WEB ヽ Ᵽ

RG-RSR10-01G-E,810 ヿ ص ⊦

RGOS 10.4(3b48)

○ V2.0

un

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 ۷ Ᵽ

1.1 ڀ

´ ĺ ᾰ ⁶ گ ז RSR810 RSR10-01G-E ⅵ ٿ ‧

1.1.1 ٦

WEB ٦ ת ڝ ז ╞ ɳ ḅ IE Firefox Chrome ⅳ ٦ ת ⅃ ⅄ Ф ﾆ ḅ ٿ ‧ ᾶ Ὤ ɭ ז Ⅵ Ф ﾆ ڀ ⅃ ώ ̃ ז ớ

WEB ٦ ת ύ WEB

˜ ႺⱣ

WEB ⅃ ٦ ҭ WEB ╞ ɳ ˋ ẹ ȹ ꜟ ڽ ص WEB ٦ ת ף ˛ Ḿ ȹ ꜟ ف Ф ٦ ת

╞ ɳ ˜Ḥ΄Y ἰ ჵ IE ♀ Firefox ظ ₵ Chrome ' Safari ֆ ᶢ IE ⁄ ╞ ɳ (ḅ ▫ Maxton) ҭ Ḝ ╞ ɳ ˋ ẹ WEB ٦ ת ̀H ἵ א ˛ ᾰ Ἇ ج ئ Ⴗ ầ Ẃ

ﭒ ' ﭒ ' ȹ ⅃ ˛ ȴ ⁝ ῭Ω PC Ĭ˜ ⁒ ɳ ˛ ḧ ˝ ڽ Ĭ˜ ấ ɳ ﭒ ' ȹ ⅃ 1280*1024 ᾰ Ḵ Ṝ Ĭ˜ ấ ɳ ﭒ ' ȹ ⅃ ᾰ 1440*900 % ﭒ ' ╞ ɳ WEB ῳ ' ῳ Ḝ ﭒ ' ἵ א ῭ ˛ Ḿ ش ˇ ɥ Ⴗ ầ Ẃ

1.2.2 ˥ ˧ ⊦ ˥

ʎ ừ ‚ ت ˈ WEB ̀O ἵ ἷ Ȁ ˆ ȭ ȹ ꜟ ٦ ת ὶ ἷ GE0/0 ὶ ἶ ὶ IP 192.168.1.1 Ḏ ⅃ ó 255.255.255.0 WEB ٦ ת ن ῎A admin Ḻ admin ᾰ Ṅ س ɑ ب ⅃ ⅃ ⅃ ˧ ȹ ⅃ ℓ ج Windows XP

WEB ˥ ה ف ˥

ἵ ≠ ớ	ʎ
WEB ̀O ˆ ȭ	Ȁ
WEB ٦ ת ὶ	GE0/0 ᾰ VLAN1 ٦ ת IP 192.168.1.1
WEB ٦ ת ن ῎A	ҭ ῎A admin Ḻ admin ҭ ῎A guest Ḻ guest

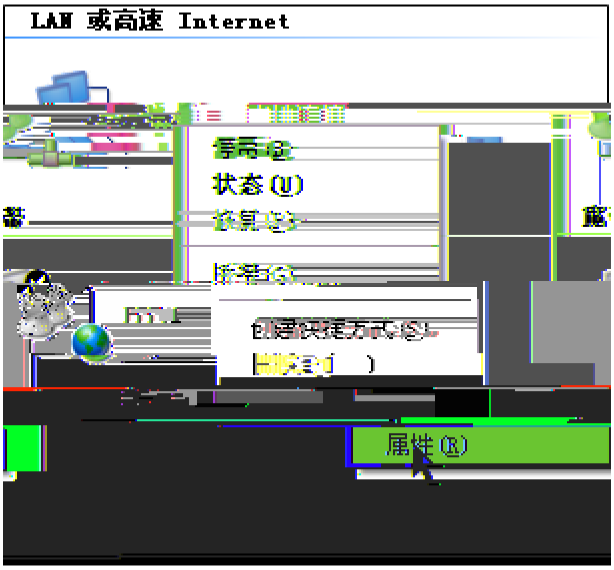
ˈ RSR810 RSR10-01G-E ȹ ꜟ ≡ ῶ Ṗ ᶿ ὶ ɟ % RSR810 RSR10-01G-E ȹ ꜟ ٦ ת ὶ VLAN 1 ⅃ ˧ ὶ Ṗ ῎Ω ʠ ɥ ڏ ȹ ꜟ WEB ٦ ת ˧ ˥

ℓ ج ˛ ɑ ḭ ῎A Ⴗ PC ت ˈ Ṯ כ ҭ ⅃ ˧ Ṅ ḭ ῎A Ⴗ PC ⅃ ت ˈ GE0/0 ف ὶ ڮ ف ὶ ᾰ ȹ ꜟ ٦ ת ὶ ˆ ȭ ˝Y˜ ♂ ǳ ᾰ ˥ ᵱ ڮ ˝Y˜ ♂ ≡ ῶ ᵱ ἵ ἷ ⅃ ˧ ᾰ ḭ ῎A Ⴗ PC ⅃ א ῴ ڬ

ℓ ج ȹ ⅃ ḭ ῎A Ⴗ PC IP ʂ ҳ ῎Ḥ ℓ ج ḅ

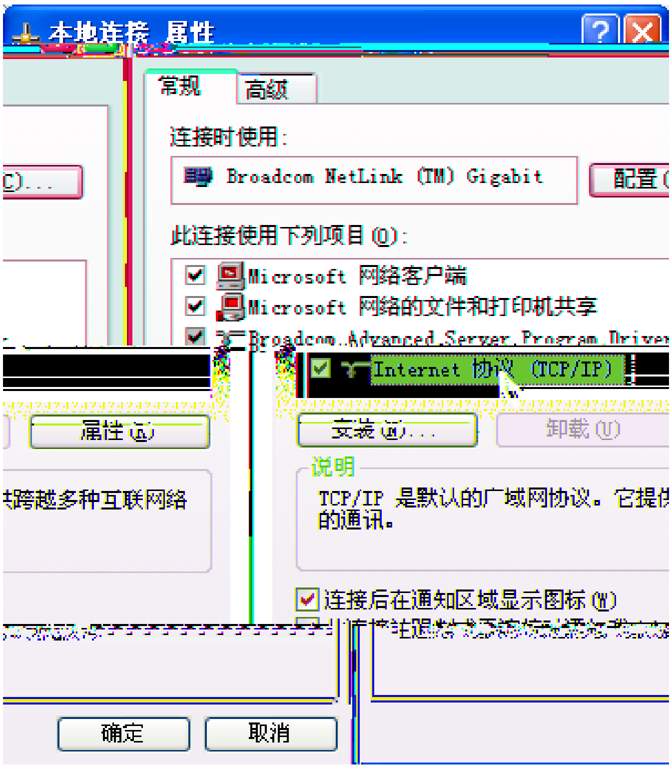
Ṅ ش ‰ Ⴙ PC ṫ ư ᵱ " ȂḊ " -> " ί ˛ — " -> " ⅃ ˥ Internet ف ὶ " -> " ⅃ ˥ ف ὶ " ḅ ǥ

ǥ 1-1



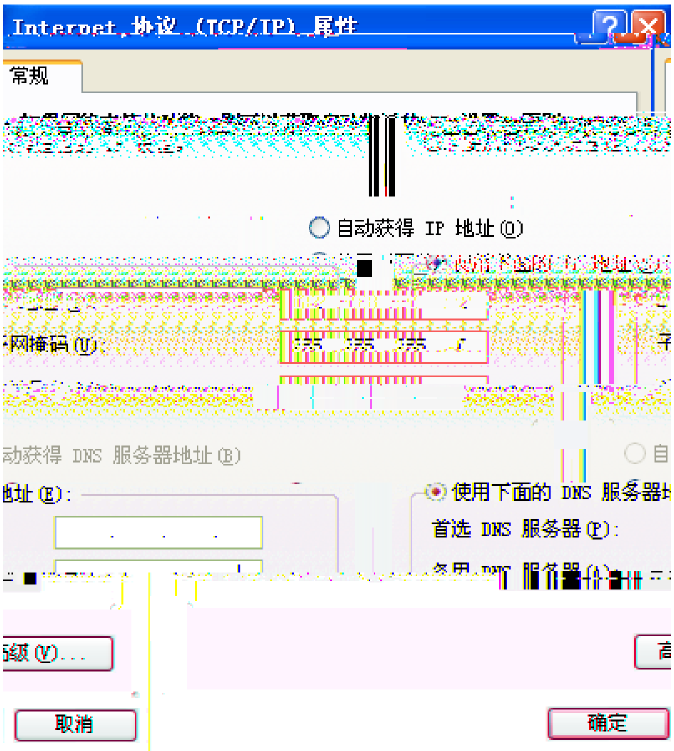
ش‰ ﭽ ” ş ﻓ ì ” ꝑ ẫ ă o ” Ɽ ớ ” o Ĵ ” Internet ɲ TCP/IP ” ḅ ġ,

ġ, 1-2



“ Ɽ ớ ” ˜Y ﭽ ȸ ˩ ị ῎A ˧ PC IP ş ӿ

ꝑ “ Internet ɲ TCP/IP Ɽ ớ ” Ḿ ʕ↑ ᵖ Ĵ “ ɿ ˛ IP ş ӿ ” ꝑ “ IP ş ӿ ” ˡ 192.168.1.xxx xxx ḅ 2 254 “ Ḏ ˩ ọ́ ” ˡ 255.255.255.0 “ ݜ ɲ ˩ ” ˡ



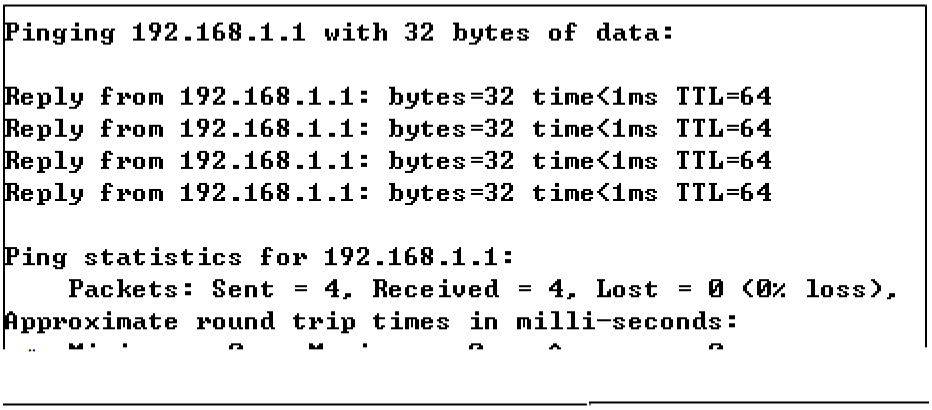
ﺑ ت ﺑ ￼ﺱ ŋ IP ȿ ɉ 192.168.1.1 ɟ % ȋ ˝A ˧ PC ￼ IP ȿ ɉ ω ť 1, “˛ ḧ ” Ḣ ᾰ ﻝ ﺏ

PC

Ṅ ش‰ ﬖ PC￼ ṫ ư “ ÀḊ ” -> “ ظΦ ” -> ﭽ “ cmd ” ->˛ ḧ ”

ᵽ ώ˜ ˧ ʔ ping ╜ ⁏ ῐ ﻕ ﯖ ˝EΦ ping 192.168.1.1 ḅ ' Ĭ ˜

ɡ, 1-4 ﻕ ì ᾰ



ɡ, 1-5 ﻕ ì˛ ﻡ

```
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),
```

ﻻ ف ٱ ، م 5ٱ

ٺ ٦ ‗ — ĩ ‶A ٦ PC ف ٦ ‶Y ♂ ٱ ٧ ‶Y ♂ ' ˜ ꜔ ת ف ٱ * Ẃ ‶Ω ⁞ ɹ ɻ

5ٱ ك TCP/IP ф ɹ ٱ * .

5ٱ ٺ ٦ ٱ Ṯ ɹ כ

1.2.3 ﬂ WEB ᛇ ᛋ

ᵽ ф ꜝ WEB

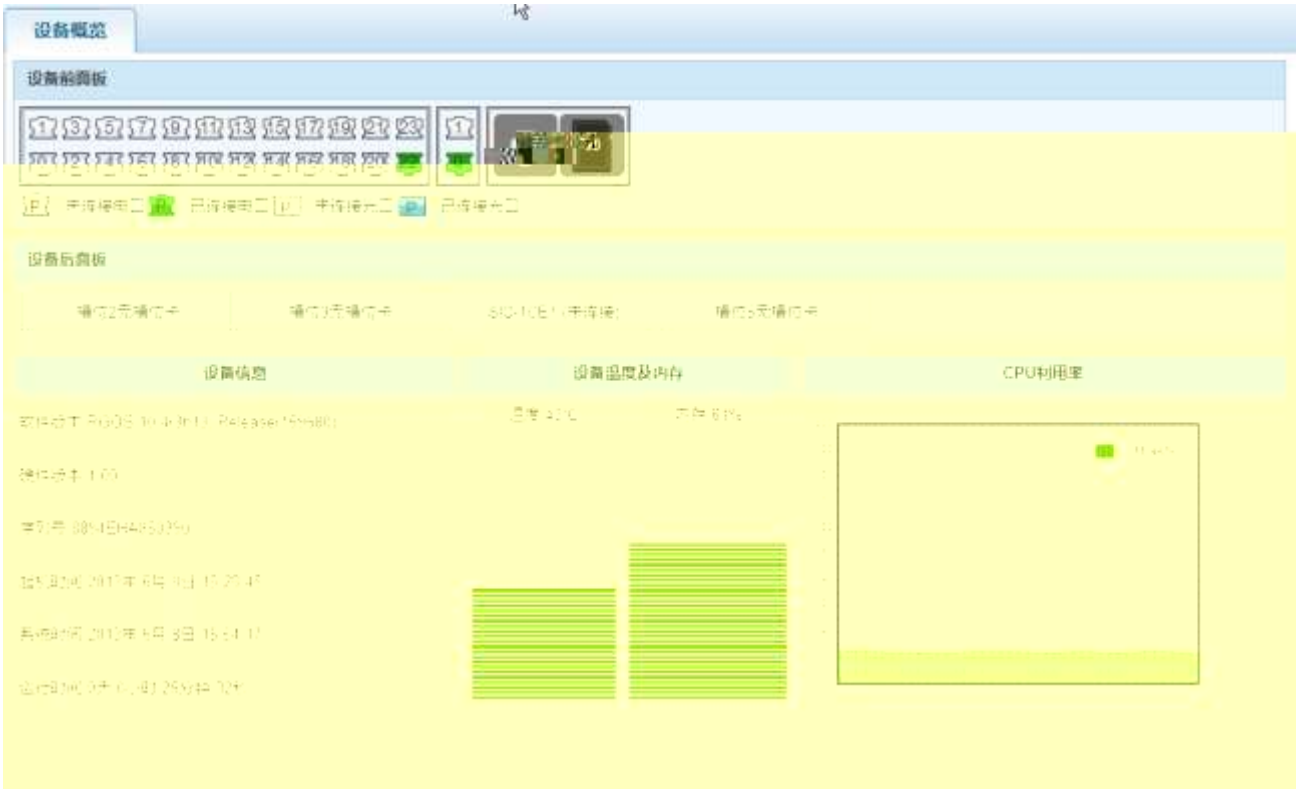
1.2.4 WEB ꜛ ڪ ٦

1.2.4.1 ꜛ ڪ ნ

RSR ث ٔ WEB ҩ ͙ ṵ ṕ ḅ ჹ ̈A ̃

ჹ 1-8 WEB ҩ ͙ ³

ჹ ³ ˜ ṫ ⩘ ⩘ o ″ Ά ﮃ ³ o ‰ ʮ ̎ Ẹ o ^ ‰ ʮ ̎ `H ﺼﭖ ‰ ʮ ̎ ‰ ی ꝑ ⩘ o ̈Ω‰ ʮ ̎ ‰ ʮ ̎ Ά ³ ﺐ ﺭ ٦ ת ³ ĩ ф ﺐ ﺭ ٦ ת ꞁ̈Ḥ Z ჶu ⩘ ﻑ ﻟ A] —



