WEB

UJ0V5:33K ﻯ ‟Ω

S5700H_RGOS11.4(1)B42

ă ⁶ ν V4!3

ꞔ ¢ i ꞔ i ¢ ᴉ̈ ¢

/ אַ ¢ אַ ꞔ ¢

3.

ɛ̇ q ب ̎ ɰ̓ ˧ ˦ ʒ ª ẖ گ ˡ í j ˧ ẖ گ Ḥ ˽ ʅ Ỹ Ł ᵝ Ä Ḥ Ẏ ˧ ˦ ʒ ڤ Φ ب ᒧ

ɛ̇ q ɰ̓ Ĭ ˜ Ụ ˡ í ᵍ ω̃ Ꞇ Ĕ ᵝ ⊣ ḳ ɛ ḅ ᵝ ʒ ὠ ݣ ˧ ζ ꞇ Ĭ ˜ Ụ ت Ꟁ ẖ گ ˀ Ȿ ᶵ
Ụ ꭥ

ɛ̇ q ╧ ت ˦ ᴴ ت ˦ ᴴ ᵝ ꞡ ‰ Ꞃ ˊ ˘ Ỵ ï ت ˦ ᴴ Ꟁ ݽ Φ ت ˦ ɳ s Ṗ Ω̋

1 Eweb

1.1

ǐ ˝A ǐ ╞ η ᴴ ε ḅ IE ζ ԓ ݣ ˝Ω WEB ˥ ת ˧ ﾑ ʃ ˥ ת ˝Ω

WEB ˥ ת ὑ WEB ʿO ה ᴴ ⁼ WEB ḭ ˝A ˦ ﻝh ʿ WEB ʿO ה ᴴ ﻮ ᾰ ᶈ ₯ ᵎ ì ǐ ʃ ì ὡ ⁼ ʃ ת ḭ ˝A ˦ ʃ ￼ت ∂ ε ح ה WEB ᾰ ᾰ̃ ˝EΦ ᵘ ҧ ت ∂ ζ Ẋ ˝H ʃ ת ﻟ ʽ ﻒ ﾗ ﾑ ḭ ˝A ˦ WEB ḭ ˝A ˦ ᶇ Ẃ˝Y ﻼ ﾑ ╞ η ᴴ ḅ IE

˝ S57H ˋ ￠

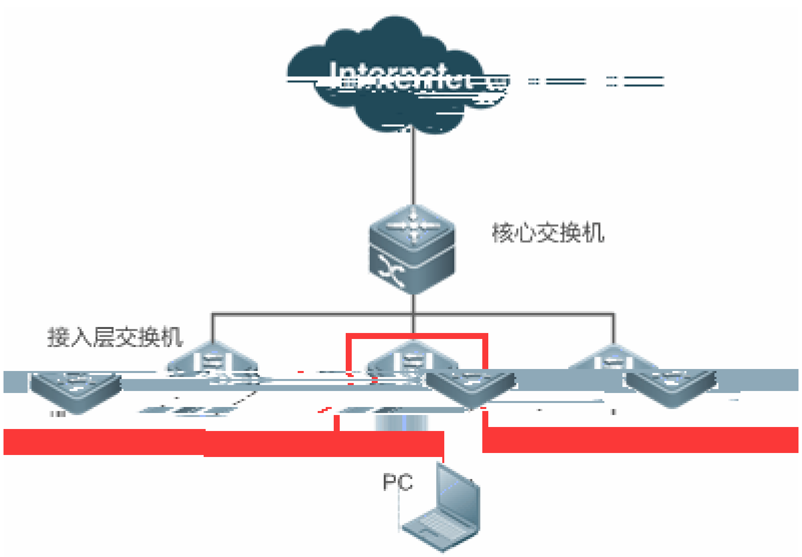
1.2

Ɛ ʒ Ẕ ǐ	ʄ ˜ ὼ ݣ
ᶇ ﺹWEB ˥ ת ₯ ᵎ	Ḣ ᾰ ˝Ω ˀ Ẕ ﺐ ﻟ ᵅ ǐ ˝A ˡ Ꝏ ᶇ ﺹ ╞ η ᴴ ԓ ݣ WEB ˥ ת ˧ ﾑ

1.2.1 WEB

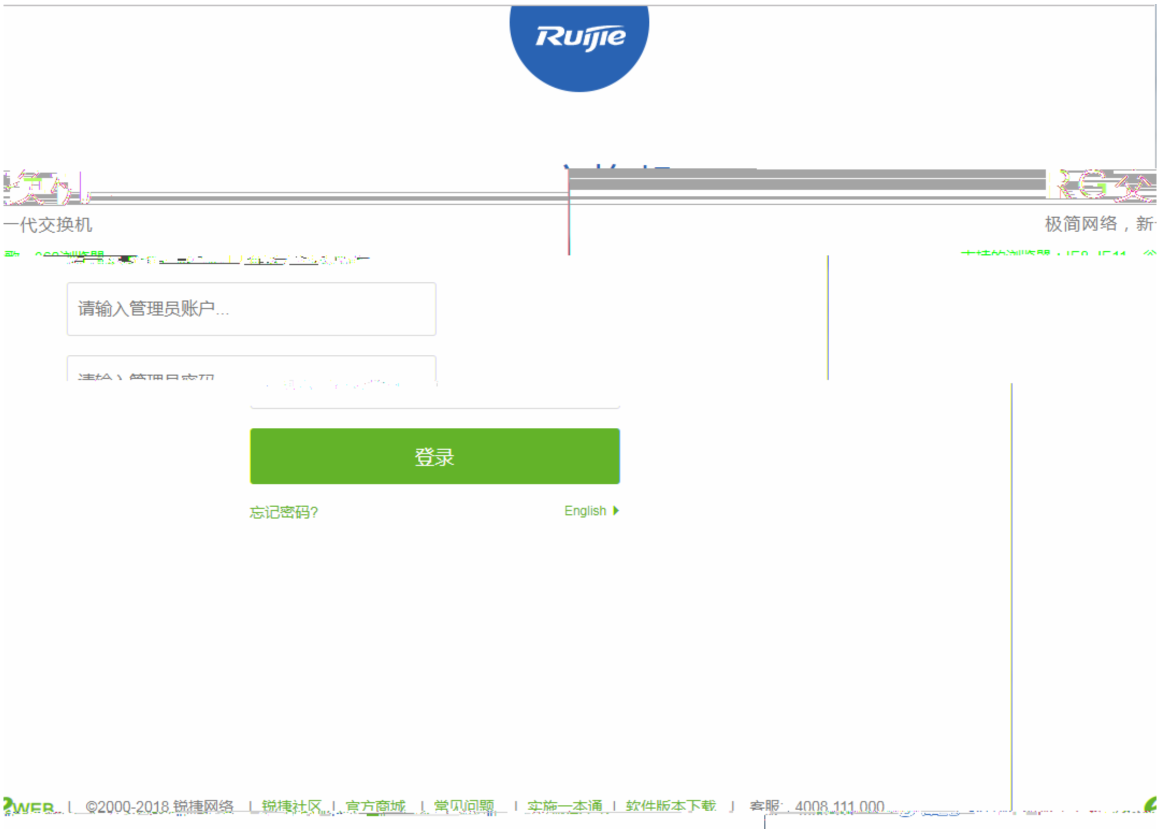
ḅ ï ᶃ ˝A˜ ǐ ˝A ˡ ᶇ ﺹ PC ╞ η ᴴ ԓ ݣ ì ᾰ Δ ἳ ˝Ω ￼ WEB ˥ ת ˧ ﾑ Ḿ ₯ ᵎ ﻕ Φ ˥ ת ⁼ ﺐ ﻟ

