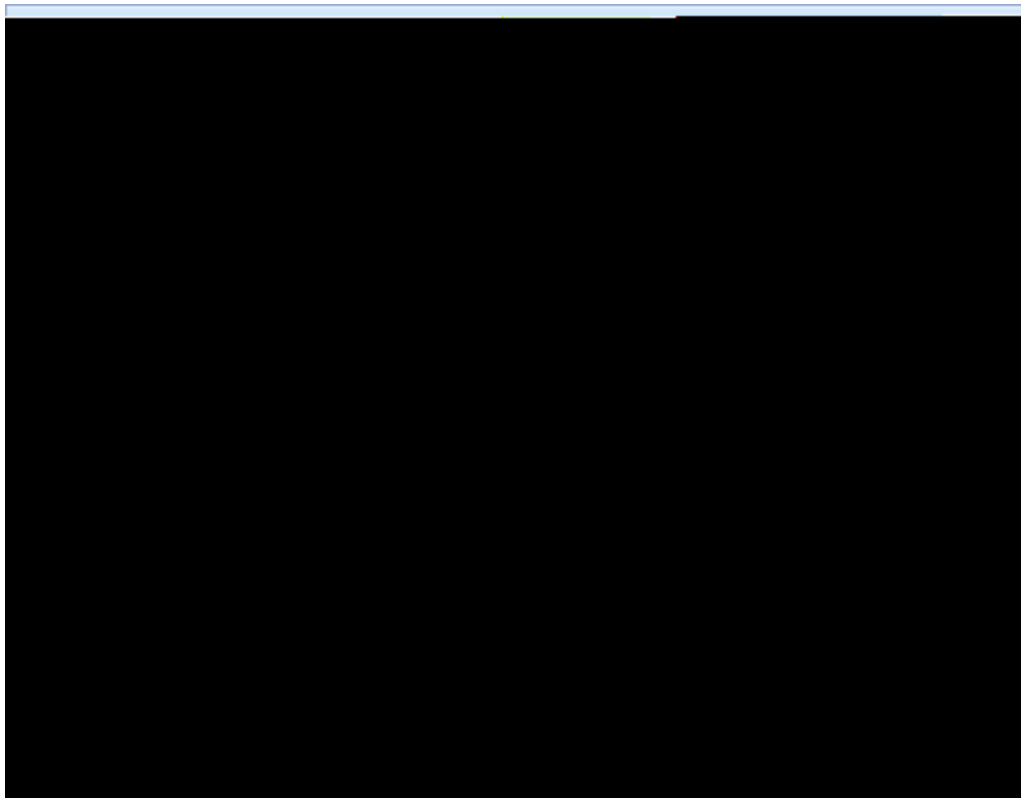
新建策略路由 首页 上一页 1/1 下一页 尾页 1/1 页

IP

IP

IP

1-24



1.3.3.3 RIP

RIP(Routing information Protocol)
(distance-vector)

RIP UDP

(Interior Gateway Protocol, IGP)

15

WEB

RIPv2

RIP

RIP

RIP

WEB

RIP

IP

IP

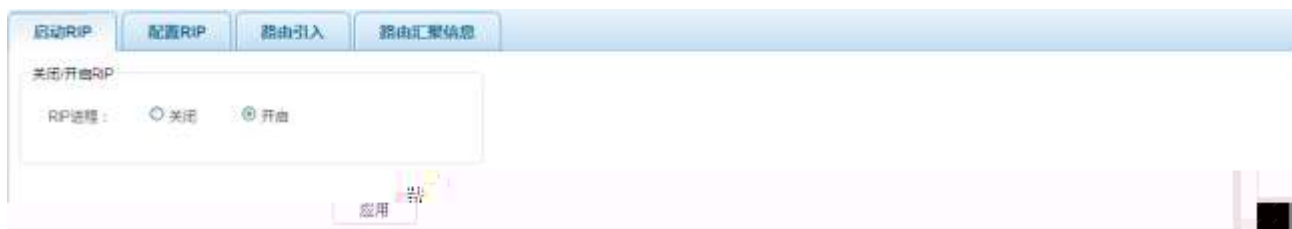
RIP

RIP

RIP

RIP

1-25



RIP

VLAN

RIP

RIP

1-



1-28



1.3.3.4 OSPF

OSPF Open Shortest Path First Autonomous System

(Interior Gateway Protocol,IGP),

(RIP) OSPF

OSPF

OSPF

OSPF
IP

WEB

OSPF

ID

ID

OSPF

OSPF

ospf

ID " 1"

1-40



OSPF

VLAN

OSPF

1-41



OSPF

OSPF

OSPF

OSPF

OSPF

OSPF

1-42



OSPF

OSPF

:

OSPF

RIP

OSPF

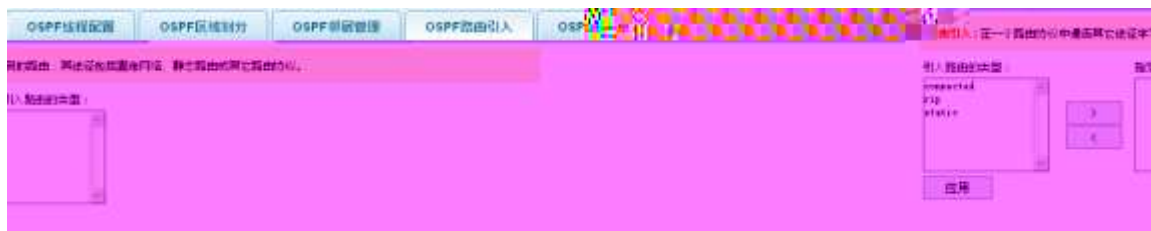
RIP

OSPF

RIP

rip connected static

1-29



OSPF



VPDN

VPDN

VPDN

VPN

PKI

CA Certificate Authority

CA

CA

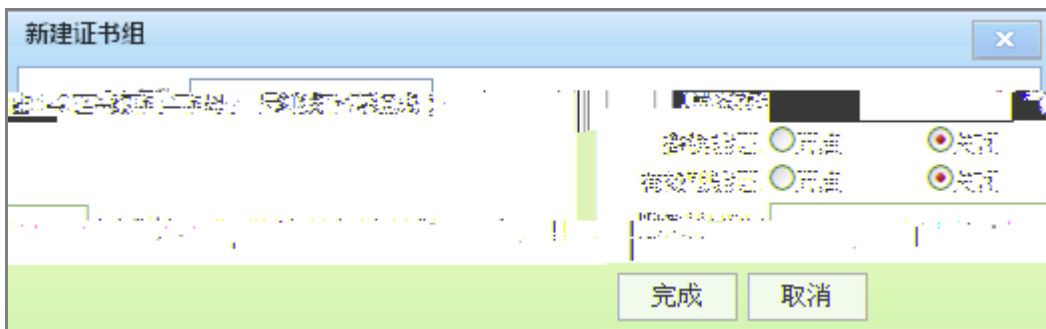
CA Certificate Authority

" *.pfx"