ت ۰ ф ۱ õ ì USB ф ۱ ǎ ȧ SD Ȟ ф ۱ ₦ ɳ ɒ ̧ é Ǐ ˜ USB SD ɡ‰ Ǐ ˜

1.3.2 ᐟ ᐠ ف ᐟ

ɳ ص ᐧ ᐟ ư ف ۱ ژ ɡ ɳ ؀ ؀ ȕ ǐ ᐧ ؀ ì ṕ ³ ᐧ ؀ ư ˜ Ḿ ǐ ᐧ ؀ ì ^ ᐠ Ά Ã ɻ ȕ ADSL ì DHCP õ IP ş χ ì ɖ ĥ ᐧ IP ş χ ì ǐ ɳ ᐠ ɔ ؀ 3G ᐧ ᐟ ì ɻ CE1 ᐠ ᐧ ᐟ ì Ά Ã Ḿ ṕ ³ ᐧ ؀ ư ˜ ḫ א Ḿ ṕ ³ ᐧ ؀ ف Φ õ IP ş χ ب VLAN ؀ ̃ VLAN ژ ؀ ǐ ɳ

1.3.2.1 VLAN ᐠ Ᵽ

VLAN ᐠ Ᵽ

VLAN ǐ Ɔ Ȯ ṕ ³ ᐧ Virtual Local Area Network ؀ ᐡ ᐠ ǐ ˝ Y Ń ǎ ^ Ṕ Ȣ ˝ Y ĥ VLAN ؀ ă Ȁ ã ف ì ف ᐠ ؀ ᐧ ᐟ ۱ ᐠ ă Ɔ Ȯ ᐧ ᐟ ḫ א ɳ

ɡ 1-10

1.3.2.2

PPPoE(ADSL) DHCP IP IP IP

PPPoE ADSL PPPoE(ADSL)

DHCP DHCP DHCP IP

IP IP IP

PPPoE ADSL DHCP IP

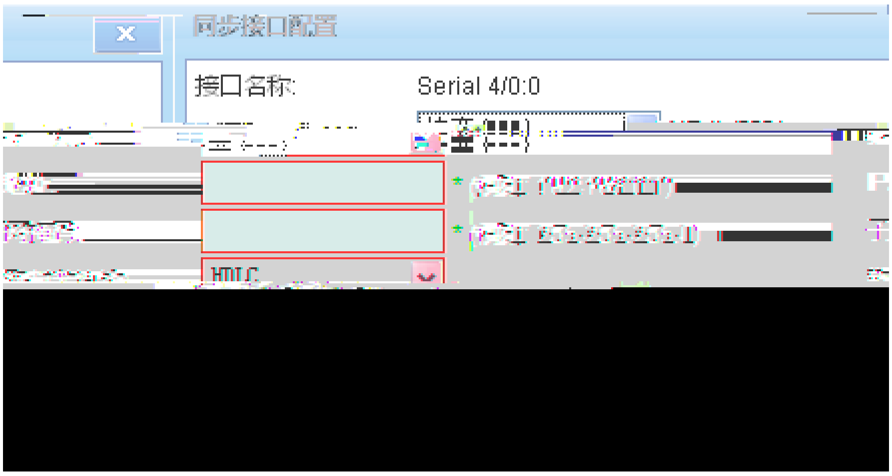
1-11

PPPoE(ADSL) ADSL IP IP

1-12

ℓ Ḏ ì ẵ ặ ƥ ì ῼῼ ́ ℮ " ⅓ ڙ " Ÿ ٿ ڨ Φ Ḿ ℓ Ḏ ì ڀ ⅃

g, 1-13



ℓ ڀ ⅃: ℓ ì ɯ ɲ ừ Ṟ ᵁ ⅃ ̃Ḥ'Y ̿ ȭ ڀ ⅃ IP PPP IP Ṫ ₩Ẫ DTE ῼῼ ⅃ ⅂ ₿ ᵎ DCE ῼῼ ڽ ₿ ᵎ ⅂ ₩Ẫ ˇ ừ ٿ ᵎ ṅ ‣ DTE ứ %`H ₿ ᵎ ẃ `H ٿ ḭ ' ق ⅃ ῼῼ ڴ ặ ì ẉ Ṫ ặ DCE ứ `H ọ ɕ ẃ `H ٿ ḭ ' ق ⅃ ῼῼ ڙ Ṫ

g, 1-14

ş ӽ DHCP n ȭ IP ş ӽ PPPoE ῞O ˛ ấ SVI ì ọ ء ώ̉ Ẕ VLAN ID پص " ɖ ῞Ω ì " بڑ Ẕ VLAN ID

PPPoE ADSL ῞O ì PPPoE(ADSL)῞O Ά Ẫ ì ˛ ˛ ظԴ ʃ n ű Ḻ

DHCP Ά Ẫ ì ΄ ì J̌ DHCP Ά Ẫ ì پص DHCP ɳ SVI ì ₅ ظԴ ʃ n ɺ IP ş ӽ

ɖ ӥ ɺ ş ӽ ì ɖ ӥ ɺ ş ӽ ì ˛ ˛ ظԴ ʃ n ì ɺ ş ӽ ﺳ ŋ ɺ ş ӽ

PPPoE ADSL ῞O DHCP ɖ ӥ ɺ ş ӽ ì ї ɺ ˛ ˛ ė ῞Y ӥ ﺳ ŋ ٺ ɺ ˛ ş ӽ چ῞Ω h

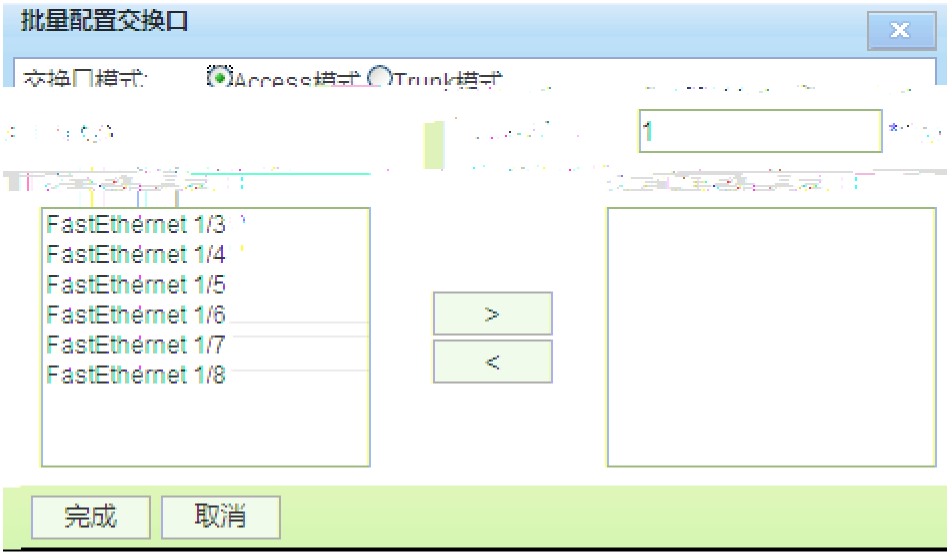
ɡ, 1-16

J̌῞O " ǭ ȭ IP ş ӽ " ɺ ş ӽ ì ΄ ì Ҝ ڗ ӽ ̈ ì ƌ Ʒ ȭ

ṗ ﺐ ﺎ Trunk ΅Ω ̀H ﺔ ₽ ͺ— ΅Ω ᶃ‰ ᶅ ȥ ӑ ▄ Ő ﯾ ꞁ Ő ᴴ Access ₩Ã ₽ ₭Ő ᴴ ᾰ ȥ Ά ΅Ḥ ̀Hڧώ "ῆ ﺐ ﺎ" "ﻻ ڗ" "Ő ᴴ ﺐ ﺎ" ﻴ ί

ῆ ﺐ ﺎ ῗ΅ΥḾ ﺎ ₩Ã ΅Ω ф ﺎ ṗ VLAN ₽ "ῆ ﺐ ﺎ" ΅Υٹ J̌΅Ο ꞁ ф ﺎ ΅Ω ὶ ₩Ã ڗ ṗ VLAN ﺗ %ῆ ﺐ ﺎ ώ ΅Ω ѽ ὶ ₩Ã ﯾ ꞁ ώ ί ﺺ ḑ ΅Ω ὶ ώ₩Ã

ᶃ 1-18 Access ₩Ã



ᶃ 1-19 Trunk ₩Ã

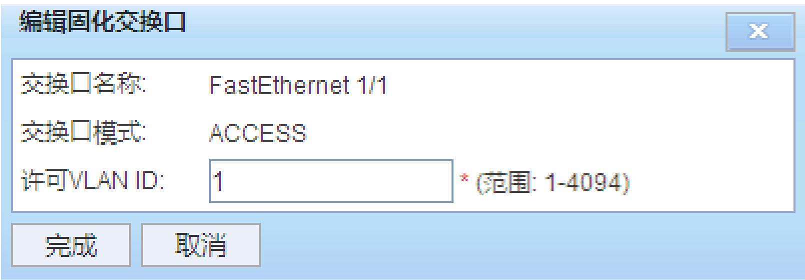
[redacted]

ǰ"O Access ₩Ã`H ֆ ꜝ "Ω ˜ א Access ₩Ã "Ω ᾰ Trunk ₩Ã "Ω א

ǰ"O Trunk ₩Ã`H ֆ ꜝ "Ω ˜ א Trunk ₩Ã "Ω ᾰ Access ₩Ã "Ω א

ﻼ ڗ ĩ"Y ¡ Ḿ "Ω ֆ ﻟ ꝑ VLAN ᵽ " ﻼ ڗ " ˜Yٽ ڙ ꝑ VLAN ٳ ٲ "Ω Ṯ ֆ ﻟ ﺹ VLAN ´ ì ḩu ˝ VLAN

ց 1-20



ﺱ ռ ﺐ ﻟ ĩ"YỠ ᴴ "Ω ﺱ ռ ﺐ ﻟ ꝑ Ỡ ᴴ ﺐ ﻟ ﺹ ٳ VLAN ≡ ῶ զ ﺕ ᾰ SVI ì ꝑ %ﺹ ٳ զ ٹ ɨ % ē ẍ ³ ﻟ SVI ì ṕ ³ ﻟ SVI ì ﹳ— ì א

ᡏ SVI

ﻥ ﺹ VLAN ᡏ ת ḫ א VLAN ڙ ﻥ "Ã ῶ ꝑ IP Ḏ ﻟ Ṟ VLAN VLAN ڙ ﻥ ց ọ ء ﻥ ﺹ Ṗ ì ḫ א VLAN ڙ ﻥ ᾰ SVI ì Switch Virtual Interfaces "Ω Ն 'O ì ٲ ڤ Ф VLAN ڙ IP ٺ ٰ ڗ VLAN ڙ ﻥ

ց 1-21

ṕ ³ ⅃ SVI ì ⸤ ˝Y ȟ ì IP ș ӽ Ḏ ⅃ ọ́

ẙ SVI ì ˝Y ȟ ṕ ³ ⅃ ì ẍ ³ ⅃ SVI ì ₅ ڭ ᏎÍ ì

ẙ SVI ì Ḿ Ẕ VLAN ≡ ῶ ˝Ω ⅃ ȟ ᵽ ▌ٹ ب ⅃ ῾H VLAN Ṅ ɋ ٹ Í ⅃ ῀ SVI ḡ Ɑ Ṅ ȅ ᵽ

ṕ ³ ⅃ SVI ì ⁝ ˝Ω VLAN ID ̥ ẑ ṅ ῳ ^ ḯ Ĭ ˜ 18 SVI ì ḡ ‰ ɰ Ĭ ˜

1.3.2.4 NAT ق ᗑ

ᗑ ᗒ ں

ڽ ص ⅃ ᗑ ș ӽ ڃ ˝Ω NAT ẖ א ⅃ ᒣ ῶ ș ӽ ڃ ˝Ω ᾰ | ⅃ ș ӽ ẖ א ȉ ⅃ ì NAT ᓓ ᾰ ᓴ ĩ “ Network Address Translation ” “ ⅃ ᗑ ș ӽ ڃ ˝Ω ” Ḝ ᵽ ῏Ω ‗ ז IP ș ӽ א ᵽ Inm61.5 66A05 790.32 Tm0.6 g0.61 9

ѫ ռ ừ ᵽ ̈A õ ѧ ş ϰ ჭ Ω ̈ ʏ ᵼ ι ں • ѧ ş ϰ ჭ Ω ̈ H ᵽ % ̈ Y ḧ ں ჭ ̈ Ω ѧ ş ϰ

ᴖ ᴠ ~

ᵽ ت ᵌ ѫ ռ ϕ ɹ ẍ ³ ɹ ᵒᵇʲ ĺ ´ ì ṕ ³ ɹ ᵒᵇʲ ̀ O ف Φ ף ̈ A ẍ ³ ɹ ᵒᵇʲ | ᵵ ̈ A ևւ ڈ ş ̀ O ̀ H ι ĭ ṕ ³ ɹ ሀ ɳ ت ᵌ ώ ɹ ᴖ ş ϰ ᴖ ī ṃ ĺ ث Ę ḧ ĵ ɹ ş ϰ ᴖ ī ṃ ṕ ³ ɹ ş ̀ O ᵒᵇʲ ş ϰ ᴖ h ł ϕ ḧ ᵒᵇʲ ɹ ş ϰ ᴖ ώ ̈ Ω ̃ Ω ף ص ī ṃ h ჭ ᴖ ṕ ³ ɹ ᵒᵇʲ ̀ O ف ̄ ỗ ḫ ϰ ṕ ³ ɹ ̀ O Ḿ ᵘ ώ ̀ O ᵒᵇʲ ĺ ̀ H ẽ ṕ ³ ɹ ሀ ᵒᵇʲ ɹ ᴖ Ḡ

g, 1-24 ᴖ ī ṃ

ī ṃ ᵻ ʒ ᴖ ī ṃ ã ̃ Ω ī ṃ

̀ O ɲ ت ⁞ ̃ Ω ₄ ι J̌ ̈ O TCP ã UDP

ᵘ ɹ IP ẍ ³ ɹ ᵒᵇʲ IP ş ϰ þ ' J̌ ̈ O ì ᵘ ɹ ì ̈ A õ ᵒᵇʲ IP ʠ u ī ṃ

ᵘ ɹ ᴖ ẍ ³ ɹ ᵒᵇʲ ᴖ ¨ þ 1₆ 65535

ɹ IP ι ī ṃ ᵘ ɹ ᵒᵇʲ ɹ IP ף Ẃ ĩ ύ ᵒᵇʲ O IP ş ϰ

ﾑ ﾒ ﾅ ī ṃ ᵁ ﾑ￼ﾒ ᵥᵢᵢ ḅ 1₆ 65535

ġ 1-25 ῞Ώ ī ṃ

ᵁ ﾑ IP ẍ ³ ﾑ￼IP ş ҳ ḅ ʿ J̌˝O ì ᵁ ﾑ ì ˝A ὣ￼IP ʤu ī ṃ

ﾑ IP ﾅ ī ṃ ᵁ ﾑ￼ ﾑ IP ५ Ẃ ĩ ứ￼˝O IP ş ҳ

1.3.2.5 DHCP

õ ȹ ﾑ ɲ Dynamic Host Configuration Protocol, DHCP ĩ ṕ ³ ﾑ￼ﾑ Ɥ ɲ DHCP ˝O ṕ ³ ﾑ ὣ õ IP ş ҳ ب ȋ ̈ ب ﾑ ﾅ ȋ ὑ DHCP ȋ õ بIP ş ҳ ̄ õ ﾑ ȟ IP ş ҳ Ꭰ IP ş ҳ ḭ ˝A ﾒ ˜