ᶃ 1-1



├ ۭ ჟ ᠰ↑ ֆ ៲ ㎛ զ և ڏ ˝Ώ . PC ΐ ㇱ ping ۑ أ ˝Ώ ő ˡ Ҩ և ڏ Ն WEB ᄀ ת ᠰ ﾉ

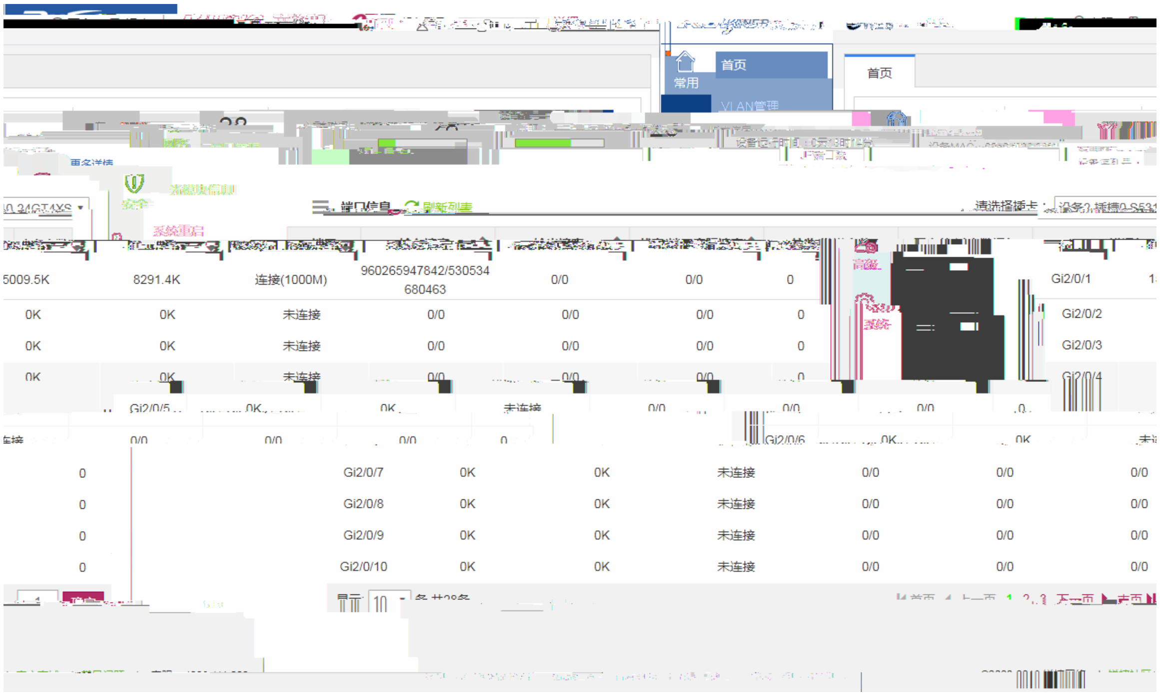
ڎ



ڑ ﺕ˝A ª ⊃ Ḻ ɑ ᵱ` <` ẹ> ƛ ﺕ˝A ª ⊃ Ḻ ḅ ï

ꭒ - ᾰ ı ᾰ Ḻ ջ ᵅ Ṅ ڨ WEB ᒣ ภ ǯ ̎ ͔ ꭒ - ᾰ ı ᵅ Ṅ ڨ WEB ᒣ ภ ǯ ̎ ͔ ḅ ï ģ

ģ 1-3 WEB ᒣ ภ Ẉ ᒍ ǯ ̎ ͔



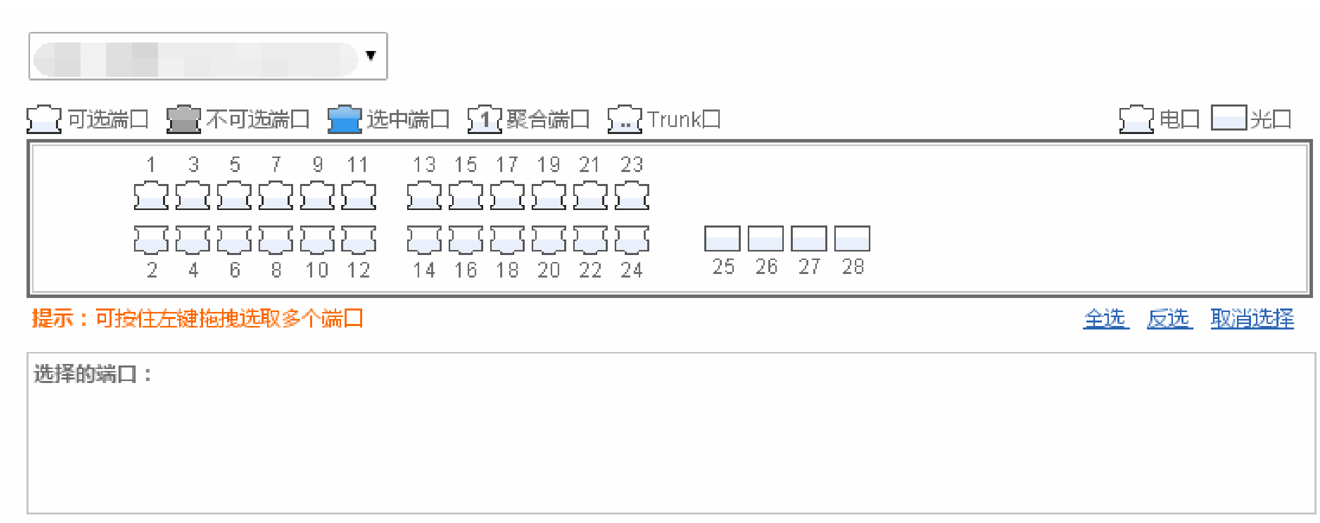
Eweb ڭ ¯Eweb ǚ ° ¢

1.3 Eweb

ƍ‰/˝Yڭ	ب ˝
编辑	ال ǯ ɐ` Ȋ ƍ‰ ˡ Ѡ ال ǯ Ē J̌ OBJ L ẹ
删除	ڽ
ON	ꜛ õ À ƍ‰
	ˡ J̌ ˦ ɐ` ᾰ ᾰ↑ J̌ ˡ Ѡ џ ˦ Ψ ᾰ ɒ J̌ ˦ ɓ
	j ˡ J̌ ˦
	J̌ ˦
1	ǐ ˦ ˦ ˛ OBJ ˝Ω È Ҧ ˊ ǐ ˦
	Trunk ƥ VLAN ˥ ת/VLAN ֆ ال ˝ ˳ OBJ ˳ — ῶ א
保存设置	è ˝Yڭ ώ Ẋ è ڗ OBJ Ų

+	▌ ˀ Ֆ ܿ
×	ݑ Ֆ ܿ
全选　反选　取消选择	ͅ — ۲ ῄ ʃ ת ˝Ḥ ͅ — ï Ά ب ˝ ῶ ˡ ˆ J̌ ͅ — ۼ ῶ ڢ ڃ ì ˝Ḥ
*	ọ ˡ ˚ ڵ ژ ↑ ª ͅ V ῶ ĺ ۱ ب ˝ ĺ J̌ ˚ ọ ˡ
	ب ˝
	ۼ ͻ