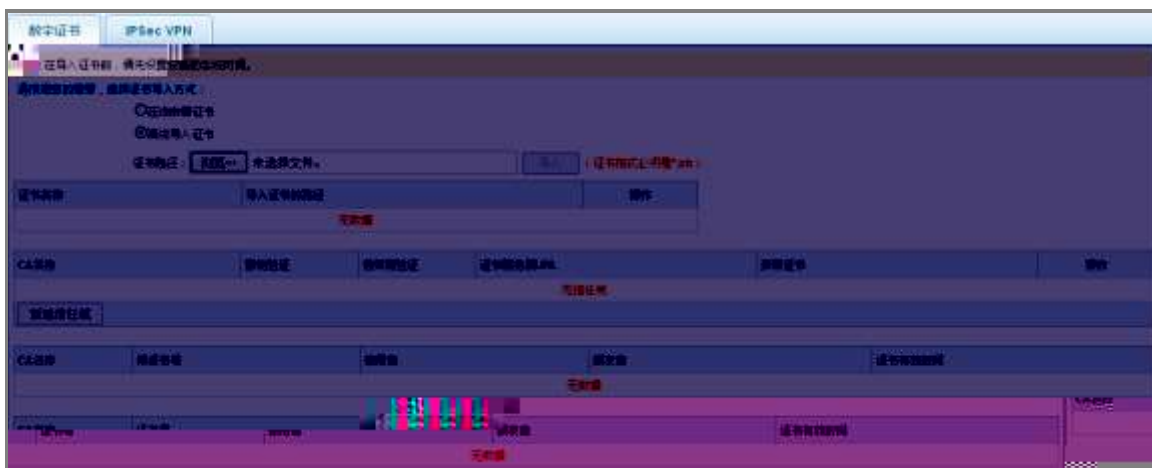
CA Certificate Authority

1-32





1-33



IPSec VPN

VPN

Internet

Internet

IPSec

IPSec

1-34



DPD

IPSec

IPSec IP

IKE DES 3DES AES SM1 SHA MD5

ESP-DES ESP-SM1 ESP-3DES ESP-NULL ESP-SHA-HMAC

ESP-MD5-HMAC AH-SHA-HMAC AH-MD5-HMAC

VPN

IPSec VPN

IPSec

1-35



IPSec

UP

IPSec

1.3.5

1.3.5.1

ARP

ARP

ARP

10

ARP

ARP

DoS

DoS/DDoS

ARP

ARP

SYN Flood

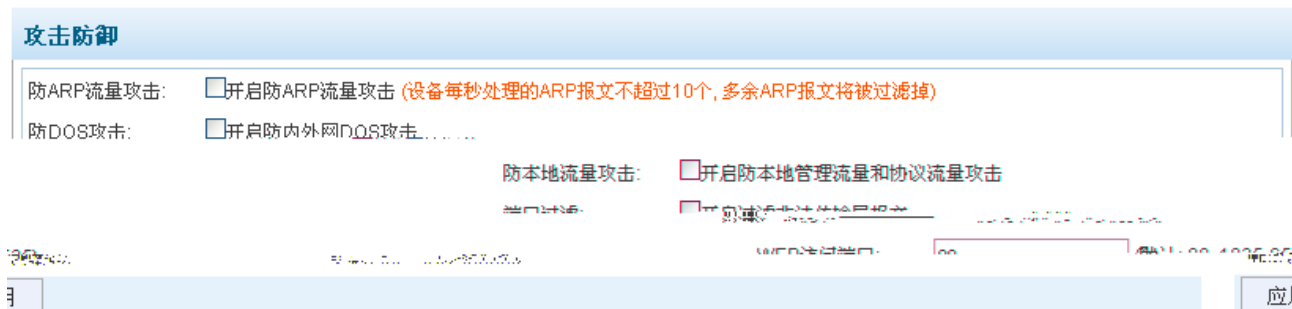
WEB

WEB

80 WEB

WEB

1-50



1.3.5.2

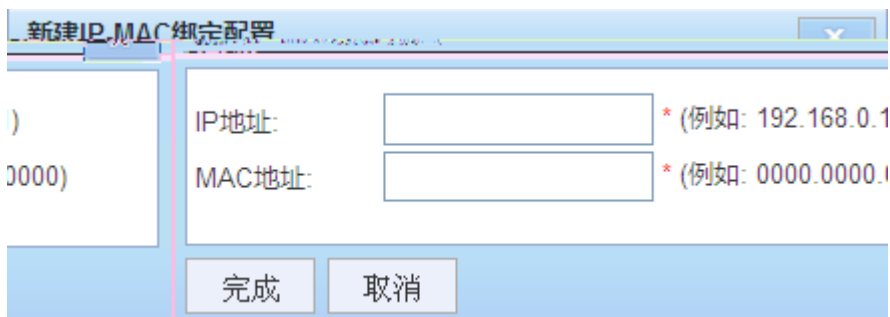
ARP IP-MAC IP MAC IP-MAC
 IP-MAC ARP IP-MAC