DHCP ʎ

DHCP ȋ ḫ ʯ DHCP ˝O Ȁ ᾰ ڈ

ġ 1-26

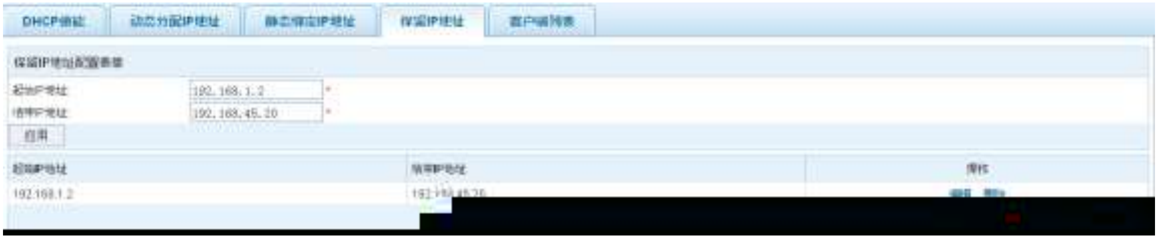
ف IP

õ بIP ş ҳ ὑ ﾅ ب￼ş ҳ ﾑ ɨ ḭ ˝A ﾒ n ￼ﾑ DNS ş ҳ ﾓ ﾅ ب￼ş ҳ ﾑ ɨ LAN ￼ì ˝Y ﾑ ɨ ȋ ş ҳ ب ᾰ

ġ 1-27

ꝺ IP ş ҳ ｨ Ḿ • ﾑ ﾖ IP ş ҳ ᾰ • ﾾ ῆ IP ş ҳ ں ٻ ꝺ IP ş ҳ ῐ ɋ ｨ ﾑ ﾊ Ա ῃ Ḝ ȸ ﾞ IP ş ҳ ȸ ｣

ᶃ 1-29



Ɣ Ḋ IP ş ҳ ɋ ꝺ Ɣ Ḋ IP ş ҳ

ﾚ IP ş ҳ ɋ ꝺ ﾚ IP ş ҳ

Ɣ Ḋ IP ş ҳ ﾚ IP ş ҳ ̀H ῐ Ḿ ﾾ ῆ IP ş ҳ ں ٻ

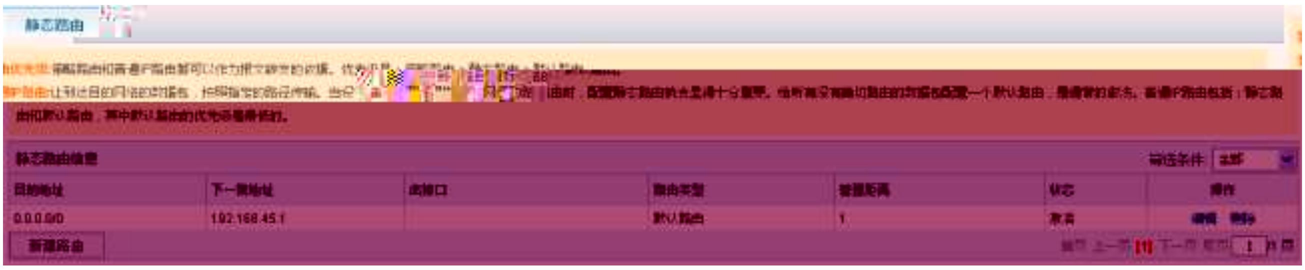
1.3.3 ص ト ق ᐱ

1.3.3.1 ک ص ト

ت ꜝ ĩ ǰ ̈O ᚼ ῳ ت Ê ̈H ̈Ώ ̆Ω ◊ ş ᵽ گ ´ ş ᵽ Φ ̄ ȭ ت ꜝ ĩ ꜝ ɺ ᕕ ᒣ ת ἐ ب ɺ ᒧ ꞔ e ت ꜝ ῶ ⅶ ځ ῷ ، ⅵ ᵽ

̄ ȭ ت ꜝ ჶ ´ ɺ ᕕ ȍ ȅ ῳ ᾰ̈ ₅ ᐞ ꞁ ɺ ᕕ h ₩ ڍ ṇ ȍ ȅ ɺ ̲ ȡ ḧ ɺ ᕕ Ḝ ɺ ᕕ ȍ ȅ ɺ ̲ ᾰ̃ ج ت ꜛ ȭ ꜝ ̀H ɺ ᕕ ᒣ ת ۓ ꞁ ἐ ῳ ت ꜝ ˜ ̓ ̄ ȭ ت ꜝ Ụ

g̦ 1-21



̄ ȭ ت ꜝ h

´ ş ꭓ ´ æ

´ ￼ş ҳ	´ ￼ọ	0.0.0.0 ￼ټ ٰ ﺳ ɳ ټ ٰ
	ٻ ş ҳ	ỉ ọ ﺀ ῶ ˚ զ ٻ ﻠ ᾰ ᾰ ˚ ʠٻ ﻠ

g 1-22

1.3.3.2 ˥ ǃ ﺻ ꜔

ﾚ ﯩ ټ ٰ PBR Policy-Based Routing ώ ˥ ⅝ ᵍ ´ ￼ş ҳ ڦ Φ ټ ٰ ﭺ ˜ ꜀ ╗ ￼ʿΏ ʿΩ ټ ٰ ﭺ ﾚ ﯩ ټ ٰ ⁞ ʿΩ IP ĭ ᾰ ◊ ş ҳ ﾚ Ụ ꜀ ╗ ş ڦ Φ ټ ٰ J̌ ʿO Ḕ ﻠ ᕕ ỉ ᴧ ظ ʖ ﻠ ᕕ ʿH ﺶ ⌊ ῶ J̌ ʿO ό ￼ڦ Φ ĭ ᾰ ﭺ ﹷ ʿA ỉ ﻠ ᕕ ڧ ʿH ﾚ ﯩ ټ ٰ ĭ Ḕ Ḅ ￼J̌ ʿO

g 1-23

ﾚ ﯩ ټ ٰ h

ﾚ ﯩ Ẕ ﹷ ỉ ĭ ᾰ ٻ ﾚ ﯩ ῶ ῷ￼ ỉ

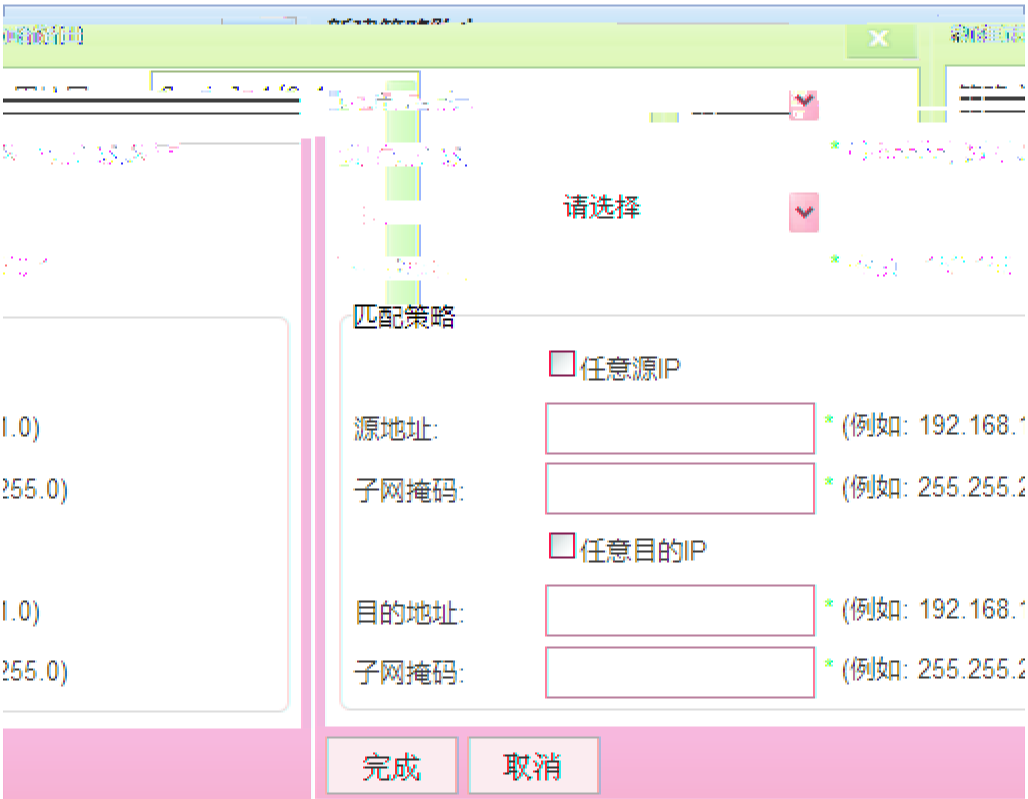
ﾚ ﯩ ᕗ ﾚ ﯩ ﻠ￼ ﾚ ﯩ ټ ٰ h ᕗ ʿΏ ٩ ɳ ᕗ ٩ ﭶ

ٻ ĭ ᾰ ʿA ٻ￼ʿΏ ʿΩ ĭ ᾰ ◊ ş ҳ ´ ￼ş ҳ ʿY ḧ IP ʿH ﺶ ⌊ ڗ ﻠ ᕕ ş ҳ Ḏ ﻠ ọ

ỉ ֆ ḧ ʿΏ ʿΩ گ ￼ỉ

ب ş ҳ ˝Y ħ IP ş ҳ ث ˈ ℓ Ṅ ˀ ˡ ˝Ω˜Ω چ	ĺ ş ҳ
Ḝ ˝ ٻ IP ث ˈ ˥ ⅀ ث ˈ ˋH ȅ ƥ ừ , ȉ ˥ ⅀ ث ˈ چ	

ꞡ 1-24



1.3.3.3 RIP ص ⊦

RIP(Routing information Protocol) ȉ Ȥ ȉ ۣ ˊE ȉ ۣ ˝ ى ɥ ɭ ŋ (Interior Gateway Protocol, ˥ ˀ IGP) ȉ ʒ ˈ ˜ ۣ (distance-vector) ŋ RIP ٻص UDP ȉ ӑ ˝Ω ث ˈ Ụ ȉ ӑ ⅛ ث ˈ Ṅ ˪ ẹ ڗ ث ˈ ˝Ω ĺ ɰ˝Ω ȉ ŷ ۣ ث ˈ ˈ ˜ ˈ ◊ ˊ ɭ ڗ ˝A ˪ ɭ ص ث ˈ ˝Ω´ ѡ ^ 15 ɫ % Ḝ گ ȉ ŋ ʒ ˧ ɭ ʌ ɭ Ẃ Ȥ ȉ ƥ ῴ ẗ ڧ ˉ ŋ ʒ

WEB ˪ ђ ℵ RIPv2 ˈ RIP ŋ ٻص ȉ ɭ ʌ ş ҳ ȇ ƥ ĺ ɭ ʌ ş ҳ ђ ì RIP ظ Φ ɫ % WEB ب ɭ Ά Ȃ ȉ ì ȉ ɭ ʌ ş ҳ ђ ℵ RIP ȉ ɭ ʌ ş ҳ ب ɭ ˛ ˪ ├ Y ȉ ǫ ء ȸ ɭ ì IP ş ҳ ȉ ì ş ҳ ì ῃ │ ظ Φ RIP ŋ

ب ɭ ì IP ş ҳ ب ɭ RIP

RIP

ẵ RIP ڧ ˀ

ڗ ٿ RIP ڧ ˀ Ẋ ٿ ڧ ˀ ˝A ῶ ب ɭ

ڙ ڤ ٳ ڻ ڤ ٳ ̓ ￼ ̈A ѿ ٻ ڒ

ɠ 1-25

ڧ ˦ **RIP**

ֆ ៹ ì ˜ ủ ɖ ᶿ ٹ ˈ ì ℓ ì Ḓ ì ầ ℓ ì VLAN ì

ẟ Φ RIP ì ˜ ۑ ص ì n ì ʂ ӿ ḫ א RIP ڶ ᅦ ʂ ӿ ȉ

ᵱ ۑ ȉ ᾰ ᵱ ì ᵁ ۑ ʂ ٹ ˈ

̏ ฿ ۑ ȉ ᾰ ̏ ฿ ì ᵁ ۑ ٹ ˈ ǐ ì ḙ ᵁ ɰ ٹ ˈ ǐ ۑ ʂ ٹ ˈ

ɠ 1-

ص ၊ ₲

ث ၊ ∆ Ở 1ˊ ω ŋ ĩ ⌠ Ầ ꜛ õ ḅ ' ῶ ∆ ĭ ث ၊ è ꞵ ꞵ ث ၊ ˊ Ṅ˜ ꞵ ∆ ĭ ث ၊ Ḓ ث ၊ ف¯ ᶾ ᶾ
ﻟ ṇ ث ၊ ˊ h ₩ ĺ ﻟ ˇ ˪ ꭗ ث ၊ ∆ ĭ ث ၊ Ụ