Ֆ ˡ ͅ — g̦



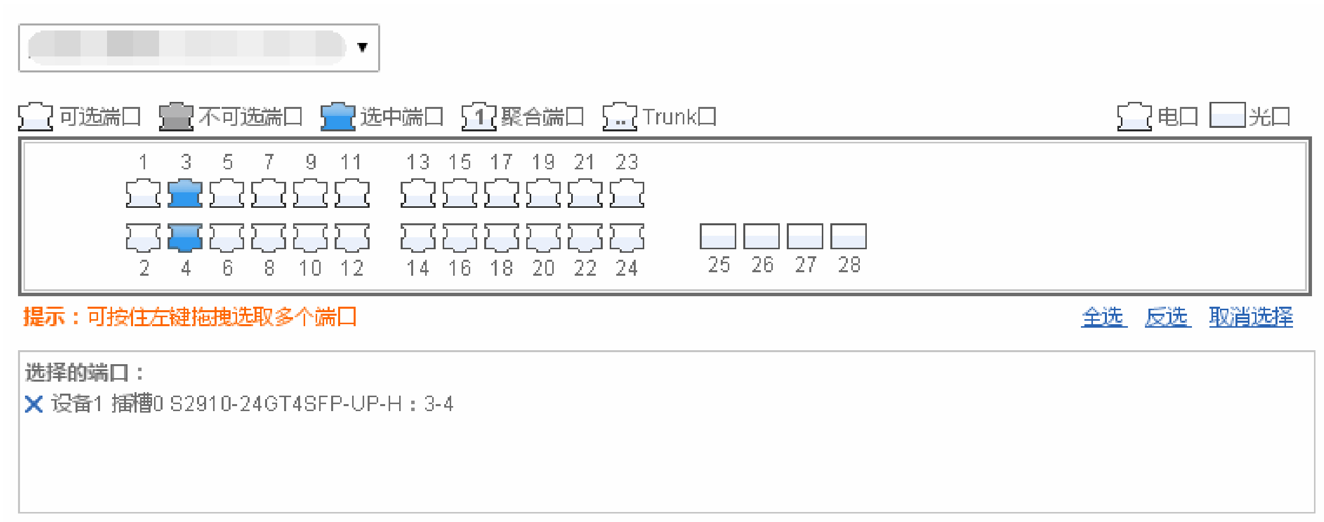
ͅ — ⅎ

ṫ ï ư ï ˜ǀ ‴ ˝˜ Ḝ Ֆ ˡ ڃ ژ ۲ ͅ — ˝˜ Ḝ J̌ ḁ ۲ ˜ Y g̦ ᵽ ` ḁ Rs ï ˜ǀ↑ ˡ Ꝏ ˝Ω ḁ ͅ —

ͅ —˝Ḥ

ˡ Ꝏ پ ص ش‰ ᵽ ` ͅ — ï < ۲ > ӑ ӓ ӧ ش‰ J̌ ˆ < ۲ > < ۲ > ψ ӓ < J̌ ۲ > W Ḿ J̌ < ۲ > ڨ Φ Ֆ ܿ
ḅ ▌ ˀ ۲ ῳ ڭ ۲ ﮮ Ꝏ ۲ ں ه ۲

Ֆ ˡ ͅ — J̌ ۲ g̦



⁞ ˜Ω WEB ˥ ˛ ṫ ڗ ￼ ᛋ o ˝ ᶾ ɭ˴ ƀ ï ı ı̃ ﻟﺐ ﺭ

ı ı̃ ˭ ớ	ˀ
ث ˜	ˡ Ꞷ˺ ˜ Ⴗ Ụ Ꞓ ˡ ₦
VLAN ᛋ ת	ˡ Ꞷ Ꞓ ﺭ VLAN ˭ Trunk
Ⴗ ᛋ ת	ˡ Ꞷ Ḿ Ⴗ ڨΦ ᵍ Ꞓ ﺭ Ꞷ Ꞓ ﺭ Ⴗ ỉ Ⴗ ﻳ Ⴗ ﻫ ﺱ
ӿ ₩ ę Ụ	ˡ Ꞷ˺ ˜ ἀ Ꞓ ˡ ￼ ӿ ₩ ę Ḿ Ƶ ￼ Ụ
POE Ꞓ ﺭ	ˡ Ꞷ Ꞓ ﺭ ṕ POE ˭ Ⴗ POE ￼ ķ
Ⴗ ᛋ ﭖ ᵏ	ﭖ ᵏ Ꞓ ˡ
MAC ȿ ϗ	ˡ Ꞷ ڨΦ ˉ ȭ ȿ ϗ Ꞓ ﺭ ˭ ﺹ ˗ ȿ ϗ Ꞓ ﺭ
ث ˑ Ꞓ ﺭ	ˡ Ꞷ Ꞓ ﺭ ث ˑ
ɨ ᾰ ‴ ɲ	ˡ Ꞷ Ꞓ ﺭ ɨ ᾰ ‴ ṕ ᵍ Ụ Ꞷ ɨ ᾰ ‴ Ⴗ Ꞓ ﺭ RLDP Ꞓ ﺭ
IGMP Ꞓ ﺭ	ˡ Ꞷ Ḿ IGMP Snooping ڨΦ Ꞓ ﺭ
DHCP ᛋ	ˡ Ꞷ Ꞓ ﺭ DHCP ᛋ
i ﺭ ḫ ᵉ ɲ -	ˡ Ꞷ ڨΦ ᵘ ﺭ web ɲ - ﺡ ᛋ ﻟﺐ ﺭ
DHCP Snooping	ˡ Ꞷ Ꞓ ﺭ DHCP Snooping
ﮔ ARP ῳ̈˴	ˡ Ꞷ Ꞓ ﺭ ﮔ ﺭ ARP ₱ ﺝ ARP ₅˺ Ꞓ ﺭ DAI Ꞓ ﺭ ARP ˝ ˚
IP Source Guard	ˡ Ꞷ Ḿ ì Ꞓ ﺭ ˀ ˝A ﺭ ḧ
Ⴗ Ḡ	ˡ Ꞷ Ḿ Ⴗ Ḡ ڨΦ ᵍ Ꞓ ﺭ Ḡ ﺭ ḧ
NFPP	ˡ Ꞷ˺ ˜ NFPP ﮔ ῳ̈˴ ˀ ķ
ɭ Ÿ í˙	ˡ Ꞷ ڨΦ ɭ Ÿ í˙
Ⴗ ï	ˡ Ꞷ Ꞓ ﺭ Ⴗ ï
DHCP ﻟﺐ ﺭ	ˡ Ꞷ Ꞓ ﺭ DHCP ˉ ȭ ȿ ϗ˴ ﺏ ḭ ˝A Ⴗ ˝
ACL	ˡ Ꞷ Ꞓ ﺭ ACL ˝ ACL ˋH ڗ Ƶ ˀ ACL
QOS	ˡ Ꞷ ڨΦ˴ ɨ Ꞓ ﺭ Ⴗ ﺹ Ꞓ ﺭ ╙ Ꞓ ﺭ