1-51



IP MAC IP
 MAC IP MAC

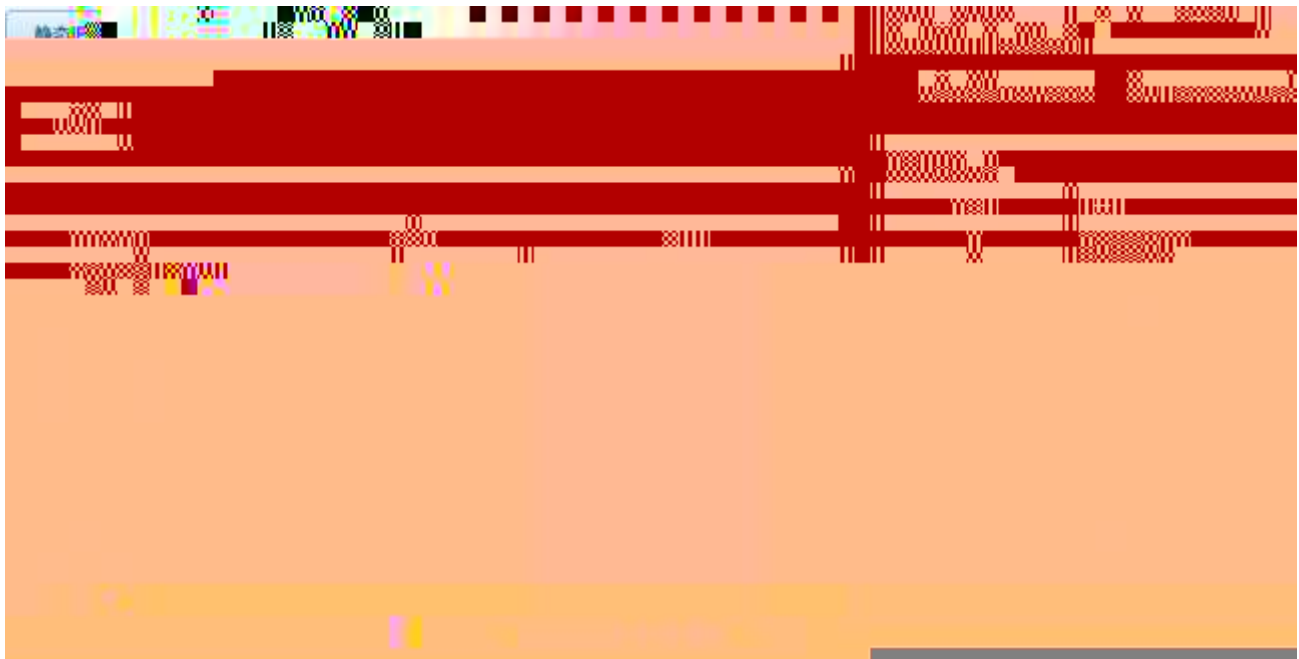
1-52



IP-MAC ARP IP-MAC

" IP-MAC " IP-MAC

1-53



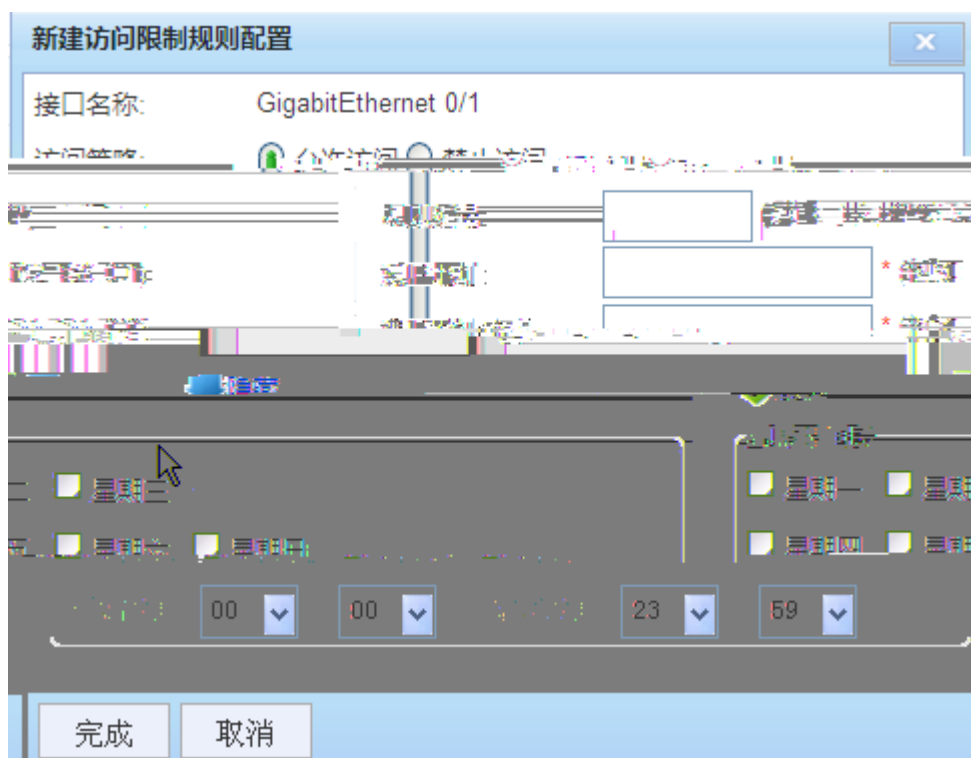
1.3.5.3

18

Dialer

Virtual-PPP

1-55



1.3.6 AAA

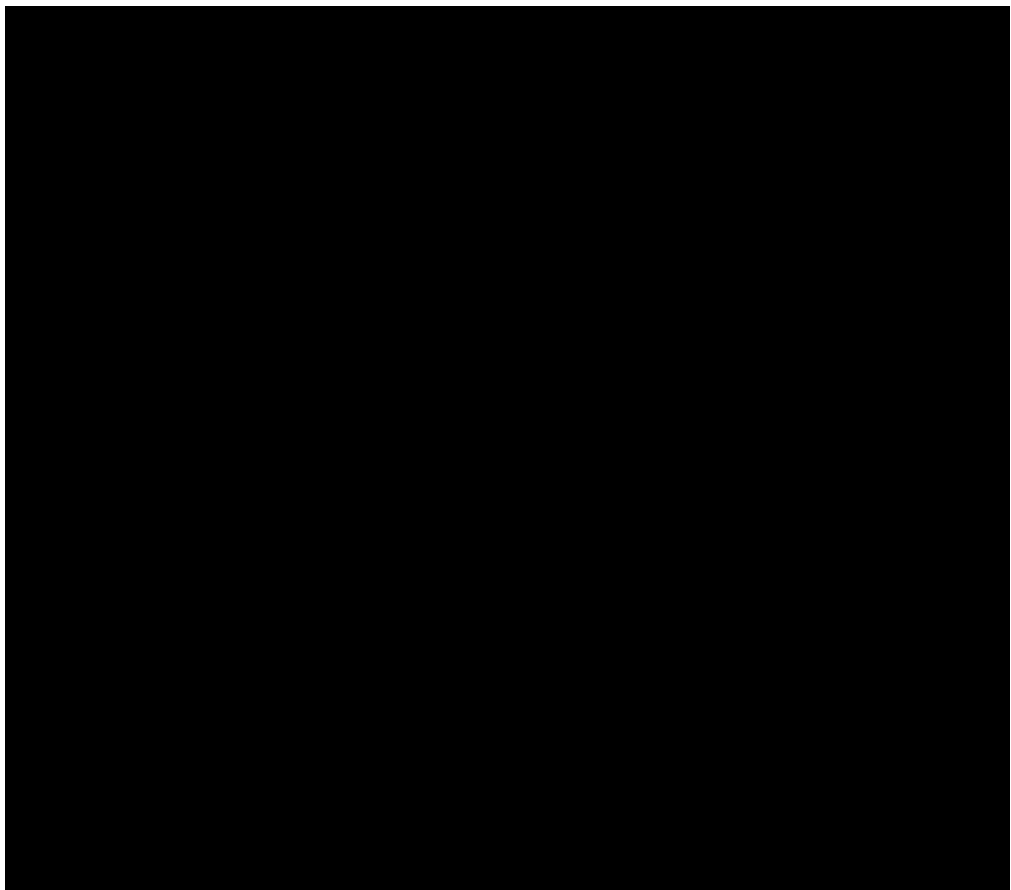
AAA Authentication Authorization and Accounting