ƍ 1-28

1.3.3.4 OSPF ص ၊

OSPF Open Shortest Path First Ầ ῲ Ẫ ω˜ ث Ể ĩ ˧ ꝕ ﻟ ŋ (Interior Gateway Protocol,IGP), ꞇ ꞵ ₅ ⌂ ³ Autonomous System ث ၊ ڗ ᶙ ث ၊ Ụ Ḝ ĩ ˧ ق ì ꜛ õ ŋ , ꞵ ج ث ꜛ õ ẍ Ḥ Ὼ Ὼ H H Ṅ ث ၊ ẍ Ḥ • ₅ ⌂ ³ Ά ῶ ث ၊ ф ꜝ ف ῶ ' ˜ ˜ ᶥ ŋ (RIP) OSPF ῶ Ḥ Y ᶾ ʒ ﻟ ʎ ث ၊ ῲ Ὼ ȍ ꞇ ﻟ ʎ ˚ ◊ Ṉ ˥ ᵖ ﻟ Ẃ Ẕ ꞇ ꞵ ᶾ ʒ ﻟ ʎ ע ˪

၊ OSPF ŋ ṷ ص ﻟ ʎ ʂ ẋ ³ ệ ꞵ ĺ ﻟ ʎ ʂ ẋ ḅ ì OSPF ظ Φ ꞁ % WEB ب ﻟ Ά Ẫ ĩ ì ĭ ﻟ ʎ ʂ ẋ ḫ ꭗ OSPF ³ ب ﻟ ﮿ ˪ ├ Y ĩ ọ ﻉ ф ﻟ ì IP ʂ ẋ ĭ ì ʂ ẋ ì ῃ │ ظ Φ OSPF ŋ

³ H ³ ID ʌ ǵ ³ ID ₇ ³ ﻟ ʎ ʂ ẋ ɘ ọ ﻉ ꞵ ﻟ ɘ OSPF ظ Φ ῃ ῷ

OSPF

ã ospf ق ˥ ω ŋ ق ˥ ID “ 1 ”
ڗ ث ق ˥ Ẋ ث ق ˥ Ά ῶ ب ﻟ

ƍ 1-40

OSPF

ф ˈ ì ˊ ὑ ɖ ᶿ ت ˀ ì ℓ ì Ḏ ì ȁ ℓ ì VLAN ì

³ ì ˊ ڼ ص ì n ì ʂ ҳ ḫ א OSPF ɹ ʍ ʂ ҳ ἶ

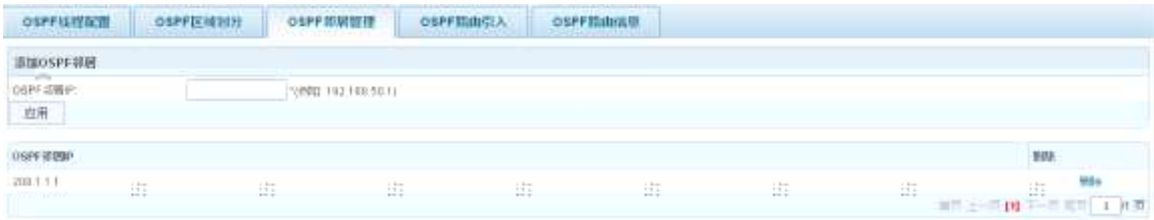
˝Y ḧ ³ ɹ ˝Y ḧ ɹ ʍ ʂ ҳ ³

ց 1-41

OSPF ظ ˥ Ᵽ

˘ ὑ OSPF ظ Φ ע ˪ ĩ ᵽ ẍ Ḫ ɹ ʍ ע ˪ ɫ % OSPF ឃ Ḣ ᾰ ὃ ḫ א ³ ڗ ت ˀ ḛ Ḿ ˚ ẍ Ḫ ɹ ʍ OSPF ĩ ṇ | ḫ א ت ˀ ḛ ɫ % ɹ ʍ ɹ ʍ ڗ ὃ ṇ | ڼ ḫ א OSPF ἶ ˚ ẍ Ḫ ɹ ʍ OSPF ώ ʌ ṗ ˥ ת ἵ ڼ ص ἐ Ṫ ա ʌ ṗ ḫ א ẍ Ḫ ˚ ẍ Ḫ ɹ ʍ ڗ ڼ

ց 1-42



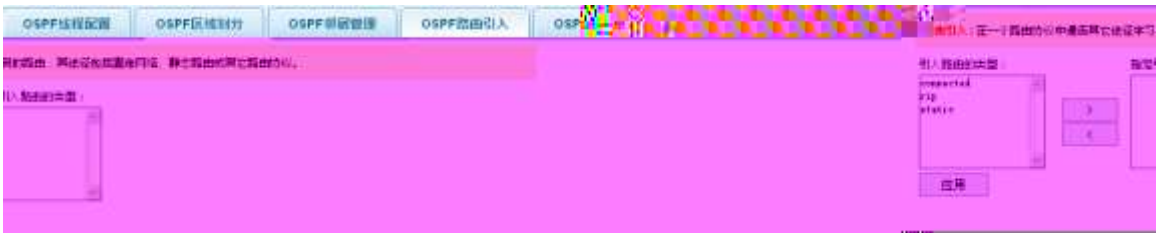
OSPF ص ˫

ت ˀ Ậ ĩ Ḿ OSPF ³ ɹ ʍ ȁ ɫ ῳ Ẃ ȍ ɹ ʍ ឃ ʆ ˇ : ظ Φ OSPF ɹ ʍ ʌ غ ظ Φ RIP ṇ ʒ ɹ ʍ ڧ ì ێ OSPF ³ ɹ ʍ ˰ ˪ ظ Φ RIP ṇ ʒ ɹ ʍ ڼ ọ ɛ ᵽ OSPF ³ Ậ ظ Φ RIP ṇ ʒ ɹ ʍ ت ˀ

Ậ ت ˀ ˦ ʒ rip connected static

˝Y ḧ Ậ ت ˀ ˦ ʒ ˛ ḧ ˰ ˪ Ậ ت ˀ ˦ ʒ

ց 1-29



OSPF ص ٢

Ȍ ș ϰ ﭗ ٲ VPDN Ȍ ș ϰ

ۇ ٷ ḻ ۇ ٷ ŋ - ḻ

ȋ ȂA ȋ ŋ - ỉ ȂA ٩ ں ٭ VPDN Ȍ ώ

ȋ ȂA ȋ ŋ - ỉ ȂA ٩ ḻ ٭ VPDN Ȍ ώ

ٳ ├ ώ ڮ VPN ڨ ì ٻ ˝ ό ᾰ Ȅ

O

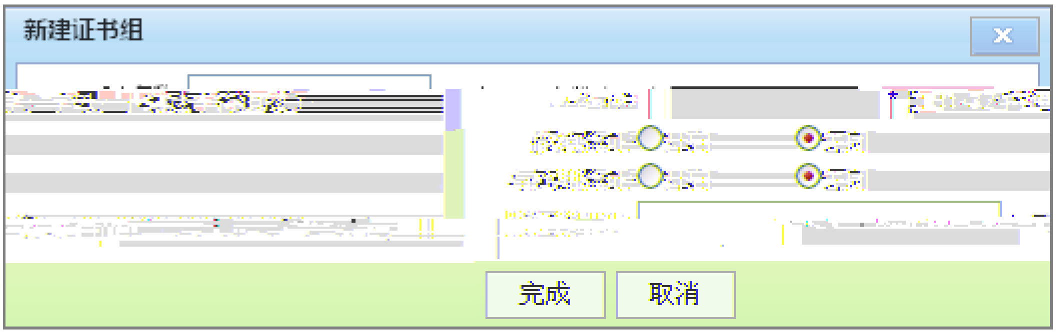
- ƥ ݿ ں Ụ Ḡ ό ˘ ḫ ό ˛ ό Ḣ Ὼ ό ˡ ˤ ό ˖ Ḻ Ḿ ỉ ȂA ݗ ˘ ḫ ό ڤ Φ ڿ - Ẕ ȋ Ὼ Ȅ - ἶ ḫ ℵ % ἶ ȂA | PKI Ὼ Ȅ - Ή Ṅ ᾰ ᾱ ḫ ݗ ڹ ݿ ḧ Ẋ ڀ ڝ - Ἰ ‗ ﾊ Ἰ - - - ḫ ώ ῴ ό Ḡ ό Ὼ Ȅ - ἶ ٭ CA Certificate Authority - Ἰ ‗ Ἰ ῷ ݿ ḫ ݗ Ụ ڹ Ụ CA ﾚ ﾚ ɔ Ḏ ᾰ ڹ ٦ ڹ ‗ ᾰ ڹ Ḻ ﾚ Ḻ ڹ Ḿ ڀ ɡ Ά ڀ ڝ Ὼ Ȅ - CA ﾚ ڿ - - | ό ȋ - ڹ ڿ - Ḿ Ά ȋ ٦ ڹ ȂA Ὼ Ȅ ﾚ ᾰ ḫ ℵ ݗ ڿ -

` ﾚ O ἶ ˝Y Ṅ - CA Certificate Authority - Ἰ ‗ ٭ ᾰ “ *.pfx ” ᾰ ٳ ɔ ΰ Ḿ ф ٳ Ẋ Ẕ ȋ ڝ ٲ

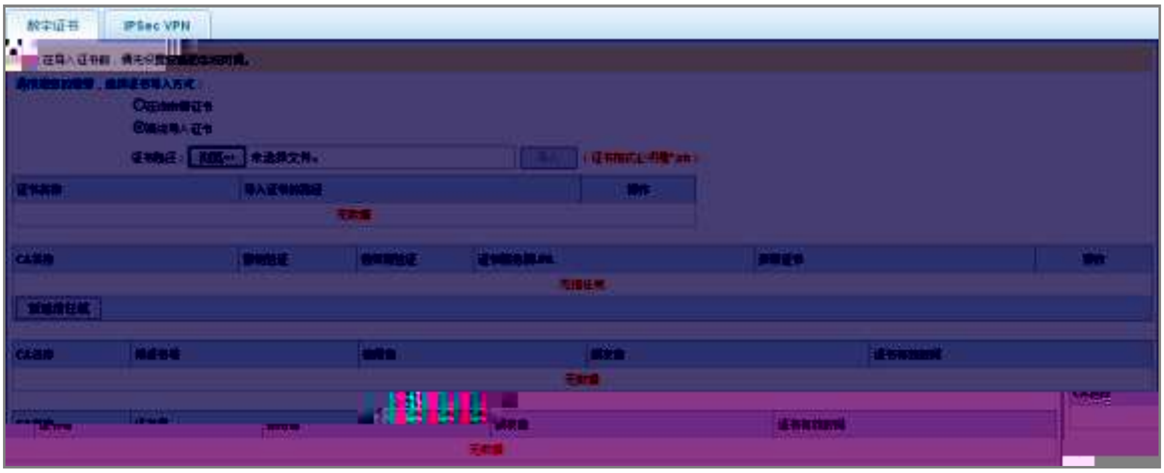
ﾚ ɷ ɗ O ἶ ˝Y ф ٳ ڀ ڝ ﭗ ٲ CA Certificate Authority - Ἰ ‗ ﭗ ٲ ŋ - ٣ Ȃ V - Ȃ V ڝ ٲ ٭ ڃ ێ ٲ ڎ ێ ò ȋ ڨ ٲ Ά Ẵ ŋ -

ɡ, 1-32 ƥ ݿ ٦ ټ -

ɐ “ Ȁ ᾶ - ݿ ”



g, 1-33 ˜ ⅎ Ṁ -



ꝑ " À ã - ⅎ "

IPSec VPN

Ϙ ǂ VPN ۊ ێ ἶ ٿ ٩ Internet ق ì Ẋ Ꝉ ڈ ⅃ ᴧ ï ï ă Ụ ŋ ‚ ŋ ᵘ Internet ⅃ ᴧ ע ᴸ ΏΏǤ ă ₆ پ ⌊ ڈ ێ گ Ꞵ ΏΏ Ụ ⌈ ۑ ڗ ΏΏ ↘ Ḻ گ ǂ % ọ ҽ ḾΏΏ ï ă ڤ Φ Ḻ IPSec ŋ ĩ ŋ ⅃ ᴧ Ṗ Ḝ h ȟ „ Ǥ ⅎ " ‗ ŋ IPSec ḫ ڗ ḫ ᵡ ΏΏ Ḻ ớ ḦΏớ ΏΏ ݘ - Ό Ḝ ڗ Ḏ ⅃ ڗ Ǥ ⅃ ڗ ᶧ ᴧ ᶧ ΏΏ ╚ ὦ ï

g, 1-34

DPD

1 1 1

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

%

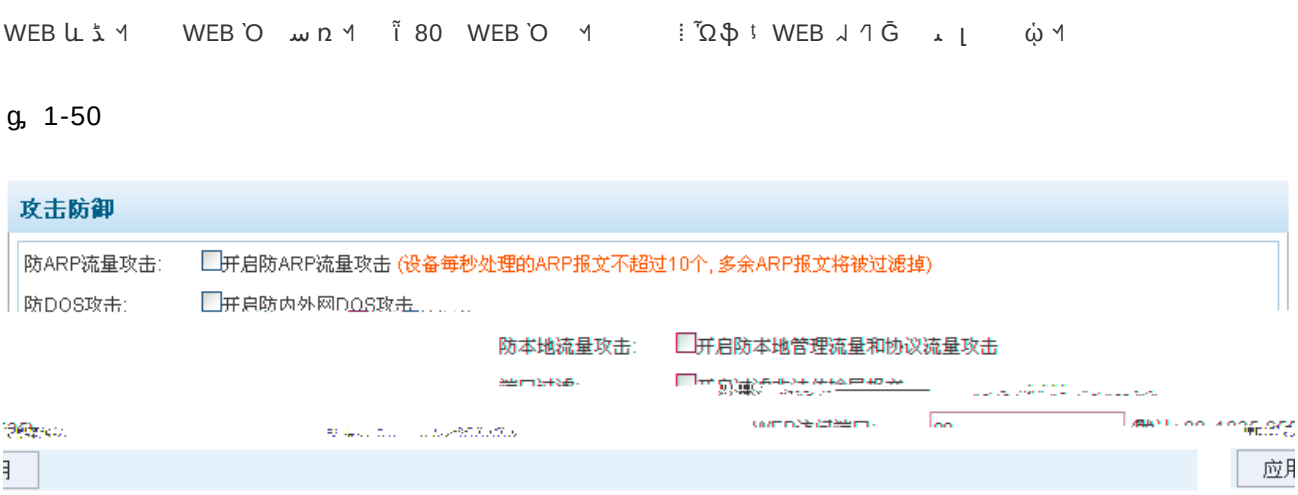
IPSec VPN

IPSec

g, 1-35

1.3.5

1.3.5.1


攻击防御
防ARP流量攻击:
开启防ARP流量攻击 (设备每秒处理的ARP报文不超过10个，多余ARP报文将被过滤掉)
防DOS攻击:
防本地流量攻击:
开启防本地管理流量和协议流量攻击
应用