ﻠ ﺍ Ֆ ﻟ ˡ Ꟈ Ֆ ﻟ ﻠ ﺍ ˋH ﮋ ὼ ḹ Ỡ ᵾ ˛ Ֆ ﻟ щ Ặ ı ἴ SNMP

1.3.2

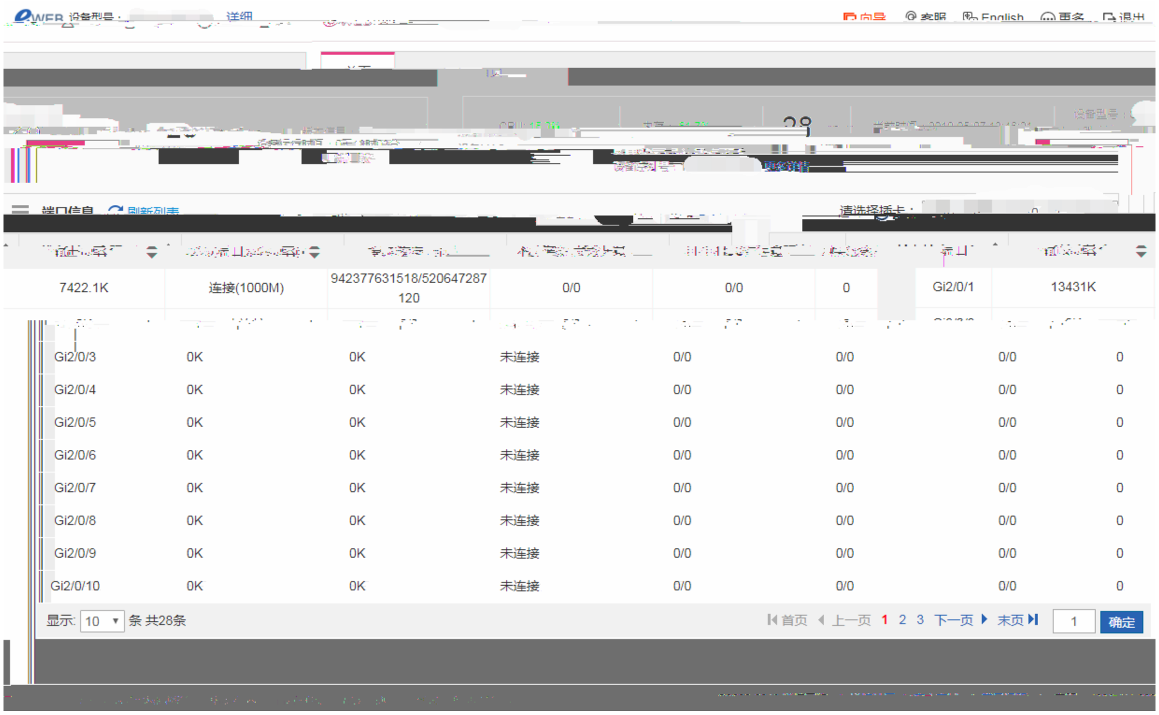
ﺺ ᥱ ᐟ o ɒ Ŵ ﾜ ƀ ˡ Ꮯ ﻕ ᐟ o ᵍ ﺙ ˘ VLAN ᒣ ת ᑋ ᒣ ת ҳ ₩ ę Ụ POE Ꮷ ﻟ ᑋ ᐟ ﭖ ᵏ

1.3.2.1

ﺺ ᥱ ᑋ ᐟ ﺙ ˘ ˡ Ꮯ˜ Ꮷ ﾞ ﻟﺐ Ụ ᑋ ᵍ Ụ ᑋ ᐟ ɰ ḳ

ᑋ ᐟ ﺙ ˘ ˘ ﹳ ƅ ï ᶃ

ᶃ 1-5 ᑋ ᐟ ﺙ ˘



ش‰ ᐠ ˜ ^ ۇ ὒ VSU ע ᴸ ï ˡ Ꮯ˜ Ꮡ Ꮷ ﾞ Ụ

1.3.2.2 VLAN

VLAN ᒣ ກ ˝ ˾ ᵍ ϸ VLAN ф ⅃ ƃ ⁼ ϸ Trunk ф ⅃ ƃ ωῃ˴

VLAN

VLAN ф ⅃ ￼ ˝ ˾ ƃ ï

ɡ 1-6 VLAN ф ⅃

ǰ ̳ — ˦ ˡ Native Vlan ⁼ ƿ ȵ ص VLAN(ƥ 3-5,8,10) ᴇ ` ɒ è ф ɹ ɓ ώ ˜ ɒ ф ɹ ᾰ ı ɓ Ḣ ᾰ ▌ ɼ ̎Ḥ ▌ ɼ Trunk Ĭ ˜ ƿ Trunk ˊ

ﻧ ڗ Trunk

ƿ ɒ Trunk ˊ ɓ ᴇ ` • Trunk ̎ ̳ Ĭ ˜ Ꭵ Trunk Ụ Ḿ Ụ ڤ Φ ﻧ ڗ ώ ᵅ ᴇ ` < ﻧ ڗ ф ɹ > ώ ˜ ɒ ф ɹ ᾰ ı ɓ ˡ

ٹ Trunk

ƿ ɒ Trunk ˊ ɓ ش ‰ №₆ • Trunk ı ǰ < ٹ > ց ‰ ώ ˜ ɒ. ḧ ˪ ٹ Ꭵ Trunk ɓ ᴇ ` . ḧ ώ ˜ ɒ ٹ ᾰ ı ɓ Ḣ ᾰ ٹ

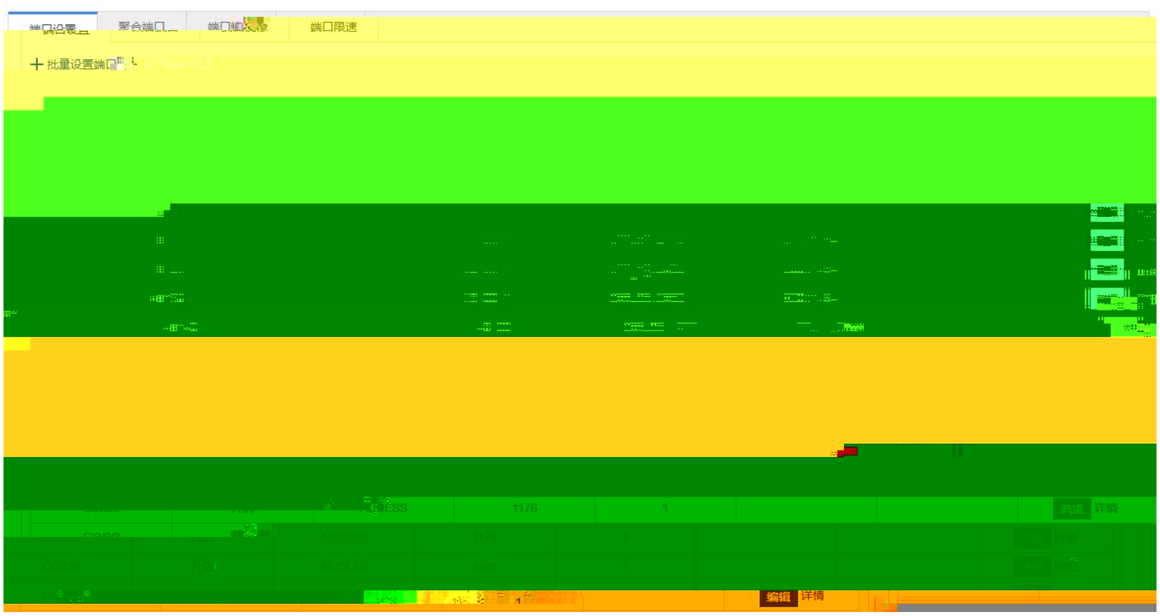
ῆ ٍ ٜ ٹ Trunk

ƿ ɒ Trunk ˊ ɓ ǰ ̎O ˪ ٹ Trunk ǰ < ῆ ٍ ٜ ٹ > ց ‰ ώ ˜ ɒ. ḧ ˪ ٹ Trunk ɓ ᴇ ` . ḧ ώ ˜ ɒ ٹ ᾰ ı ɓ Ḣ ᾰ ٹ