1.3.6.1

1-56



1-57



1.3.7

1.3.7.1

icmp flood udp flood

1-58



IP

IP

18

Dialer

Virtual-PPP

1-59

主机限速规则配置

接口名称: GigabitEthernet 0/1

源IP地址: *

源IP地址掩码: *

星期二 星期三

星期五 星期六 星期日

开始时间: : : 结束时间: : :

星期一 星期二

星期三 星期四

开始时间:

1.3.7.2

1-60



1-36



1.3.7.3



HQoS

QoS

QoS

“ ”

QoS

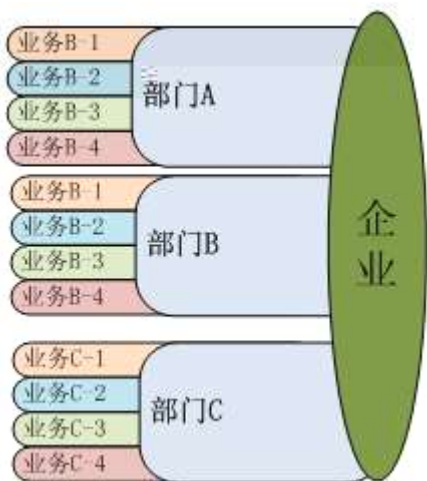
HQoS

1-62



-> ->

1-63



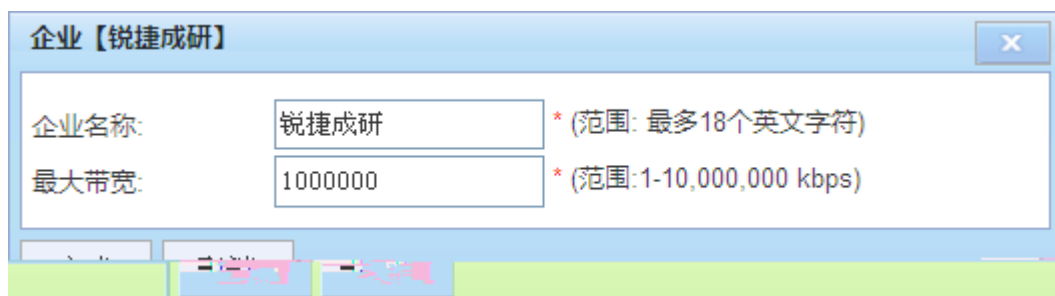
1-64



1)



1-65



2)

增加部门

1-66

增加部门【锐捷成研】

部门名称:	<input type="text"/>	* (范围: 最多18个英文字符)
最小带宽:	<input type="text"/>	* (范围: 0-1,000,000 kbps)
最大带宽:	<input type="text"/>	* (范围: 1-1,000,000 kbps)

完成 取消

3)



1-67

业务【行政部>>VOIP】

业务: [Gi 0/1 端口全] [Gi 0/1 端口全]

业务优先级: 延迟保障

业务分类: 匹配DSCP 匹配ACL

DSCP: [] *(范围:0-63)