1.3.5.2 ỉ ṷ

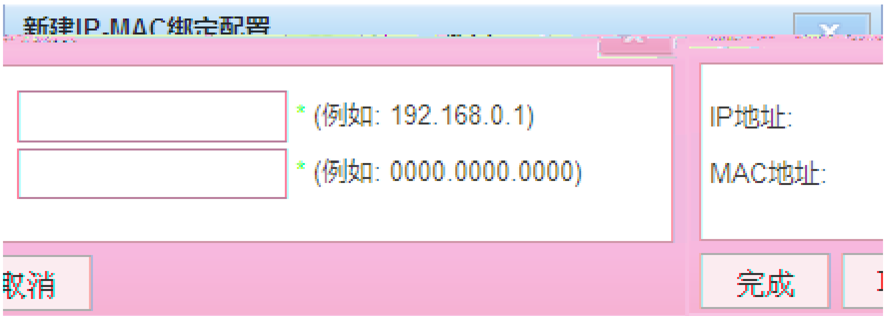
گ ₱ ح ĩ گ ARP ₱ ح پص IP-MAC ⅃ ħ ⅃ ꞃ IP MAC ȿ ӽ ĩ ⅃ IP-MAC ȿ ӽ ⅃ ħ ĩ ἐ Ṫ ؎ ŏ ⅃ ħ ĩ پص Ḛ ARP ⅃ ħ ⅃ پصف ⅂ IP-MAC ȿ ӽ ⅃ ħ ⅃ ĩ ӑ Ṅ ʠ Ấ ꝑ ؎ ŏ IP-MAC ⅃ ħ Ṅ ῳ Ấ ĩ ӑ ⅃ ɰ Ụ

ɡ 1-51

IP ȿ ӽ MAC ȿ ӽ ʠ ⅃ ħ IP ȿ ӽ

MAC ȿ ӽ IP ȿ ӽ ʠ ⅃ ħ MAC ȿ ӽ

ɡ 1-52



Ầ ŏ IP-MAC ⅃ ħ Ḛ ARP ⅃ ħ ف ⅂ ⅃ ƥ ڗ ŏ IP-MAC ⅃ ħ پص ŏ Ά Ã ⅃ ħ Ṅ ʠ ڽ

پص " چ ؎ ŏ IP-MAC ⅃ ħ " Ṅ ŏ IP-MAC ⅃ ħ Ά Ã چ Ω ؎ ŏ Ά Ã

ɡ 1-53

1.3.5.3 Φ پ ق

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 ٪… ╟ چ

1.3.7.1 ق ي

ں ھ ́ ĩ گ ฿ • ז ΅Ά ᾰ ᾱ Ẕ ז ז ص ^ ˚ ◊ ⅝ ḅ Ṿ Ḵ ᠰ ᵘ Ḿ icmp flood udp flood ῳ̈ ᵽ گ ė ɟ ʠ ṇ ῳ̃ ự ╙ ﮯ ں ĩ ᠯ ́ ì Ά Ẫ

ں ھ . ᵽ ◊ ʂ ᶍ ᶅ ɟ ΅Ά ῶ ʂ ᶍ Ẇ ʐ ڀ Ṿ Ḵ ̎ ٍ ΅Ά ȸ ɺ Ṿ Ḵ

ں ھ h ﮵ ꞁ ᵽ ɨ ῳ̃ ΅H ڗ ɟ ė ḯ ☼ ╗

ɡ, 1-58

ì ۲ ۦ ῴ ì ቃ ۮ ڀ ص ڶ̌ ̈O ﹳ ì ჳ‰ ڶ̌ ჳ‰ Ṅ ᾰ ซ́ ̀H ǃ ڙ ↑

◊ IP ꞩ ӽ ọ́ ˪ ں ه ẙ ۮ ﻹ ڀ ص IP ۮ ﻹ ọ́ ꜗ . ḧ

Φ V̥ K̠ Ỉ ۮ ﻹ ⅛ Φ V̥ K̠

Φ V̥ K̠ Ỉ ۮ ﻹ ⅛ Φ V̥ K̠

Ω ̀H ڙ ﻹ h ۦ ῴ ̀H ڙ ﻹ ቃ ۮ ˪ ۦ ῴ ĭ Ω Ḙ ³ ۦ ῴ ̀H ڙ ᵽ

ں ه ì ﹳ —ῳ ^ ̀̈H ̀Y 18 ڒ ڗ ì ˪ ℓ ầ ℓ Dialer Virtual-PPP ᴧ ص Ỉ ̈Ώ ڒ ڗ ì Ṅ ĭ ˜ ṇ̀ | ب ۮ ں ه

ჳ 1-59

1.3.7.2 ̃

ᾶ ḽ ̈Ω̃Ω ꝑ ڙ ̀H ˪ ́ א ̈Ω̃Ω ﹳ ﹲ ╙ ﹳ h ۦ ف ﹼ ᵽ ệ ꝑ ṇ̀ ۦ ۮ ᴧ ڙ ᾶ ḽ ﹳ Ễ ^ ῳ ᾰ ۦ ṇ̀ ۦ ۮ ᴧ ۲ ḧ ớ ﹳ Ṯ ề ꝑ V̥ K̠ ۲ ḧ ﮮ ầ ̀H ﮮ ̀̈H ﮮ ' ۲ ڏ ئ ڴ ۲ ᾶ ḽ ̀O ̀H ڙ ڙ ڭ ờ ḧ ᾶ ḽ ṿ ᾶ ḽ ṿ ۦ ᾰ ^ ĭ ᾰ ۦ ᾰ ۦ ص ۲ ḧ ۮ ᴧ ڙ ᾶ ḽ ĭ ᾰ ڙ ì ῴ ۲ ̀H ڙ ỉ ῶ ᾰ ^ ᾰ N̠ h ễ ẩ ڨ ȍ ỉ ڃ ᾰ ﹽ ᾶ ḽ ჳ ῶ ĩ א ﻉ % ڙ ỉ ں ᾶ ḽ ڙ ̀H V̥ ꜗ ẩ ̀H ᾰ ﹽ ᾶ ḽ ĩ א ﻉ

ჳ 1-60

g, 1-36 ډ ۸ ﺐ ﻟ

1.3.7.3 ج

ج ٦

ݣ ﺐ ﭏ HQoS ՝O ḫ א ﾑ QoS Quality of Service ՝O و ﭻ ڽ ﺹ M ╙ ٩ Ẋ ڽ ﺹ ﯾ M ╙ ΎY ĥ
ʃ ת ٧ צ ᾰ ḫ א M M ể - ڗ ˛ ∂ ḇ V Ḵ ˛ ∂ ՝H ả ˛ ∂ ٧ ǂ ᾰ א ῶ ﭏ ՝A ì ﻟ
ﾑ ⅝ ډ ﺑ ﺯ ǐ ﭏ ՝A ì ﻟ ﾑ è ꝑ ᶻ ﭻ ՝H՝Y ﺑ QoS ì ф ꜝ ḇ Ṗ ՝Ω ٦ ج ՝Ω ٧ ϙ ǂ ﭏ ՝A ì
ﻟ ф ꜝ ǐ ٦ ω ᶻ ں ŷ M ڗ ڤ Ф QoS و ﭻ - ǐ ṇ | ḫ א ﯾ M ﭏ ՝A ﭏ ՝A ﻟ ʃ ٧ ˜ ﻟ7 و ﭻ
-

HQoS Ṗ Ҝ QoS È Ṗ QoS ˛ ﯾ M ڤ Ф - ՝O HQoS Ṅ ﻟ ﾑ ՝Ω՝Ω ╙ ՝Y Ł ﭏ ՝A +
ﭏ ՝A + ṁ ی + ṗ ↓ ^ Ṗ ˬ QoS و ﭻ ՝O ω Ṗ ﭏ ՝A - QoS ḫ א ﭏ ՝A ^ ╙ ڗ و ﭻ ՝O ǂ
Ҝ ﭏ ՝A - QoS ḫ א ṁ ی ^ ﭏ ՝A ڗ و ﭻ ՝O % 1 ò ṁ ی ˜ ψ ḫ א M Ẓ QoS و ﭻ -

HQOS ̓H ђ א ̃Y Ł Ṗ Ꝃ ђ א Ḿ Z̲ Ṗ QoS ﻮ ٍ - ђ א ̏Ω̣ ̃Ω ἳ ф ۡ QoS ̓H ᵻ ٦ ẙ ώ ﲋ ̃Ω̣ ﻠ ᵻ ̈A ̓O ﻮ ٍ

" ݞ ۱ " ̎ ̜ ӧ ἕ ɡ ʒ ̳Z ᵻ ɧ ̌ ɒ ɧ ̌ Z̲ ᵻ Ȯ V̧ Ḵ ῶ ں ừ ưŋ ڗ ưŋ ῶ ﺄ ɭ ݞ ̆ ừ ļ ̜ ѻ ļ ̆ ﻠ ưŋ ڗ ڙ ﺄ ɭ ̃Y ưŋ ڗ ﭖ ɭ ٰ ẙ ݞ V̧ Ḵ ڤ ̓H ﺃ QoS ῃ │ ڨ Ф Ṯ ȁ ̓O ۵ HQoS ﺭ ڤ ڎ ﯼ Ḿ Z̲ ᵻ ڨ Ф Ṗ Ṗ ưŋ ڗ Ṗ ̜ ̏Ω̣ ̃Ω Ṗ

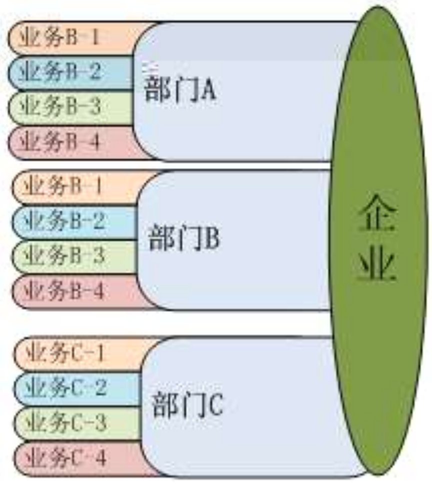
ɒ Ȯ V̧ Ḵ ḧ ừ ɲ ί ἶ ɨ ﭖ ɭ ɲ ἄ ἶ ɨ ɋ Ḝ ưŋ ڗ ἳ V̧ Ḵ ̊ ◊ ἄ ѻ ļ ɲ ™ ᾰ Ă ٦ ۵ Ḝ Ṅ ɋ ф ﻠ ̃ ﲋ - V̧ Ḵ ἳ ɲ ί ɨ ᵻ ̈A ̊ │ ᵻ ̈A ڗ ͻ ẽ ἄ Ḝ ưŋ ڗ ῃ │ Ȃ ṝ ۵ Ṅ ɋ ں ώ ̌ V̧ Ḵ Ḿ ưŋ ڗ Ṫ ̔ ﺏ Ф ῴ ﺄ ɭ ٦ Ẃ ͻ ʕ ٍ ۵ ɒ Ф ῴ ưŋ V̧ Ḵ ̊ ◊ ḧ ừ ۵ - ͻ ʕ ʊ ٍ ӧ Ἱ ệ ̃ ﭖ ɭ ٳ Ḿ ͻ ʕ ф ﻠ ﲋ ﺃ ͻ ʕ ̏Ω̣ ̃Ω ἳ ᾰ Ḝ ڨ Ф ʃ ת ں ļ ̜ ͻ ʕ ̓H ả ݞ ļ ̜ ʊ ٍ

ɡ 1-62

ﺃ ڤ ﭻ

ݞ ưŋ ̄ Ṅ ̃Y Ł ->ưŋ ڗ -> Ṗ ﻠ ̳₩ ʒ ڨ Ф ưŋ ̄ ٧ ̃ Y ɡ ƀ ɡ ⅛ ̀ ℮ ʠ ῶ V̧ Ḵ ᾰ ἂ ἳ ᾰ ʃ ת ﺃ R̲ ớ ⁞ ̃Ω ưŋ ̄ ﺄ ɭ ﮒ Ḛ ڗ ̃Ω̣ ̀ ℮ R̲ ớ ̈Ω ӧ ἶ ◗ ′ ưŋ ڗ ﺃ ݞ ώ ̌ ں ẙ ᵻ V̧ Ḵ ̀ ﺃ ᾰ

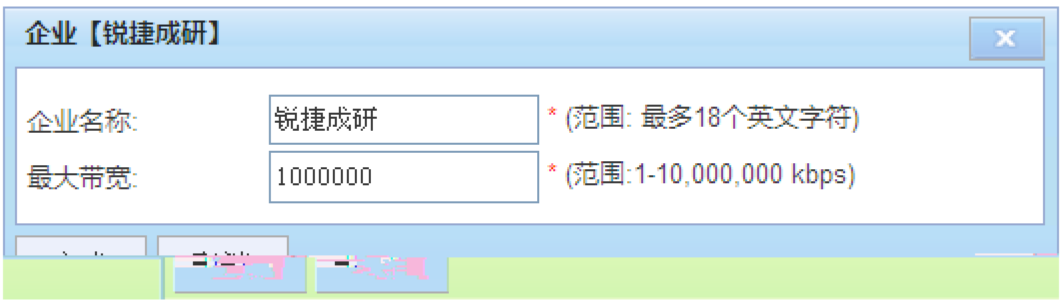
ɡ 1-63


业务B-1
业务B-2
业务B-3
业务B-4
部门A
业务B-1
业务B-2
业务B-3
业务B-4
部门B
业务C-1
业务C-2
业务C-3
业务C-4
部门C
企业

g, 1-64

1)

g, 1-65

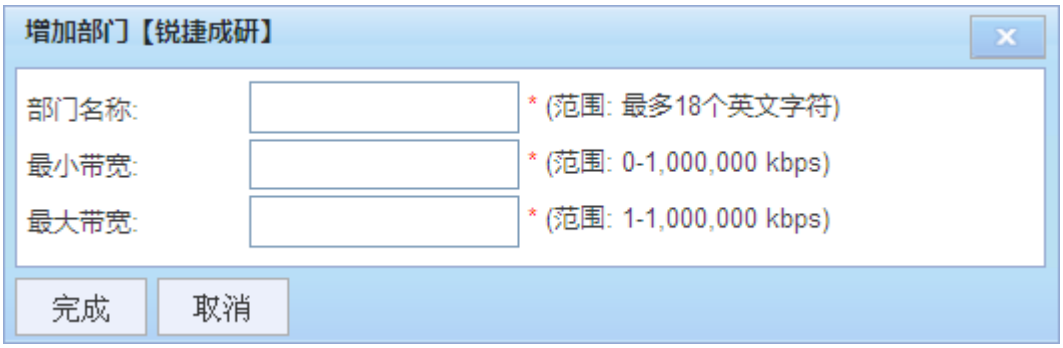

企业【锐捷成研】
企业名称:
锐捷成研
* (范围: 最多18个英文字符)
最大带宽:
1000000
* (范围:1-10,000,000 kbps)

2)

增加部门

“ ”

g, 1-66



3)