1.3.2.3

ɒ ˦ ˥ ת ɓ ˡ Ⴍ Ḿ ˦ ڤ Φ ᵍ ф ɹ Ⴍ ф ɹ ˦ ĭ ˦ ﺪ ˦ ﻫ ﺱ

ց 1-8 ᵍ ф ɹ

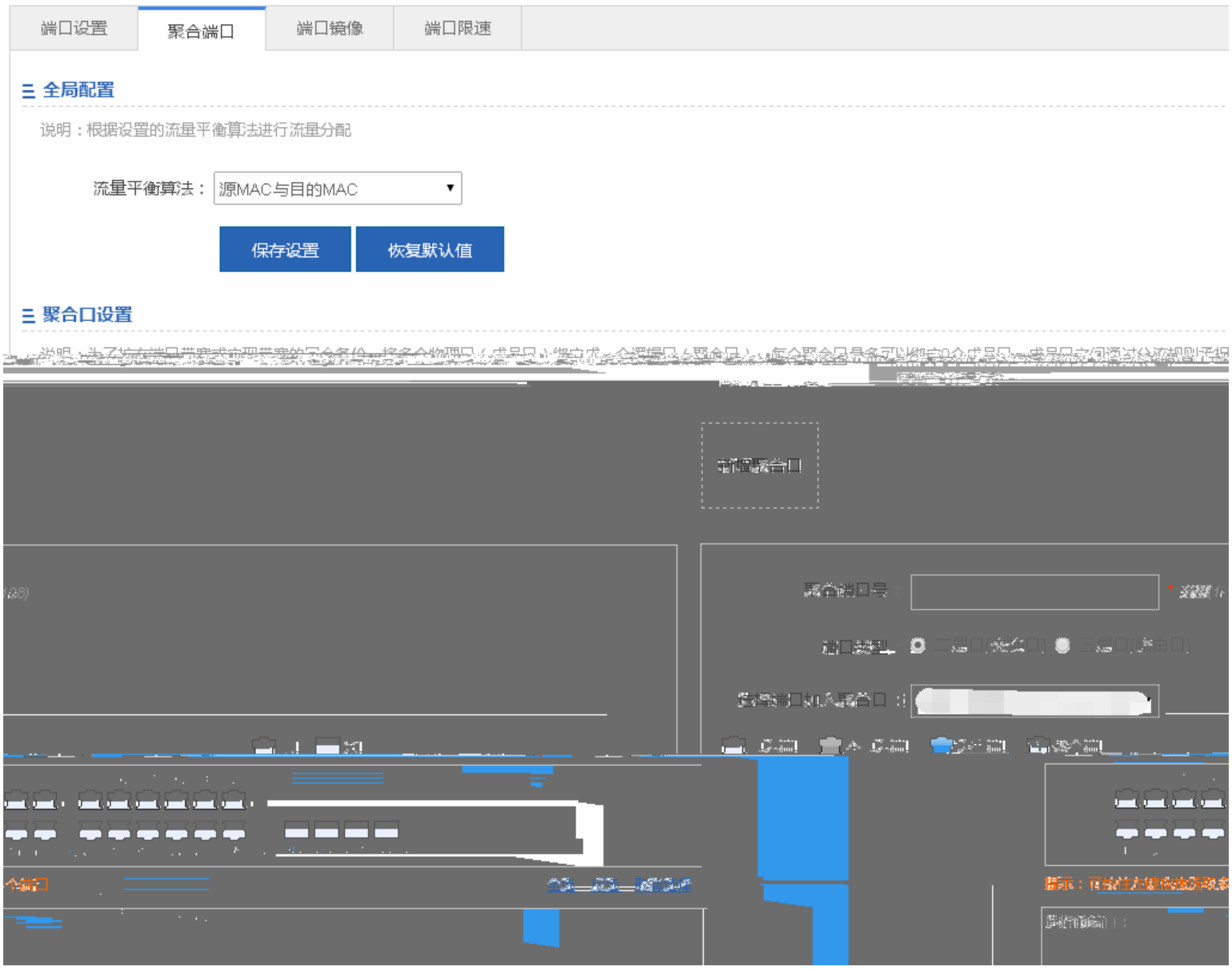


ۼ ڗ ۹

ϸ ϸ ۹ ˝ ɓ ῳ ª ˝Ḥ ″ ï <ۼ ڗ >ց‰ ˘ ˛ Ĭ˜ Ĩ ۹ Ụ Ḿ Ụڤ Ф ۼ ڗ ª ϱ` <Ḣ ᾰ ڀڶ >ῳ˜ ϸ Ֆ ڶ ᾰ ı ɓ ˡ

۹ ĩ ˘ ˛ ɓ ï

ց, 1-9 ۹ ĩ



▌ɿ ĩ

ڕ ĩ ۹ Ẋ J̌˝Ơ ᾰ ˆ ۹ ª˜Y ϸ ▌ ɿ Ֆ ڶ ɓ ῳ˜ ϸ Ֆ ڶ ᾰ ı ɓ Ḣ ᾰ ĩ ۹ ▌ ɿ˝Ḥ ▌ ɿ ᾰ ı ª ˛— Ĭ˜ ¸ <ĩ ۹ >

ۼ ڗ ĩ

˛— i Ĭ˜ ĩ ĩ <j ˡ J̌ ۹ > ɓ ' ꞁ ۼ ڗ ῳ ˡ Ꝏ ϸ ϸ ۹ ĩ ˝ ɓ ϱ` • ĩ ª ڤ`H ϸ ᾰ ˆ ۹ ɓ ȭ ψ ᾰ J̌ ꜛ ȭ ϱ` ۹ ˡ Ꝏ ⴖ ╤ J̌ ɫ ª W ϱ` ϸ ۼ ڗ Ֆ ڶ ɓ ˡ Ꝏ Ḿ ĩ ۹ ڤ Ф ῳ˝Ḥ

ﭧ ẫ

ᵽ ɒ ˦ ẫ ˊ ɓ ﺵ‰ ˥₆ ẫ ¡ ᴾ ˋ < ﭧ>ᶃ‰ ώ˜ ĩ ﭧ ẫ ˦ ￼ ɒ↑ ᴾ ˋ . ɒ ˡ ẖ א ẫ ˦ ￼ ﭧ ̈Ḥ ﭧ ᵅ ⁼ — Ṅ ɋ ﭧ￼< ẫ ˦ >ψ ᾰ< ˡ J̌ ˦ >

ῃ ﻳ ﭧ ẫ

ᵽ ɒ ˦ ẫ ˊ ɓ J̌ ̋O ɭ ﭧ￼ ẫ ᴾ ˋ <ῃ ﻳ ﭧ>ᶃ‰ ώ˜ ĩ ﭧ ẫ ˦ ￼ ɒ↑ ᴾ ˋ . ɒ ˡ ẖ א ẫ ˦ ￼ ﭧ ̈Ḥ ﭧ ᵅ ⁼ — Ṅ ɋ ﭧ￼< ẫ ˦ >ψ ᾰ< ˡ J̌ ˦ >

ARP ɩ ¡ ¡ ARP ¡ ¡ MAC VLAN ɩ ¡ ¡ ¡

web

1-11


端口设置
聚合端口
端口镜像
端口限速
批量配置限速端口
批量删除限速端口
端口
输入速率(Kbps)
输出速率(Kbps)
操作
10000
删除
Gi1/0/9
100000
10000
删除
Gi1/0/11
100000
首页
上一页
1
下一页
末页