规则序号	分类规则【业务匹配下列任意一项规则生效】	操作
	无数据	

首页 上一页 下一页 尾页 0/0 页

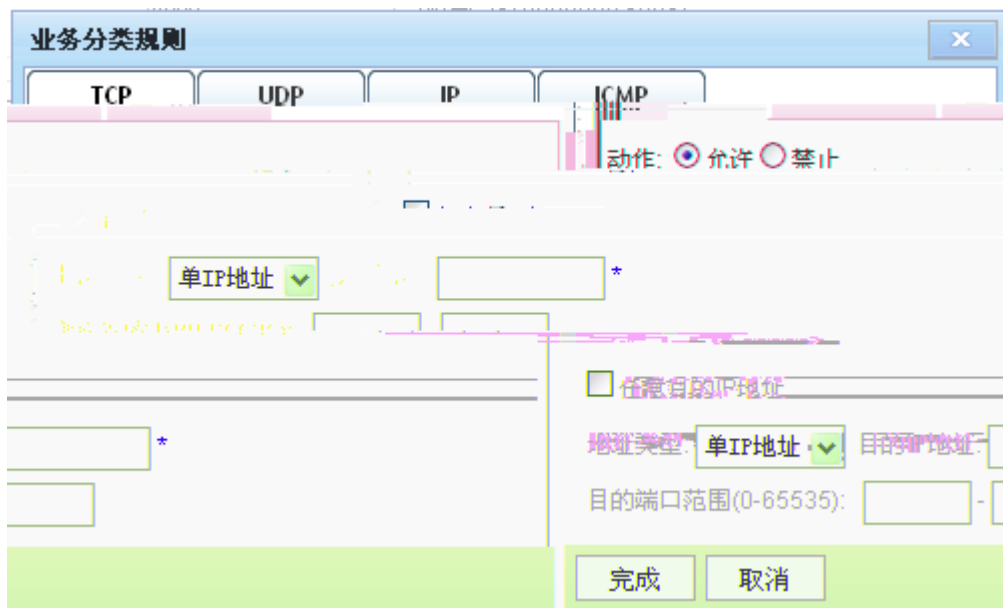
无数据 取回

ACL

18

Dialer

Virtual-PPP



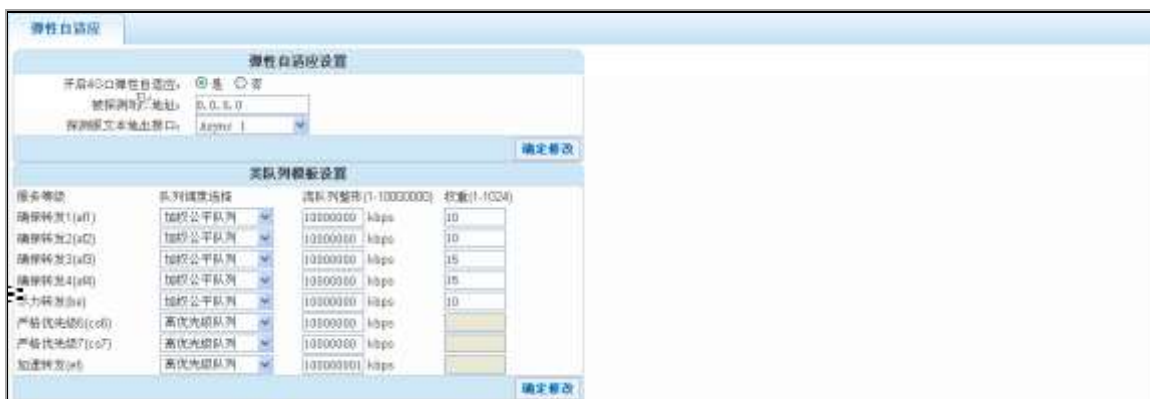
DSCP	Differentiated Service	Differentiated Services QoS	Code Point	IETF	1998	12	Diff-Serv
			IP	TOS			6
							2

1.3.7.4

QoS

IP IP

1-70



1.3.8

1.3.8.1

SNMP

Internet

DNS

DNS

1-71



SNMP

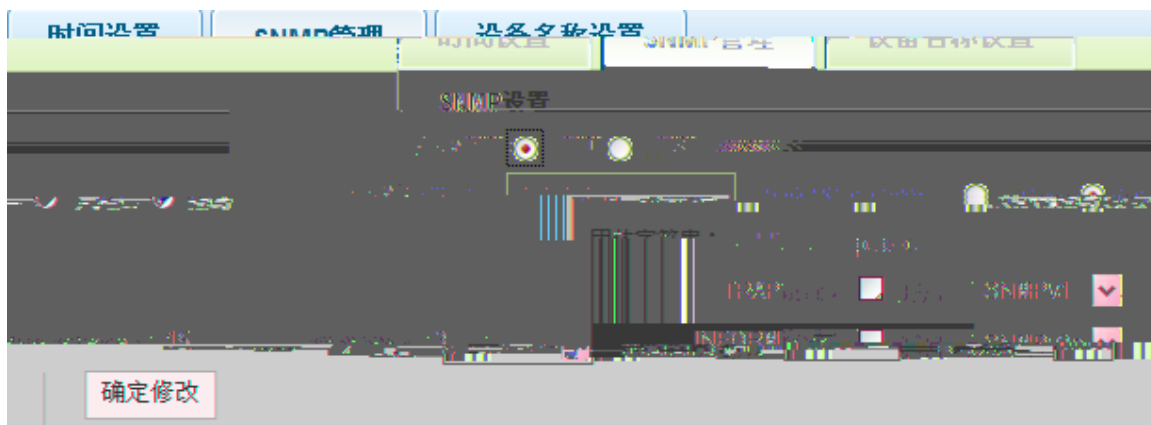
SNMP

SNMP

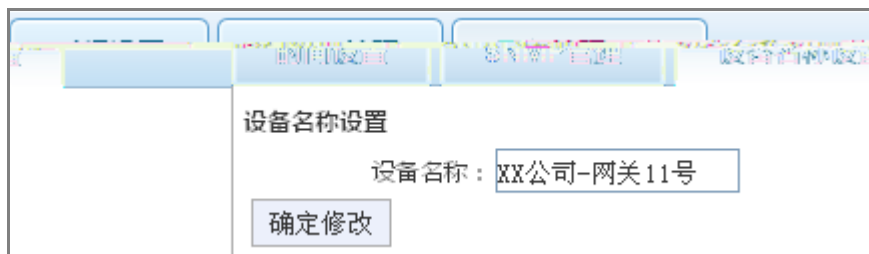
1-72



1-73



1-74

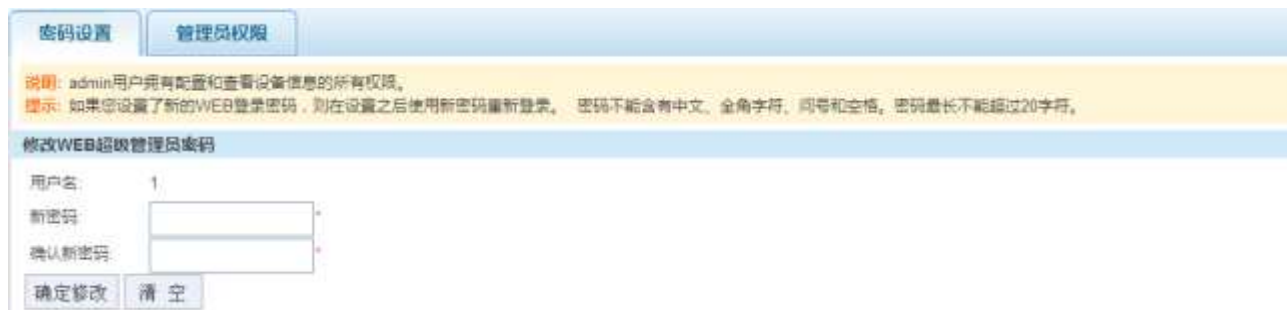


1.3.8.2

WEB

WEB

1-75



" admin"

WEB

WEB

WEB

Telnet

" guest"

" guest"