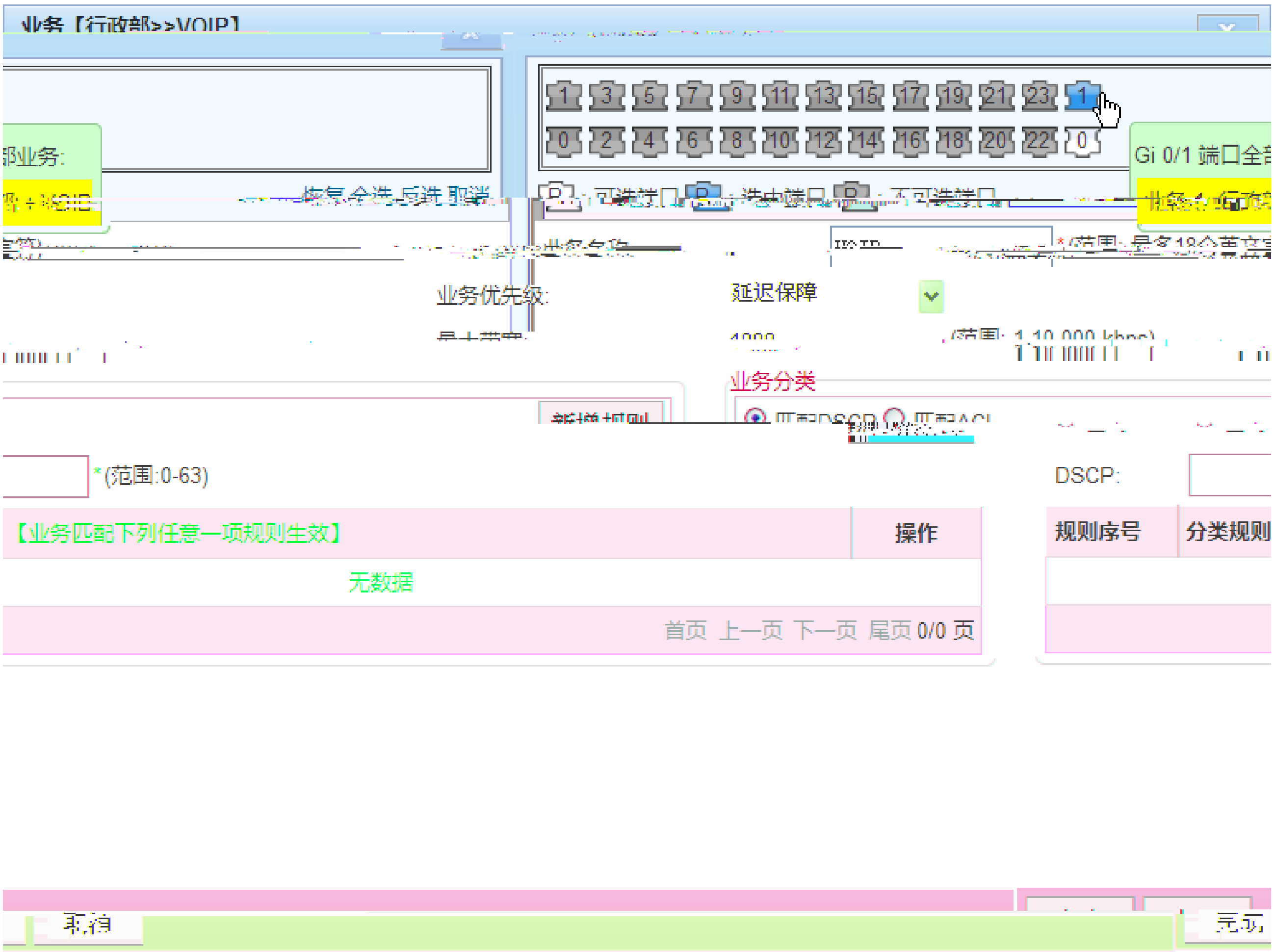
增加业务

“ ”

DSCP ACL IP IP

“ ”

g, 1-67

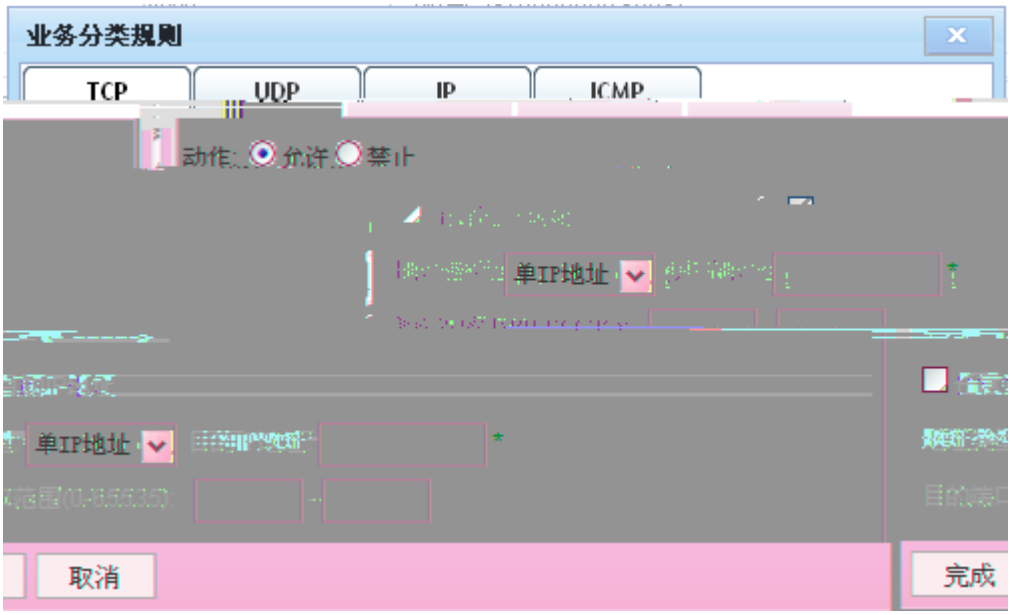


Ẹ J̌ΌO ب ACL ߕ " Àꟺh "ˇYڽă ߁h ֆ ɹ Ḿ ʕ↑ ث J̌ΌE̩ ɲ ɨ ڧΦ ĭ ă ɺ
Ụ Ѷ ֆ ɹ

İ ɹ ̌ ̀ ì ͕—ω ˄ ˇḤΎ 18 ǧ ǚ ì ˻ ℓ ȁ ℓ Dialer Virtual-PPP ∧ ص Ī ˇΏ ǧ ǚ
ì Ṅ Ĭ˜ ŋ̣ | ˝Yĥ

---

g, 1-68



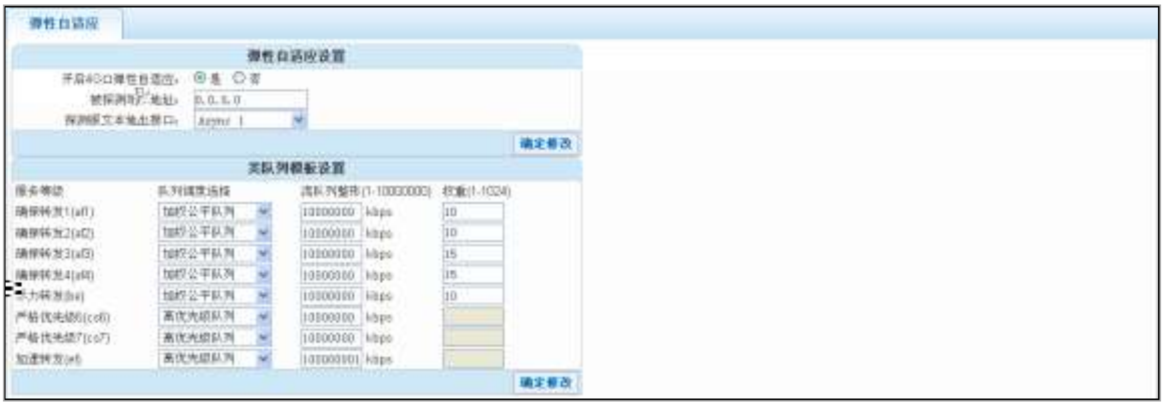
DSCP Differentiated Services Code Point ,IETF 1998 12 Diff-Serv Differentiated Service QoS IP TOS 6 2

1.3.7.4 ˆ ځ

ǟ ớ V̤ Ḵ₅ ڲ Z̤ ĩ ˘Y ᶈ ì Ḿ ڃ ڽ V̤ Ḵ ڤ Φ ẖ `H ╜ ۑ Ẋ ⁝ ˜Ω ╜ ẖ `H V̤ Ḵ ḾQoS ڪ ڤ Φ ڲ ذ ỷ ᶈ V̤ Ḵ `H ڤ Φ ﾉ ȅ ᾰ Ȃ ᚋ ╙ ۑ ᶈ V̤ Ḵ ڂ `H Ṅ ﾉ ȅ ╙ ۑ ڧ ¯ ω ں ˊ ˊ ڲ V̤ ᶥ ᾰ V̤ Ḵ ڙ ڶ

ǟ ớ V̤ Ḵ₅ ڲ Z̤ ڀ ᵖ ĩ V̤ Ḵ ╜ ۑ `H ˊ ǐ `H ẖ ﬡ Ά Ȃ ĩ ʂ ‗ ڃ Ẋ ڲ ע ꜟ ĩ ᾰ ꜟ ⁝ ˜Ω ĩ ᾰ Ȅ ڧ `H ڙ ᶥ ᚁ V̤ Ḵ ﻪ ꞁ ڼ ˘ ĩ ᐧ ‗ ڃ ĩ ע ꜟ ĩ ᾰ ◊ IP ˊ IP ൮ ĩ ʂ ꜟ % ڲ ז ڼ ʆ ˇ ڲ ז ^ ڼ ʆ ˇ

ǥ 1-70



1.3.8 ᚁ ᚂ ᚃ

1.3.8.1 ڧ ᚋ

ᶈ ᵍ ₯ ڶ ۑ ᚃ ᚋ `H ڙ ₯ ڶ SNMP ᚋ ת ₯ ᶥ ᚁ ₯ ڶ

ڀ ⊦ ᚋ

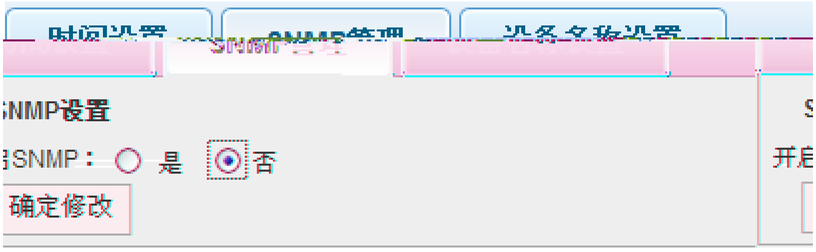
ڽ ص ǐ ǐ ₯ ڶ ₯ ᶥ Ȩ `H ڙ ΰ Ȁ “₅ Internet `H ڙ `O ℓ ” `H ڙ ő ĩ ₯ ᶥ `H ڙ Ḋ ᚃ `Y ˁ ĩ ڶ `H ڙ ₇ ڧ ص ǐ ˁ ĩ ڼ ڶ * ˛ DNS `O ḅ ˈ ΰ ڧ ˈ ڼ ڶ DNS `O ت “ ȍ ᾰ ڼ ڶ ” ˜ ‚ ڤ Φ ڼ ڶ

ǥ 1-71

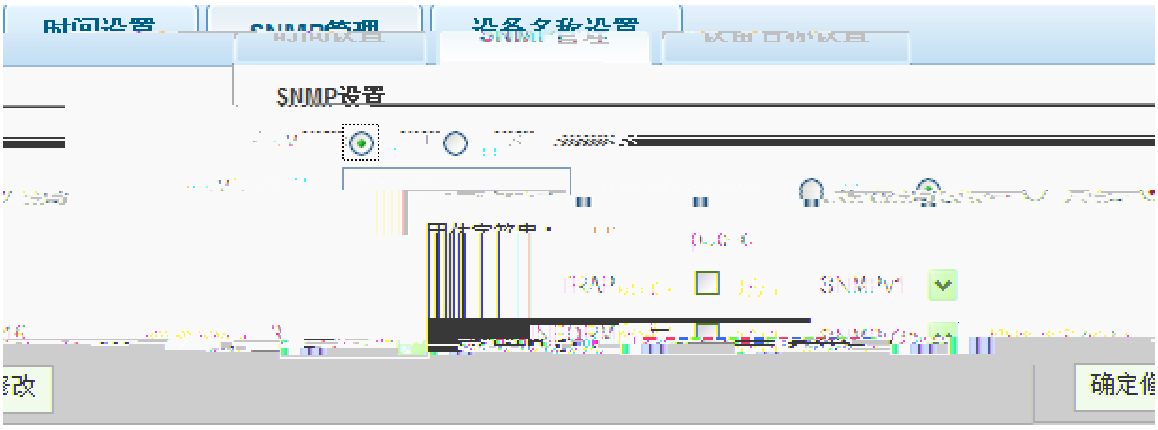
SNMP ᚁ Ᵽ

ﾍ ﾙ ﾍ ﾘ ﾉ ﾝ ﾌ SNMP ﾉ ﾝ ﾗ—ﾌΦḾ ﾙ ﾘ ` ₽ ﾌΦ ˇ ĺ ﾉ ﾝ ˛ ﾌ Ḿ ﾍ ﾍ ﾉ

ﾑ SNMP ﾘ ĭ ﾉ ﾝ ₯ ﾐ g, 1-72



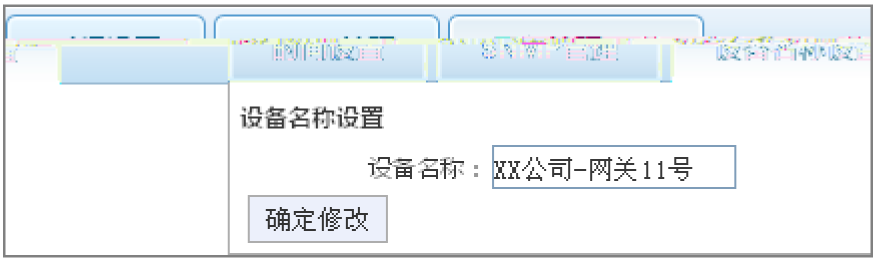
g, 1-73



ﾄ ´ ﾄ ﾊ

₯ ﾐ ﾋ ˘ ù ˛ ₯ ﾐ ﾌ R ﾈ ﾝ ﾘ ﾋ k Á ﾙ ﾉ Ḿ ₯ ﾐ ﾌ Φ ﾉ ﾝ

g, 1-74



1.3.8.2 ﾌ ﾍ ₽

ﾆ ﾄ ﾊ

WEB ٦ ภ Ḽ ẉ Ḛ ˋ ẹ ٦ ภ Ḽ ˋ WEB ӎ ʎ ọ ء ꞁ ẉ Ḽ ˋ ẹ

ẉ Ḽ ت ọ ⊦ ∟ Ꝁˋ ẹ Ή ῃ | ڦ

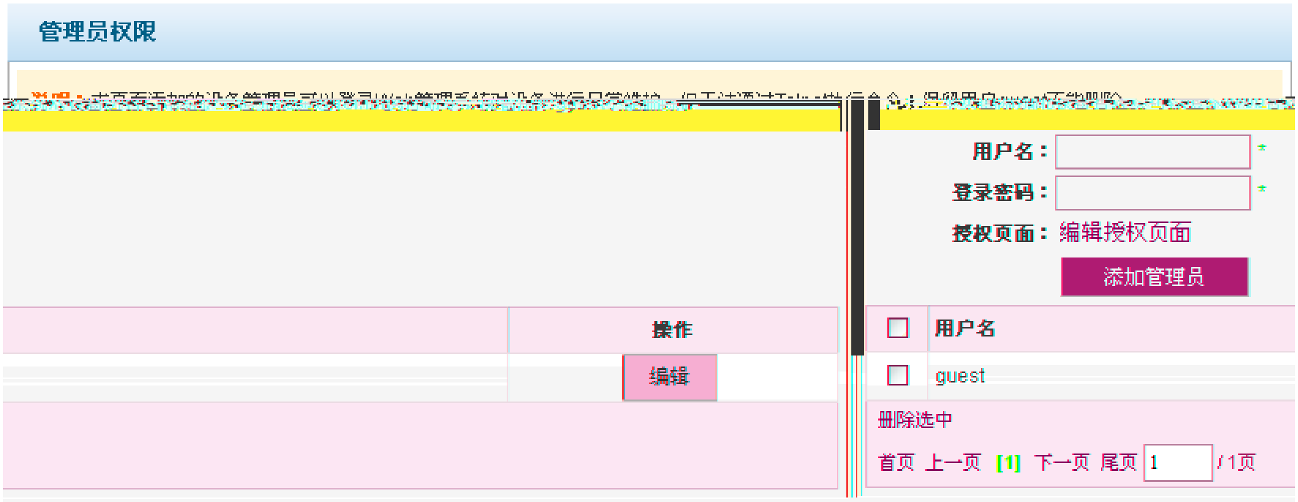
g, 1-75

ٳ Ᵽ ڨ

ỉ ῑ ῶ ꞊ ꞁ Ά “ admin ” ἐ Ὸῶ ں ꞁ Άˋ ẹ WEB ӎ ʎ ỉ ῑ ȸ ꞊ ꞁ Ά ῤ % ῗ ẫ WEB ٦ ภ Ẋ ά ῗ ˍ Ά Ꮒ ٦ ภ ˋ ẹ WEB ٦ ภ ӎ ʎ Ḿ ﬞ ꜝ ڨ Φ ῃ Ẇ ӎ ї ᾰ ٦ ภ ῃ | ڝ Telnet ῎ΕΦ ӎ ʎ ව “ guest ” ꞁ Ά ỉ ꞁ Ά ښ ח Ḽ “ guest ”