1.3.2.5 POE

Ꭰ POE ф ﻟ Ꭰ ꒐ Ꞷ Ḿ ꒙ ﻕ Φ

ℊ 1-14 ṕ Ֆ ﺎ

˘ ˬ i Ĭ˜ Ֆ ꞉ ꞁ ꞉ Ở ꞁ ' Ở ꞁ ' ɔ ᘃ ת ₩ Ã J̌˝O ɔ ᘃ ת ₩ Ã ª ᴩ ̀ ɒ è Ֆ ﺎ ɓ ڤ Φ ب ﺎ

1.3.2.6

ﻻ ﺄ ب ᵏ ˘ ˬ ƅ ï

ℊ 1-15 ﻻ ﺄ ب ᵏ

ᴩ ̀ < ب ᵏ Ֆ ꞉ > ώ˜ ɒ ȟ ꞁ ب ᵏ Ֆ ꞉ ɓ ᴩ ̀ < ռ > ˜Y ٿ ª ɧ ﬡ Ֆ ꞉ ب ᵏ ب ᵏ ص ٧ ﺀ ꞁ ˝Ώ ت ̀H ڗ ت ᾰ Ọ ٧ ể Ֆ ꞉ ب ᵏ ª Ṅ ˢ ˎ Ȁ ˘ ˬ

1.3.3

ٽ ص ᏗѲ ɒ ᏗᏗ ƃ ˡ Ꝏ ڨ ᏗѲ ᶢ MAC ʂ ӽ ٿ ˈ ф ـا ˈ ᾰ ‴ ɲ IGMP ф ـا DHCP Ꮧ ф ـا ἰ ـا
ẖ ᵉ ɲ - Ḡ ٽ ێ

1.3.3.1 MAC

MAC ʂ ӽ Ꮧ ת ̎ ˯ ᶢ ɒ ̄ ȭ ʂ ӽ ф ـا ƃ ⁼ ɒ ص ٮ ʂ ӽ ф ـا ƃ ա ́

̄ ȭ ʂ ӽ ф ـا ̎ ˯ ƅ ï

ǥ 1-16 ̄ ȭ ʂ ӽ ф ـا

▌ ז ̄ ȭ ʂ ӽ

ф ـا ̄ ȭ ʂ ӽ ọ ꜫ ˡ MAC ʂ ӽ VLAN ID Ꮧ ₾ ɒ Ḣ ᾰ ب ـا ƃ ώ ̃ ɒ ф ـا ᾰ ı ƃ ᵅ Ĭ ̃ ɒ ̄ ȭ ʂ ӽ ́

ـا ȭ ̄ ȭ ʂ ӽ

₾ ɒ ̄ ȭ ʂ ӽ ́ ƃ ώ ᵅ ῎Ḥ ″ ï <ـا ȭ >ǥ‰ ̎ ˯ Ĭ ̃ Ỉ ̄ ȭ ʂ ӽ Ụ Ṃ Ụڨ Φ ـا ȭ ᵅ ₾ <Ḣ ᾰ ب ـا>
ώ ̃ ɒ ф ـا ᾰ ı ƃ ˡ

ٺ ̄ ȭ ʂ ӽ

ɒ ɒ ̄ ȭ ʂ ӽ ́ ƃ J̌῞Ο ˄ ῒ ʟ ẹ ₾ ɒ ٺ J̌ ̄ ȭ ʂ ӽ ƃ ῆ ̤ ٺ῞Ὼ῞Ὼ

2 ζ ₾ ɒ ̄ ȭ ʂ ӽ ́ ƃ ώ ᵅ ῎Ḥ ″ ï < ٺ>ǥ‰ ώ ̃ ɒ ῇ ٺ J̌ ̄ ȭ ʂ ӽ ƃ ᵏ ɒ Λ ɴ ẖ ̃ بٺ J̌ Ċ Ċ ẖ ٮ

ĩ ص ۔ ş ҳ

ȹ ݖ ص ۔ ş ҳ ǫ ٫ ˡ MAC ş ҳ ⁼ VLAN ID ɐ ɒ Ḣ ӑ ݖ ɓ ώ ɒ ȹ ݖ ӑ ı ɓ ª Ĭ ǹ ˍ ȭ ş ҳ

ߖ ڗ ص ۔ ş ҳ

ɐ ɒ ص ۔ ş ҳ ɓ ω ª ˝Ḥ ″ ï < ߖ ڗ > ց‰ ˶ Ĭ ĺ ص ۔ ş ҳ Ụ Ḿ Ụ ڨ Φ ߖ ڗ ª ɐ <Ḣ ӑ ݖ> ώ ɒ ȹ ݖ ӑ ı ɓ ˡ

ڻ ص ۔ ş ҳ

ƿ ɒ ص ۔ ş ҳ ɓ ǰ˝O ^ɽ ㄴ ẹ ɐ ɒ ڻ ǰ ص ۔ ş ҳ ɓ ŋ ڽ ˝Ω˝Ω

2 ζ ɐ ɒ ص ۔ ş ҳ ɓ ω ª ˝Ḥ ″ ï < ڻ > ց‰ ώ ɒ ɒ. ḧ ڻ ǰ ص ۔ ş ҳ ɓ ɐ . ḧ ώ ɒ ڻ ӑ ı ɓ Ḣ ӑ ڻ