admin

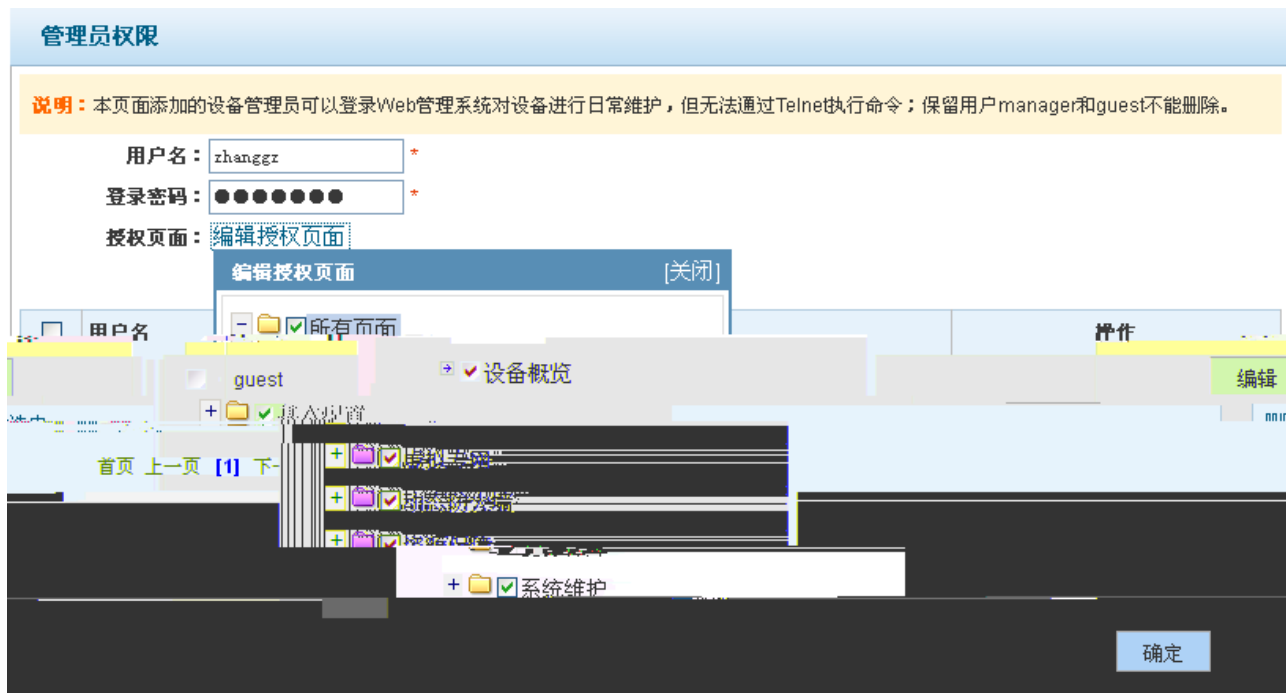
1-76



zhangs;

WEB

1-77 admin



WEB

" Admin"

WEB

WEB

1-78 guest



WEB

Telnet

Telnet TCP/IP Internet

telnet telnet

telnet

Telnet Telnet

Exec

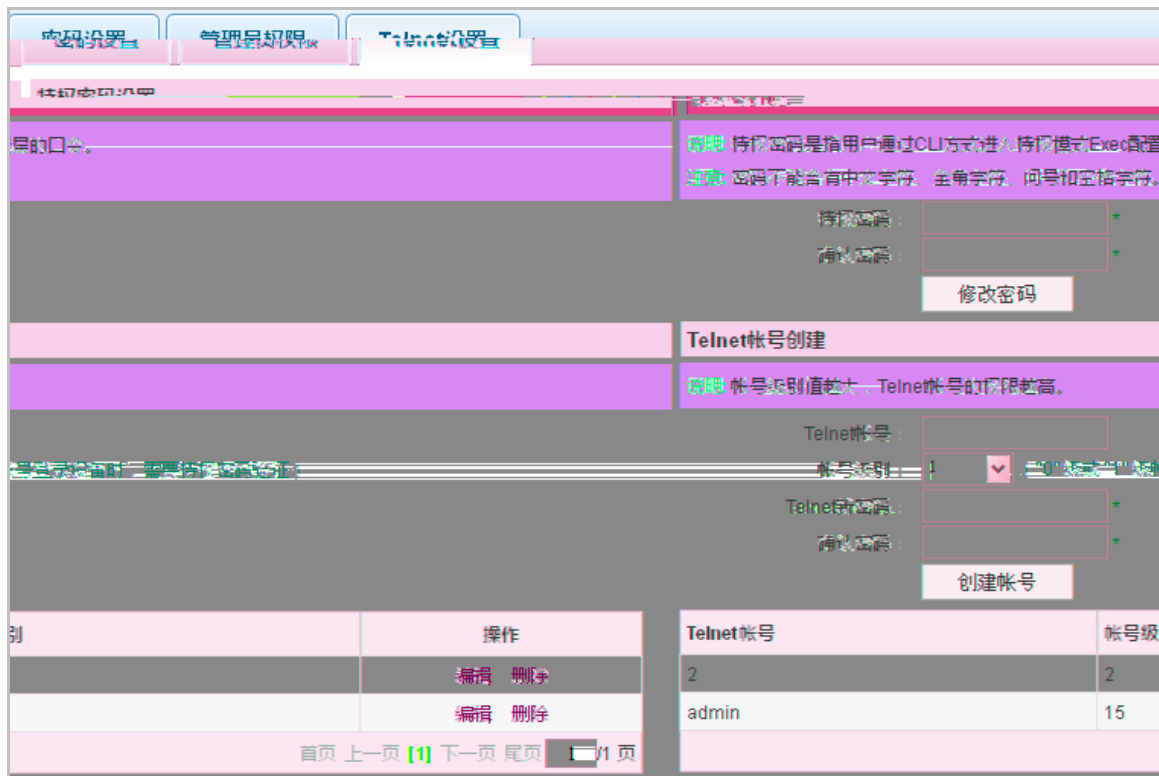
CLI

Telnet Telnet

Telnet

WEB Telnet

1-79



1.3.8.3

WEB

50

WEB

1-80



50

" bin"

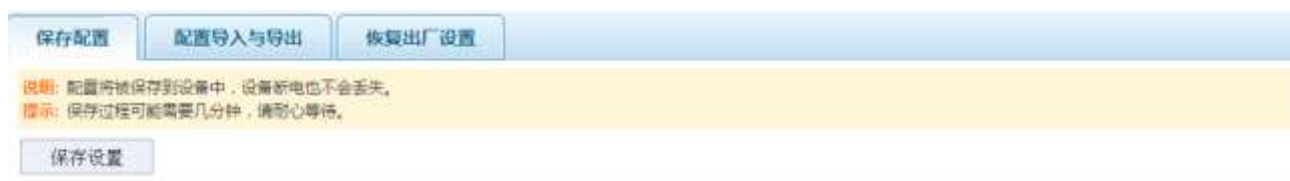
WEB

" upd"

flash

1.3.8.4

1-81



".text"

" config.text"

" config.text"