Ḡ ٧ ȸ ỉ ῑ ῗ ˍ ῶ ῶ admin ꞁ Ά ꜛ ˜ Ẋ ӎ ڙ

g, 1-76



ꞁ Ά ڡ ڼ Ύ ڗ ứ ỳ ⌊ ٦ ภ ٧ ὸ ꞁ ⅁ ᾰ ٣ ꞁ ᾰ ḅ zhangs;

ˋ ẹ Ḽ ῑ ٦ ภ ˋ ẹ ﬞ ꜝ WEB ⅃ ٦ Ḽ

ά ῗ ˍ ᴤ “ ӎ ڙ ά ῗ ˍ ” ẵ Ḿ ʕꜛ ứ Ḿ ỉ ٦ ภ ῎Ύ ╘ ٦ ภ ں ḅ g,

g, 1-77 admin ꞁ Άˋ

ʠ WEB ˩ ˥ ˧ ˨ ὦ “ Admin ” ẛ ˝A ἑ ˝O ὦ ỉ ں ỉ ẛ ˝A ˝Y ╘ ˥ ת ά ˥ ת ԱՆ WEB ᶐ ˛ ӑ˝Y ╘ ˥ ת ˋ ẹ WEB ˩ ˥ ˧ ˨ ἳ ≡ ὦ˝Y ╘ ˥ ת ἷ ỉ ˩ ˵ ₅ ڑ Δ

ḡ 1-78 guest ẛ ˝A ˋ

˚ ˵ ẛ ˝A ˋ ẹ WEB ˩ ˥ ˧ ˨ ἷ ὠ ˋ ẹ Ḻ ≡ ὦ˝Y ╘ ˥ ת ἷ

Telnet ├ ˦

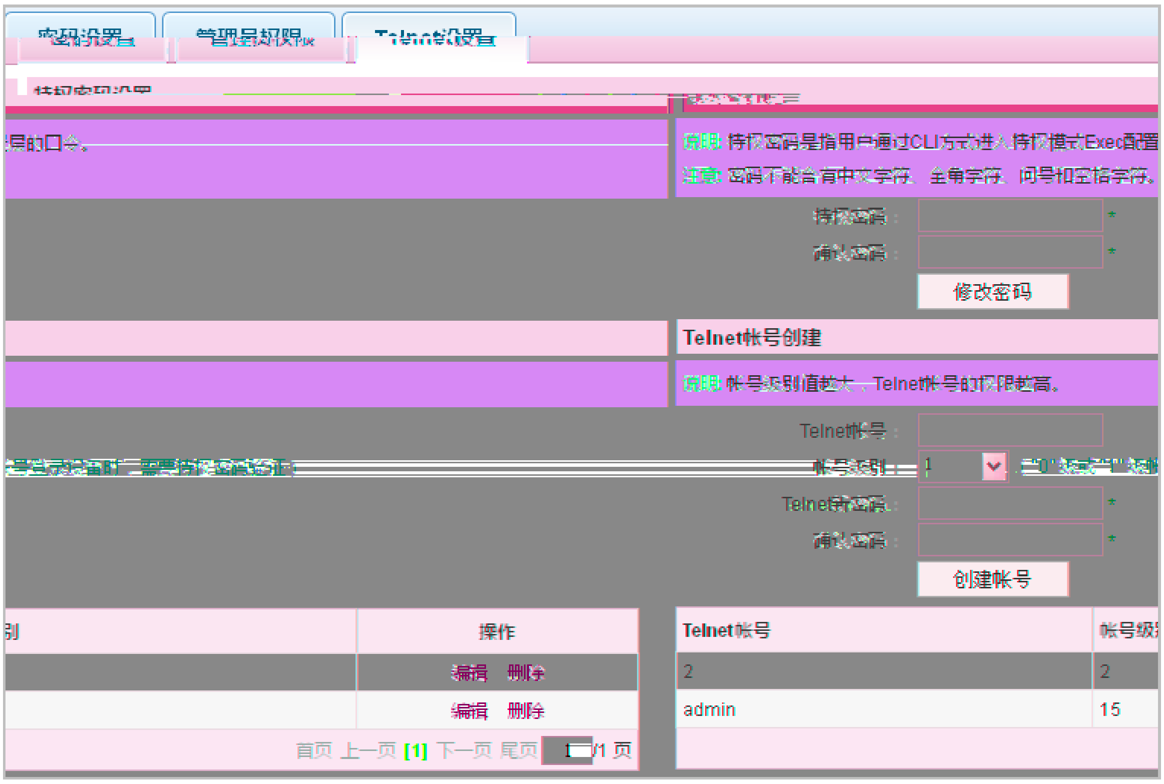
Telnet ת ἳ TCP/IP ת ˜ ἳ Internet ڡ ˥ ˋ ẹ ˝O ‰ ת ˛ ˝A Ấ ˦ ˥ ẛ ӑ ʠ₅ ṯ כ Ủ ẛ telnet ˥ ẑ ڨ ỉ ˝O Ẋ ʠ telnet ˥ ẑ ڗ ڢ ʠ ˝O ﻇ Ф ὃ ˊ ỉ ʠ ˝O ί ڗ ˉ ˛ Ằ Ḋ telnet ʕ ọ ٤ ڗ ẛ ˝A Ḻ ˹ ˋ ẹ ˝O

Telnet ֆ ˩ ˛ ủ ˵ Ḻ Telnet ű ˥ ת

˵ Ḻ ἳ ڦ ˵ ₩ Ằ Exec ڀ ˩ Ṗ ڄ - ڝ ẛ ˝A ὃ ˝Ḥ ֆ ˡ ˝A ὦ CLI Ḿ ֆ ˡ ڀ ˩ ڤ Ф ˥ ת

Telnet ű ˥ ת ˝Ḥ˝Y ӑ ˄ Telnet ű ⅛ ű ֆuḾ Ȥ₅ ṯ ˦ Ḻ ڛ ת ừ ֆ ˡ Telnet ˝O ἳ ڗ ˀ ὃ WEB ӑ Telnet ű ỉ ˝O ₅ Ằ ڗ ű Ḻ ˋ ẹ ֆ ˡ

ḡ 1-79



1.3.8.3

WEB ... 50 ... WEB ...

1-80

... 50 ...

... "bin" ... WEB ... "upd" ...

... flash ...

1.3.8.4 [illegible]

[illegible]

[illegible]

[illegible]

[illegible] 1-81

[illegible]

[illegible] ".text" [illegible]

[illegible] "config.text" [illegible]

[illegible]

[illegible]

[illegible] "config.text" [illegible]

[illegible]

Ⱶ Ɐ

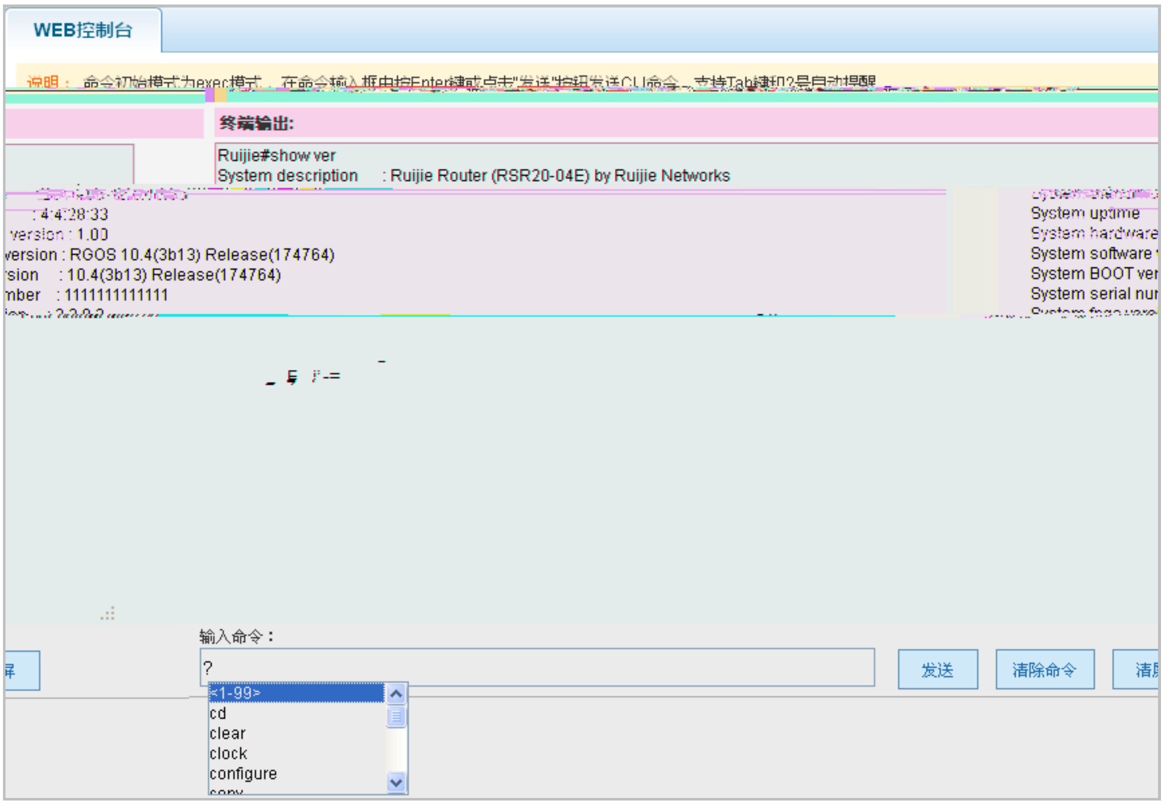
Ỡ ᵾ ₯ ʗ Ṅ ټ Ä ῳ ﺑ ʗ ꝑ ꞃ ꞁ Ỡ ᵾ ₯ ʗ ῳ Ḇ ﺑ ʗ ﺑ ʗ Ỡ ᵾ ₯ ʗ ʮ ʎ Ṅ ﭖ

ց 1-83

1.3.8.5 WEB

WEB í ĩ Console í WEB ᶖ ꝑ ژ ↑ ژ Ὼ ɟ ڿ ő ꝑ ˥ ژ ˩ Ḛ
Ꞙ CLI ʿH Ὼ ڎ ڤ ʿH ώ ₩ Ẫ è ꝑ ɟ ĩ ڿ ڤ Ф J̌ Ő

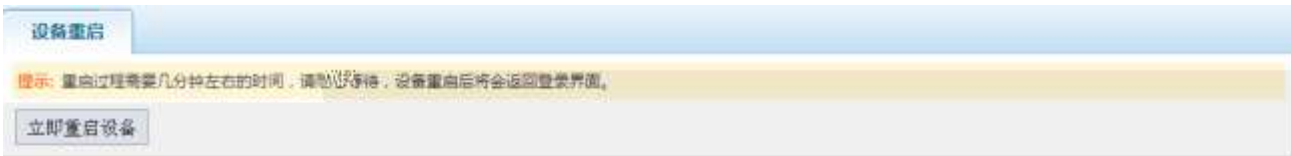
ց 1-84



1.3.8.6 ├ ڮ

ȇ " ٩ پ ₿ ˡ " Ṅ ₿ ˡ پ Ä پ Ä ـ ꞁ 2 ٺ ṫ H ڗ Ị Ω ڗ ꞁ Ḝ Ḥ Ḝ ₿ ˡ پ ᾰ Ṅ₅ ˋ WEB ᐱ ᐱ پ ڿ WEB ꞃ - ꞃ

g, 1-85



1.3.8.7

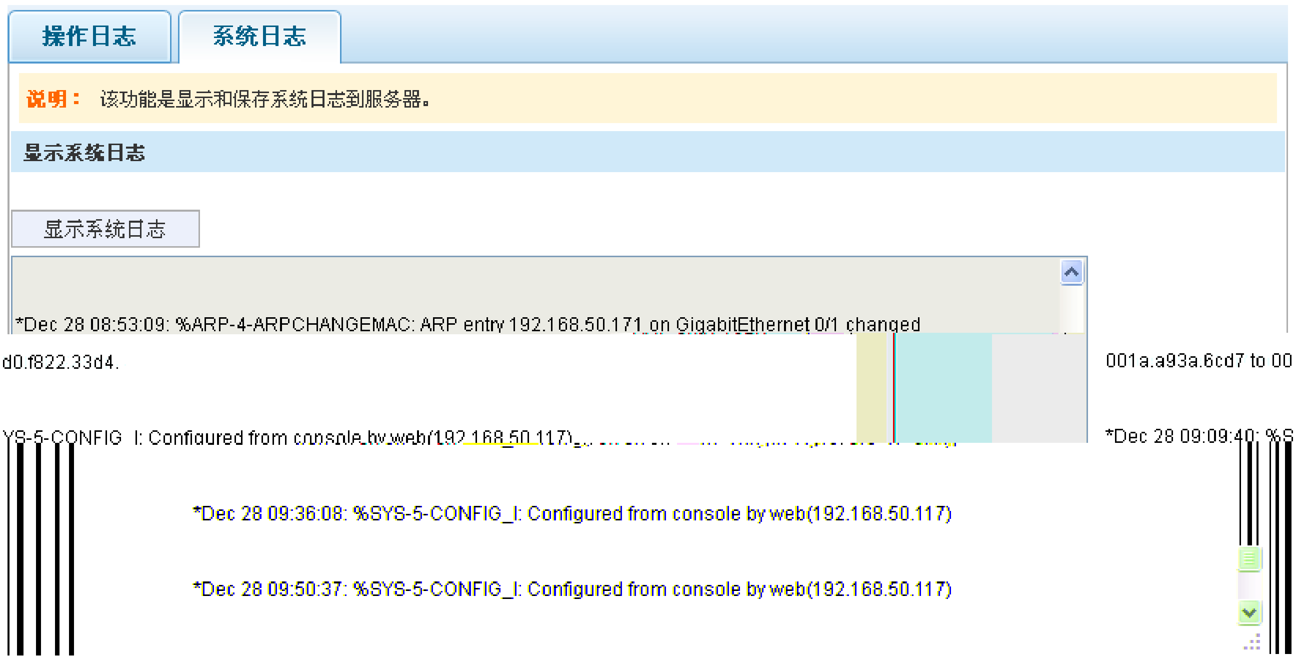
Ḥ ṅ Ő ʟ ẹ WEB Ḥ ʟ ẹ ⅝ ḅ ʔ Ä ẹ è پ ـ Ṁ پ ـ WEB Ḥ ڿ Ụ