1.3.3.2

ɒ ٹ ˑ ȹ ݖ ɓ ˡ Ɑ Ḿ ٹ ˑ ڨ Φ ɿ ת

ٹ ˑ ȹ ݖ ˶

ց 1-18 ٹ ˑ ɿ ת

ꞁ Ꝏ Ḿ ł ᾰ ‴ ṕ ˝Ωڤ Φ ب ⅃ ł ᾰ ‴ ₩ Ȃ J̌˝O㎱ ɒ MSTP ƃ ̀H ꞁ Ꝏ Ḿ MST ḫ ڤ Φ ф ⅃

▌ ĭ ḫ

ф ⅃ ḫ ọ ɛ ꞁ ḫ ⁼ VLAN ḫ Ꚇ Ụ ꞁ J̌ ɐ̀ ɒ Ḣ ᾰ ب ⅃ ƃ ῳ̃ ɒ ф ⅃ ᾰ ı ƃ ᵅ Ĭ˜ ᶈ ḫ ˝

ⱀ ȝ ḫ

ɐ̀ ɒ ḫ ˝ ƃ ῳ ᵅ ˝Ḫ ″ ï <ⱀ ȝ > Ⱥ ʛ ᾰ ب ̃ <ʛ ˜ Ɏ ф ᾰ ı ƃ ᵅ ̳ ᶃ

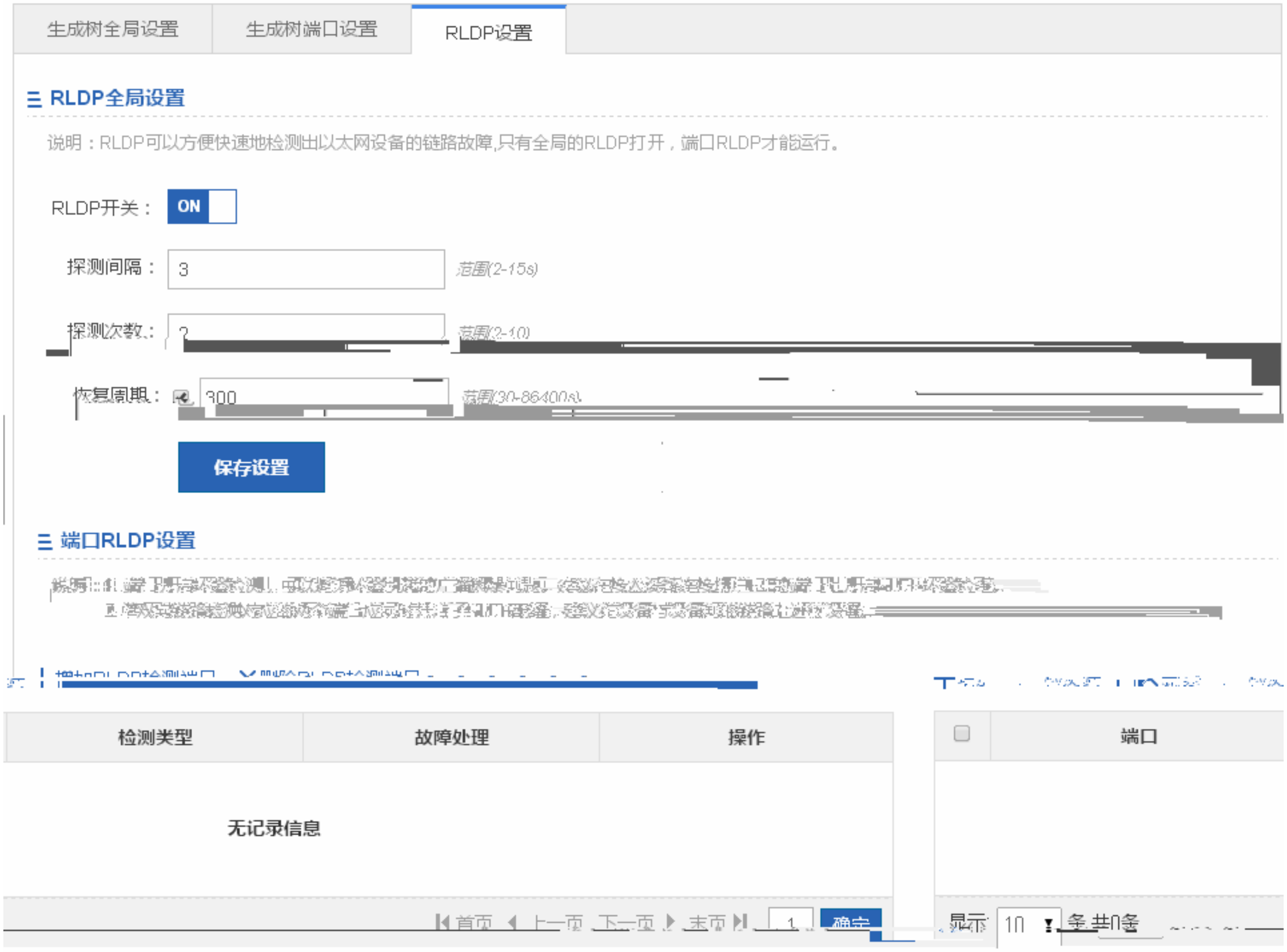
ή ֽ ȹ ﻟ

J̌ ̋O ï ₩Ã Port Fast BPDU ص ف ì ɬ ʒ ժ Ӿ ʌ ʮ J̌ ̋O ժ ڧ Φ ή ֽ ȹ ﻟ

ﻼ ڗ ȹ ﻟ

ƥ ɒ ɨ ӑ ‴ ժ ɓ ώ ª ̋Ḥ ″ ï <ﻼ ڗ > ǥ‰ ̋ ֽ Ĭ ̃ Ỉ ժ Ụ Ḿ Ụ ڧ Φ ﻼ ڗ ª ȅ ̀ < Ḣ ӑ ﺐ ﻟ > ώ ̃ ɒ ȹ ﻟ ӑ ı ɓ

RLDP



1 RLDP ṕ ф ﺭ

ɐ` RLDP Ȁ ˜Yٹ ˡ Ɑ Ȁ ᵏ ᾰ ᾰ ǯ RLDP ı ἳ Ȁ ᵏ ˋH ب ﺭ ή ╜ ڔ ڶ ή ╜ Ҟ˜Ω ɐ` < è ф ﺭ>˜Yٹ ώ˜ ɒ ф ﺭ ᾰ ı ɓ ˡ

2 ٩ RLDP ф ﺭ

▌ ɿ RLDP ₅ ╜ ٩

ǰ˜O ɒ ₅ ╜ ˧ ʒ ɓ ɒ ῷ ݣ ʃ ɲ ɓ ٩ ᵅ ˜Y ɒ ▌ ɿ ф ﺭ ɓ ώ˜ ɒ ф ﺭ ᾰ ı ɓ Ḣ ᾰ RLDP ₅ ╜ ٩ ￼▌ ɿ ˜Ḫ ▌ ɿ ᾰ ı ᵅ Ĭ˜ ɋ ɒ RLDP ₅ ╜ ٩ ˊ ɓ

ٵ ǯ RLDP ₅ ╜ ٩

ɐ` ɒ RLDP ₅ ╜ ٩ ˊ ɓ ɷ ᵅ ˜Ḫ ˮ ï ￼< ٵ ǯ > ģ ‰ ˜ Ĭ˜ RLDP ₅ ╜ ٩ ￼ Ụ Ḿ Ụ ڨ Φ ٵ ǯ ᵅ ɐ` < Ḣ ᾰ ب ﺭ>ώ˜ ɒ ф ﺭ ᾰ ı ɓ ˡ

ڻ ں ھ ٩

ɋ ɒ RLDP ₅ ╜ ٩ ˊ ɓ ǰ˜O ^ἰ ʟ ẹ ɐ` ɒ ή ﮩ ڻ RLDP ₅ ╜ ٩ ɓ ή ﮩ ڻ˜Ω˜Ω

2 ζ ᴾ` ɒ RLDP ₅ ╝ ⅎ ˊ ɓ ῳ ª ˝Ḥ ″ ï OBJ< ڻ > ƍ ‰ ώ˜ ɒ. ῃ ڻ ǰ OBJ˝Ω˜Ω ɓ ᴾ` . ῃ ώ˜ ɒ ڻ ᾰ ı ɓ Ḣ ᾰ ڻ

1.3.3.4 IGMP

IGMP ф ɹ OBJ ˝ ‗ ɓ ï

ƍ 1-21 IGMP Snooping ф ɹ

▌ ı ɹ Ⅵ ⅹ

ф ɹ ɹ Ⅵ ⅹ ọ ء ׀ ɹ Ⅵ ⅹ ‰ Ѷ ⁼ ɹ Ḥ ʂ ẋ ḅ Ꚁ Ụ ׀ ǰ ᴾ` ɒ Ḣ ᾰ بـ ɹ ɓ ώ˜ ɒ ф ɹ ᾰ ı ɓ ª Ĭ˜ ƥ ɹ Ⅵ ⅹ ˊ

ʌ ʒ ɹ Ⅵ ⅹ

ᴾ` ɒ ɹ Ⅵ ⅹ ˊ ɓ ῳ ª ˝Ḥ ″ ï OBJ< ʌ ʒ > ƍ ‰ ˝ ‗ Ĭ˜ Ӏ ɹ Ⅵ ⅹ OBJ Ụ Ḿ Ụ ڤ Φ ʌ ʒ ª ᴾ` < Ḣ ᾰ بـ ɹ > ώ˜ ɒ ф ɹ ᾰ ı ɓ ׀