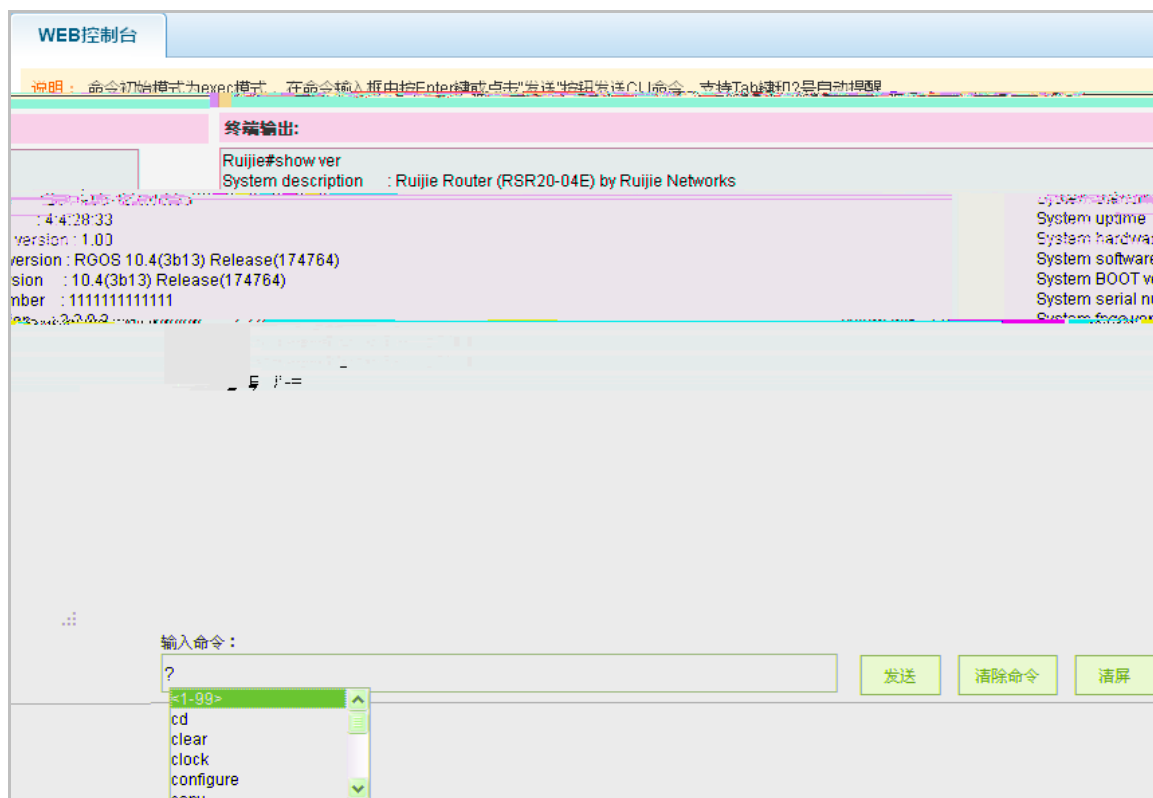
1-83



1.3.8.5 WEB

WEB Console WEB
CLI

1-84



1.3.8.6

1-85 WEB WEB

1-85



1.3.8.7

1-86 WEB WEB

1-86

操作日志		
提示：操作日志显示最多500条操作日志		
操作日志		
时间	操作员的ip	描述
2012-12-28 10:06:53	192.168.50.117	用户登
保存配置	2012-12-28 09:57:29	192.168.50.117
密码设置页面，修改telnet登陆密码	2012-12-28 09:55:22	192.168.50.117
保存配置	2012-12-27 18:05:21	192.168.50.117
时间设置页面，修改系统时间	2012-12-27 18:02:41	192.168.50.117
新建策略路由成功	2012-12-27 08:58:37	192.168.50.117
外网接口 GigabitEthernet 0/0 保存成功	2012-12-26 15:32:00	192.168.50.117
外网接口 GigabitEthernet 0/0 保存成功	2012-12-26 15:28:33	192.168.50.117

IP

1-87

操作日志		系统日志	
说明：该功能是显示和保存系统日志到服务器。			
显示系统日志			
显示系统日志			
<pre>*Dec 28 08:53:09: %ARP-4-ARPCHANGEMAC: ARP entry 192.168.50.171 on GigabitEthernet 0/1 changed d0.f822.33d4. 001a.a93a.6cd7 to 00 YS-5-CONFIG_I: Configured from console by web(192.168.50.117) *Dec 28 09:36:08: %SYS-5-CONFIG_I: Configured from console by web(192.168.50.117) *Dec 28 09:50:37: %SYS-5-CONFIG_I: Configured from console by web(192.168.50.117)</pre>			