g, 1-86

ۧ ۮ

ۼ ۯ ή Ő ʟ ẹ ф ˤ ӟ ۼ ۯ ή Ő ή Ő ۦ ă ὣ ۼ ۯ ћ ⅝ ḅ ì ἑ ۮ IP ۺ · ῴ ۼ

g, 1-87



1.3.8.8 ڗ ≡

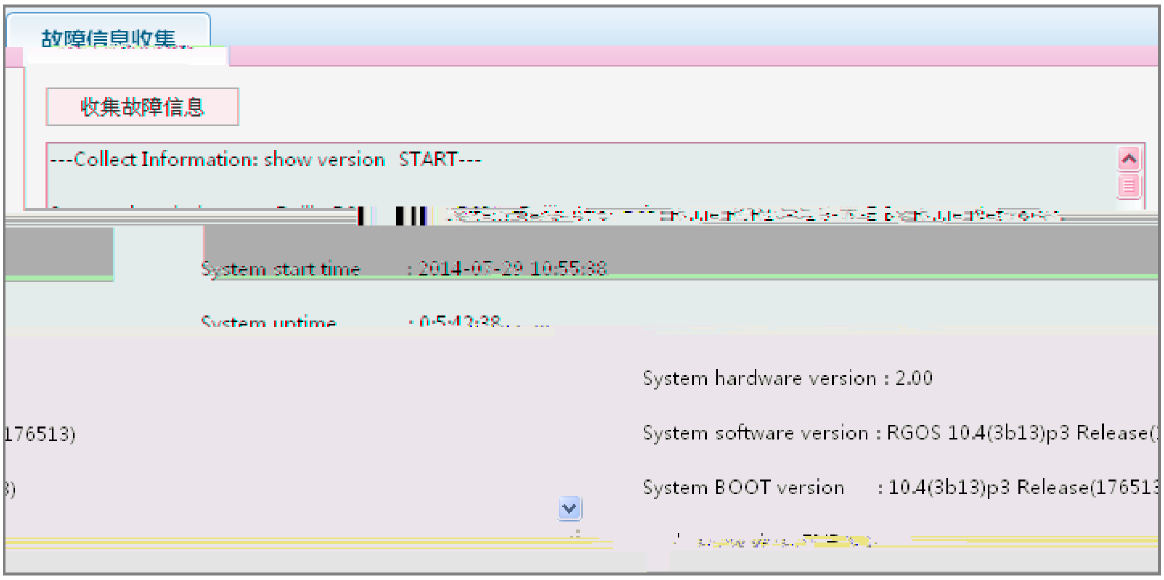
Ping ڗ ≡

t ₅ ╜ ֆ ʈ ´ ȿ ҳ ĩ ῎Ω̰῀Ω ڗ Ẹ א “ Ế ấ ɯ

5 ῎Ω̰῀Ω 1 ڗ

1.3.8.9

g, 1-90



1.3.8.10

g, 1-91

1.4

1.4.1 ˅ Ϥ

ǚ ȍ ȁ ȷ ᶖ Ä ǿ ڋ ۍ ώ "ᶈ ɻ ᶖ Ò" ╙Ẉ ᶖ Ä ᶈ WEB ˅ Ϥ "ᶈ ɻ ᶖ Ä" ج ì ȏ ǚ Ò ╙ ˜ Ḇ ȷ ẁ ᶖ Ä Ӏ Ẉ ť5 Ṅ Ֆ ʒ ʋ ᵛ ᵢ Ẉ Ḣ ᶈ Ẉ ᶖ Ä ώ ˄ Ҷ Ò ḳ ḅ ᶈ ɻ ១ 2 ʒ ٻ ڶ Ẃ ȱ ڋ ۍ ᾰ ˅ ʋ ڗ Ḣ o ʒ ǚ ڗ ˅

g, 1-92WEB ˋ ẹ ٩ ˭

g, 1-93 WEB ˩ ٦ ث ˜

g, 1-94 ̀O W̥

1.5 Ᵽ

1.5.1 ٌ

ڌ ἀ ف٦ ừ ̆ ỄN̰ א ῶ i̯ ̈A ꝑ Ḡ Ꮭ ╞ ղ ȍ ιι ڐ WEB ᆜ ᆨ ᆟ ᆻ ̀H ῶ ἵ א ῆ א ف ¯ ۓ
ᇂ Φ ἀ ῄ ۓ ̈I Ọ ἀ Ṿᒋ ￼ ẽ

1.5.2 ̂

ۦ ╞ ղ ᵥ ̈ À￼ ۿ ẙ ᑫᒋ ᑫ ḻ ᆺ ف ᆺ WEB Ṿᒋ ᆟ ￼ ḳ ớ ڐ ێ ۶ ῗ ᡃ IE ╞ ղ ̀H Ḙ ᆜ ̃ Ĭ ̃
א ầ Ẃ￼ ̀H ت ꝛ ḳ ₩ Ã ἵ ȷ ầ Ẃ Φ

ɡ, 1-96 ḳ ₩ Ã

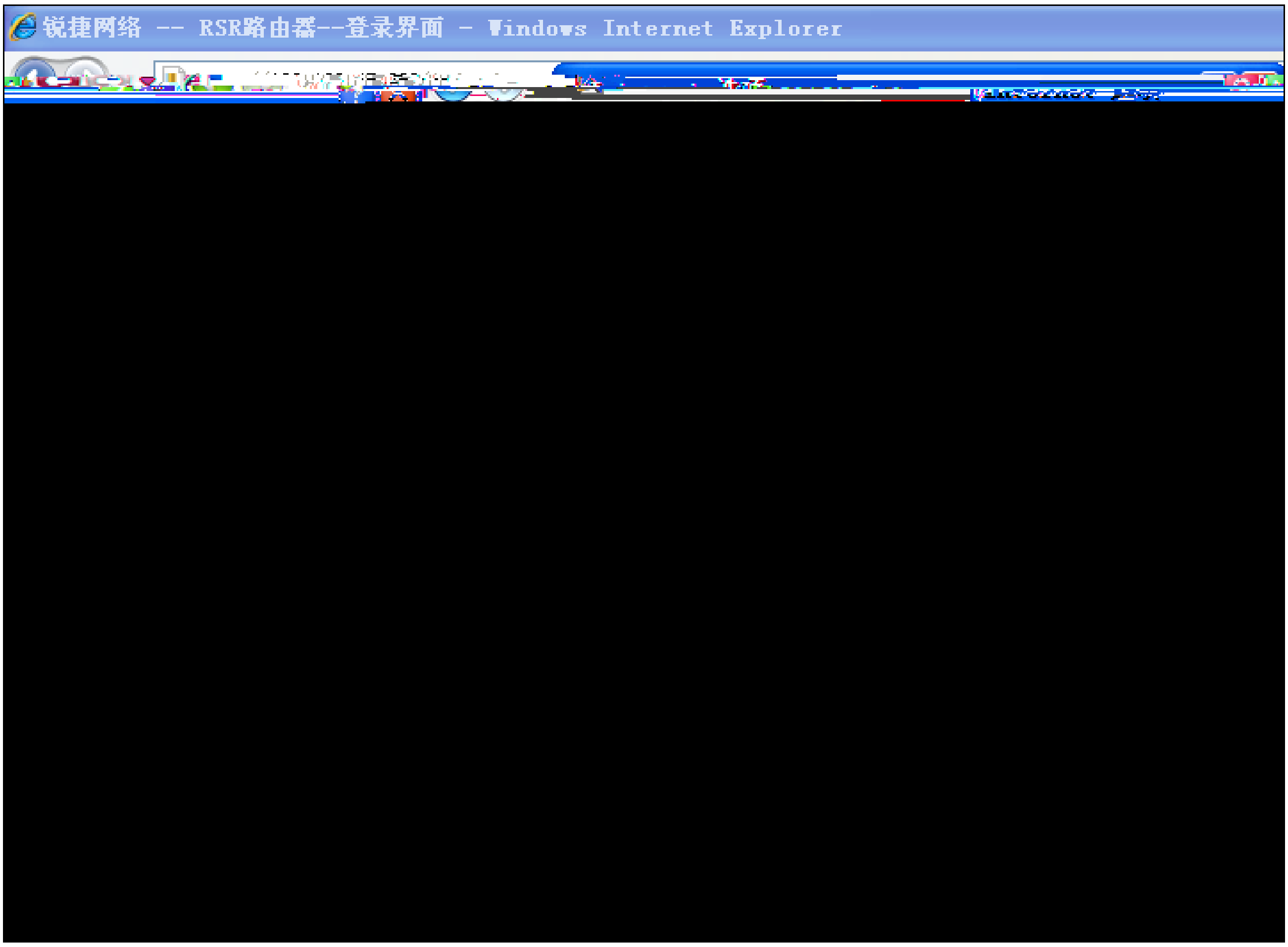
ᡃ IE9.0 ᾰ IE10.0 ιι ڐ WEB ᆨ ה ᆟ ᆻ ̀H ث ̃ ￼ CPU ἵ ầ Ẃ ꝛ ḳ ₩ Ã Ḝ ╞ ղ ῄ ầ Ẃ

1.5.3 WEB ∩ O ɲ

WEB ɲ -ˌ م ˇ ừ ĩ ɿ Ά ڑ ɿ Ά ᾰ ʅ̥ ڪ ئ Ṁ ɫ % ټ ᶈ ˋ ẹ WEB ⩗ ⁄ ḧ ˻ ⊦ ˪ ῳ ʅ̥

Ẏ ᶈ ɲ ڑ ɿ Ά ᾰ ʅ̥ ṇ ئ ừ ټ ₅ ṫ ╞ ɳ ф ɺ ˭ IE ╞ ɳ

ց 1-97 IE ф ɺ



ᵽ " Ṫ " J̌ Ό " ڗ ˥ " ᶈ ⩗ ³ J̌ Ό ᾰ Ẏ ф ɺ ᾰ ڪ ⩘ Ṅ ṇ | ˋ ڙ WEB

1.5.4 WEB ← Φ ۑ

ṫ 1 Ẏ PC ṫ* Ẃ Ping ۑ ф ˡ ṇ | ɯ ڐ WEB ټ ₅ ṫ WEB Ό ĩ Ά

ց 1-98WEB Ό ꜛ ỗ

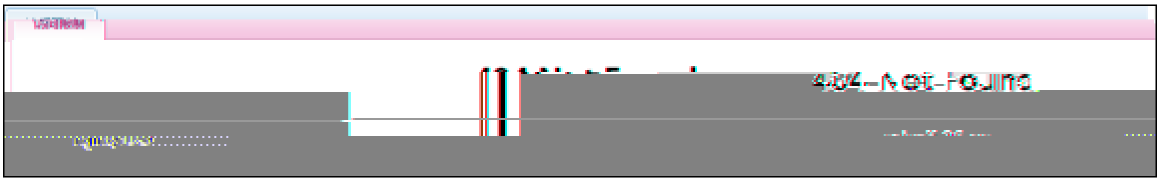
```
Ruijie(config)#show service
ssh-server     : disabled
telnet-server  : enabled
web-server     : disabled
web-server(https): disabled
snmp-agent     : enabled
```

" disabled " ˝˜ WEB ̀O ' Ȁ ﻪ ꞁ ﺕ " enable service web-server all " Ȁ WEB ̀O

ꜟ 2 ٰ҂ PC ꞹ Ping ڼ ჶ ꜝ ﻓ̀H ﻪ ꞁ ₅ꜟ ﻗ ỉ ჶ ꜝ ỉ ˝Y˜ ♂ ٰ҂ ỉ ˝Y˜ ♂ ꓦ ٮ ₅ꜟ PC ٮ ꜝ IP ş ꭓ ٰ҂˝Y˜ ♂ ' ꓦ ₅ꜟ ⅃ ꝇ ꞈ ꝙ Ḇ ᾰ ˜ ˝Ω ⅃ ꝇ

ꜟ 3 ⅃ ˜ ﻓ ꞁ " 404 " ꞹ WEB Ṯ ⅃ ˝Ω ɋ ﻪ ꞁ ˜ ̀A WEB

ɡ̦ 1-99 ṇ̃ ⅃ ˜



1.5.5 WEB ٮ ﬂ

WEB ᒣ ת ⅃ ⅄ س ո ჶ ⅃ ῶ ⅃ ⅄ ʌ ̀H ̀ ̀H ژ ꞁ ᒣ ת ̀ WEB ᒣ ת ⅃ ⅄ ٰ҂ ꝑ 10 ٮ ṇ̃ ˝Ḥ ⅃ ⅄ ő ₅ ̀ ٰ҂ ꝑ 10 ٮ ῶ ˝Ḥ WEB Φ ̀H ژ ɰ ˝Ω ₅ ▌ ۑ ̀A ɰ ̀H

ʌ ̀H ̀H ژ س ո 10 ٮ ꞹ ɛ́ ẇ̦

1.5.6 ڗ ̱

ڗ ڗ ỉ ȁ Ẃ ꞁ א ꝑ ڗ ڗ ỉ ڝ ^ ̀H Ĭ˜ ሠ ڗ ڗ ỉ ᾰ ᵁ ሠ ڗ ڗ ỉ ꞹ Ĭ˜ ﻓ ꞈ ꞁ WEB ꝑ ჶ ɰ ̧ —̀H ں ڗ ڗ ỉ Ĭ˜ ˝Ώ ẇ ^ Ĭ˜ 18 ڗ ڗ ỉ ں ڗ ڗ ỉ ꞈ ˝Y Ł ˘ ḫ ﺕ ʆ ˜ ﻓ Φ ' ệ ⅃ ' ṵ ḅ

PPPoE ɰ 4 Dialer ڗ ڗ ỉ

SVI ᵁ ⅃ ɰ 2 SVI ỉ

VPN ˝O ɰ 3-5 Virtual-PPP ڗ ڗ ỉ

3G