1.3.8.8

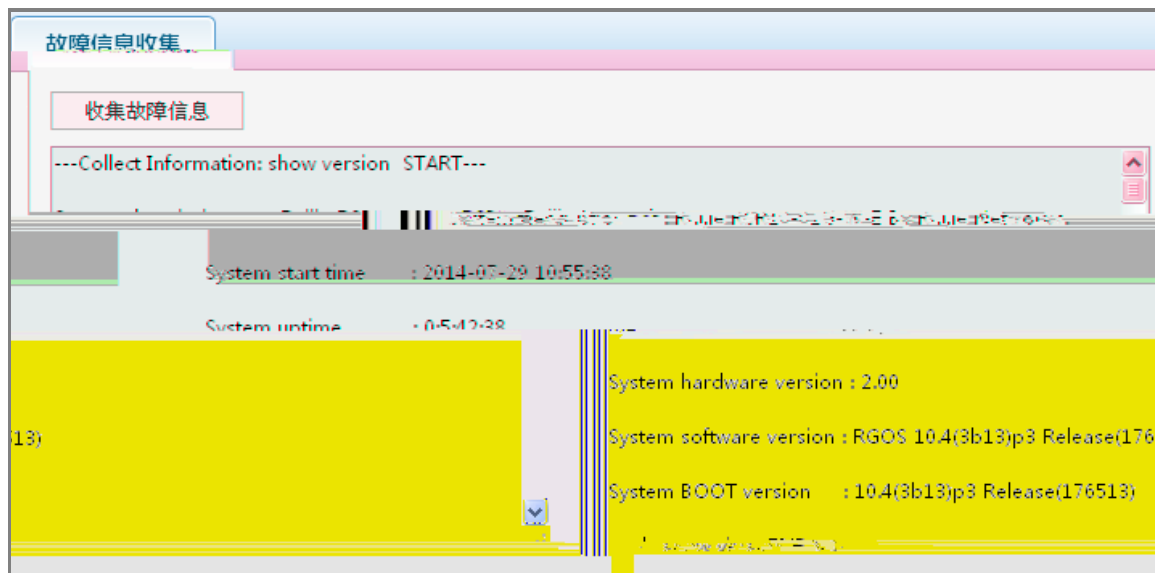
Ping

“



1.3.8.9

1-90



1.3.8.10

1-91



1.4

1.4.1

WEB

1-92WEB



1-93 WEB



1-94





1.5

1.5.1

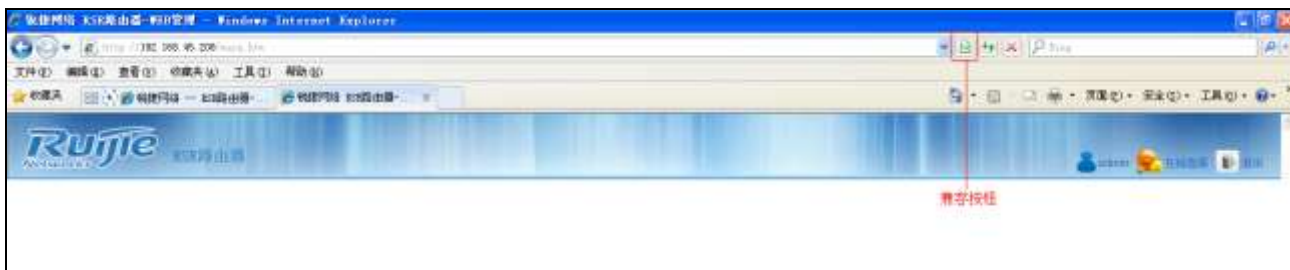
WEB

1.5.2

WEB

IE

1-96



IE9.0 IE10.0

WEB

CPU

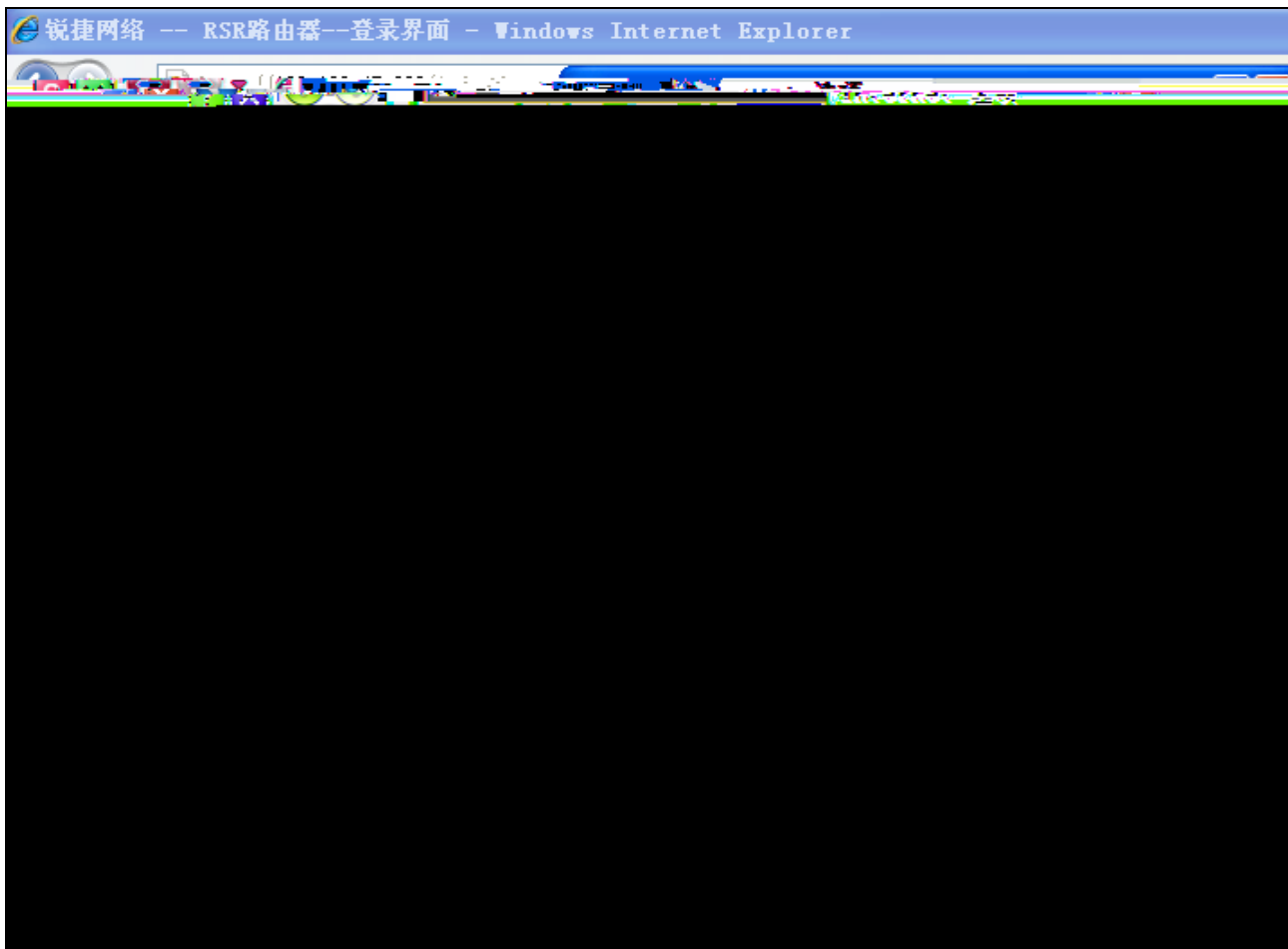
1.5.3 WEB

WEB

WEB

IE

1-97 IE



" " " "

WEB

1.5.4 WEB

1 PC Ping

WEB

WEB

1-98WEB

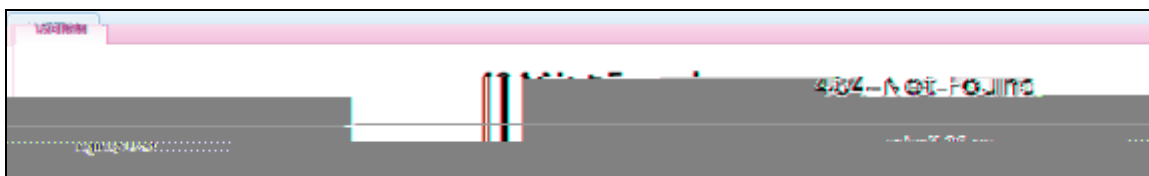
```
Ruijie(config)#show service
ssh-server      : disabled
telnet-server   : enabled
web-server      : disabled
web-server(https): disabled
snmp-agent      : enabled
```

" disabled" WEB " enable service web-server all" WEB

2 PC Ping PC IP

3 " 404" WEB WEB

1-99



1.5.5 WEB

WEB 10 WEB 10

10

1.5.6

18

PPPoE 4 Dialer

SVI 2 SVI

VPN 3-5 Virtual-PPP

3G