ڻ ɹ Ⅵ ⅹ

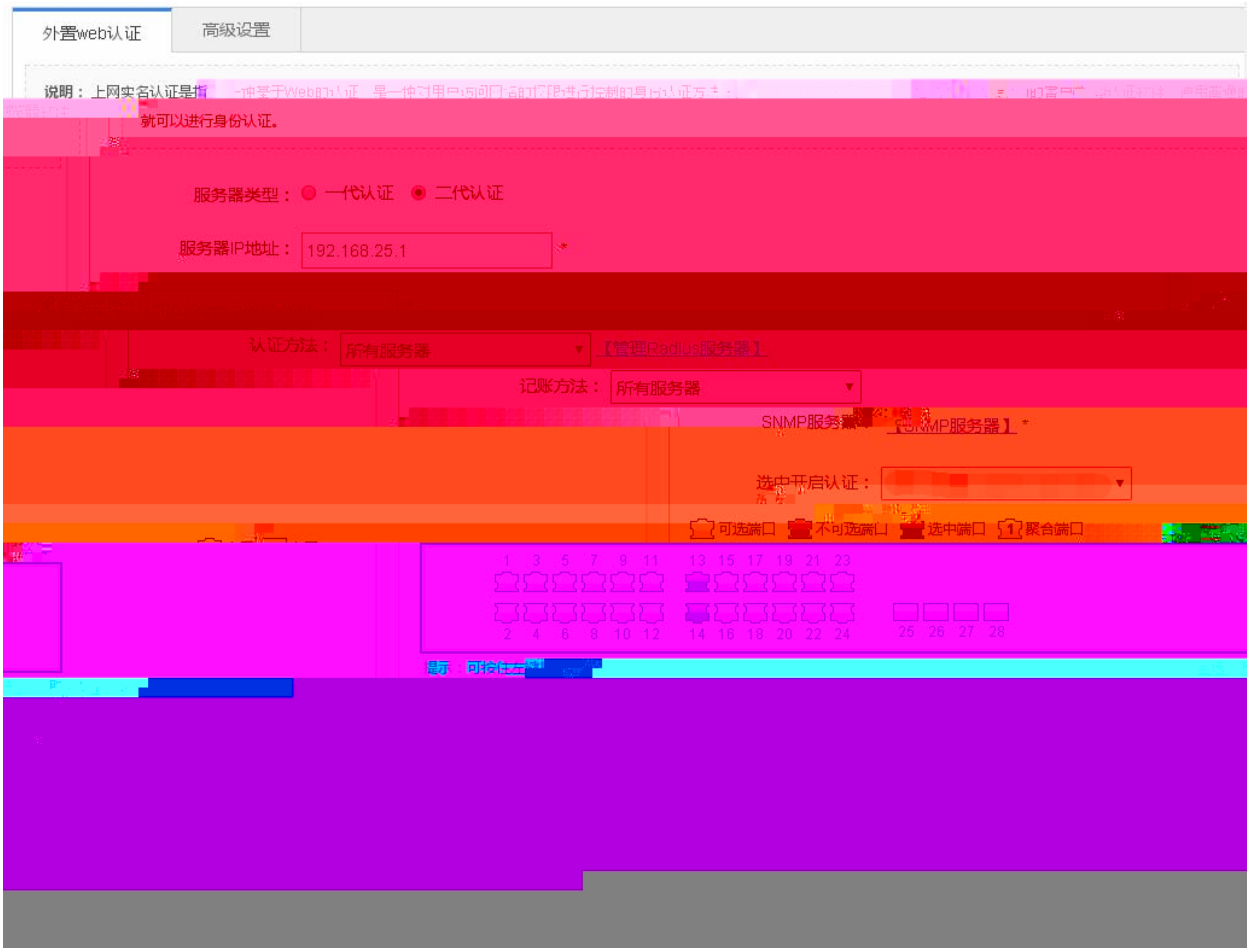
1 ζ ƥ ɒ ɹ Ⅵ ⅹ ˊ ɓ ǰ˝Ο^Ꜧ ᴌ ẹ ᴾ` ɒ ڻ ǰ OBJ ɹ Ⅵ ⅹ ɓ ῄ ॄ ڻ ˝Ω˜Ω

2 ζ ᴾ` ɒ ɹ Ⅵ ⅹ ˊ ɓ ῳ ª ˝Ḥ ″ ï OBJ< ڻ > ƍ ‰ ώ˜ ɒ. ῃ ɩ ڻ Ӏ ǰ ɓ ᴾ` . ῃ ώ˜ ɒ ڻ ᾰ ı ɓ Ḣ ᾰ ڻ

1.3.3.5

ɒ i ɹ ḫ ᵉ ɲ - ɓ ׀ Ѻ ڤ Φ ᵁ ɹ web ɲ - ⁼ ﺡ ⅎ ф ɹ

ƣ 1-22 ᵁ ɹ web ɒ - ‎ɸ ɹ



ˋO ɴ ᴴ IP ʂ ϗ ﭖ ῆ ǯ ˬ ᵯ ọ Ǯ ᴾ ˋ ɒ è ɸ ɹ ɓ ώ˜ ɸ ɹ ӑ ı ˡ

ϡ ⁴ ɸ ɹ ￼ ˬ ˛ ḅ ï

ƣ 1-23 ϡ ⁴ ɸ ɹ

ȵ - ﺭ ﾊ ˚ ◊ ⁼ ȵ - ˀ Ä ˡ Ǫ ȸ ﺭ ˄ ȸ ﺭ Ⴀ ﺑ ﺭ ï ᵉ ȡ è ȸ ﺭ ƀ ǥ‰ ώ˜ ȸ ﺭ ᾰ ı ˡ

1.3.4

ﭗ ﺹ ﾊ o ȡ Ḡ ƀ ˡ Ǫ ﻕ ﾊ o ᵍ DHCP Snooping ﮒ ARP ῳ` IP Source Guard ﾓ Ḡ NFPP ɩ Ÿ í ˙

1.3.4.1 DHCP Snooping

DHCP Snooping ￼ ʷ ˭ ḅ ï

ǥ 1-24 DHCP Snooping ȸ ﺭ

DHCP SERVER ۊ ì ٩ ﻰ ʟ ֆ ﻟ ꭗ DHCP ؙ i DHCP SERVER ṇ̈ ǀ* Ẃ Ṫ ͟ — i ﯢ ٩ Ꮒ ̗ Ỉ ٩ Ȁ ᵏ DHCP ٳ ̈A ꜝ ̗ ì ꝑ ͟ — i ﯢ ٩ ɟ ᵅ ꬲ ̀ < è ֆ ﻟ >̃Yٹ

1.3.4.2 ARP

ɒ گ ARP ۆ̀ ɓ ꜝ Ꝙ ڤ Φ گ ﻟ ARP ₱ ح ֆ ﻟ ARP ₅ꜟ ֆ ﻟ DAI ֆ ﻟ ARP ̗ ˚

ARP

ꞡ 1-25 گ ﻟ ARP ₱ ح

▌ ɾ ص ▾ ٧

ֆ ﻝ ص ▾ ٧ ọ ٤ ا IP ş ẋ ᵽ ` ɒ Ḣ ă ﺏ ﻝ ɓ ώ ~ ɒ ֆ ﻝ ă ı ɓ ª Ĭ ~ ƍ ص ▾ ٧ ´

ﻥ ڏ ص ▾ ٧

ᵽ ` ɒ ص ▾ ٧ ´ ɓ ѡ ª ˜Ḥ ″ ï ⓞ< ﻥ ڏ >g‰ ˜ ˻ Ĭ ~ Ĵ ص ▾ ٧ ⓞ Ụ Ḿ Ụ ڤ Φ ﻥ ڏ ª ᵽ ` <Ḣ ă ﺏ ﻝ > ώ ~ ɒ ֆ ﻝ ă ı ɓ ا

ڟ ص ▾ ٧

1 ζ ƍ ɒ ص ▾ ٧ ´ ɓ J̌ ˜O ^ † ɻ ę ᵽ ` ɒ ڟ J̌ ⓞ ص ▾ ٧ ɓ ή ˻ ڟ ˜Ω ˜Ω

2 ζ ᵽ ` ɒ ص ▾ ٧ ´ ɓ ѡ ª ˜Ḥ ″ ï ⓞ< ڟ >g‰ ώ ~ ɒ. ḧ ڟ J̌ ⓞ ص ▾ ٧ ˜Ω ˜Ω ɓ ᵽ ` . ḧ ώ ~ ɒ ڟ ă ı ɓ Ḣ ă ڟ

ARP

g‰ 1-26 ARP ₅ ‡ ֆ ﻝ

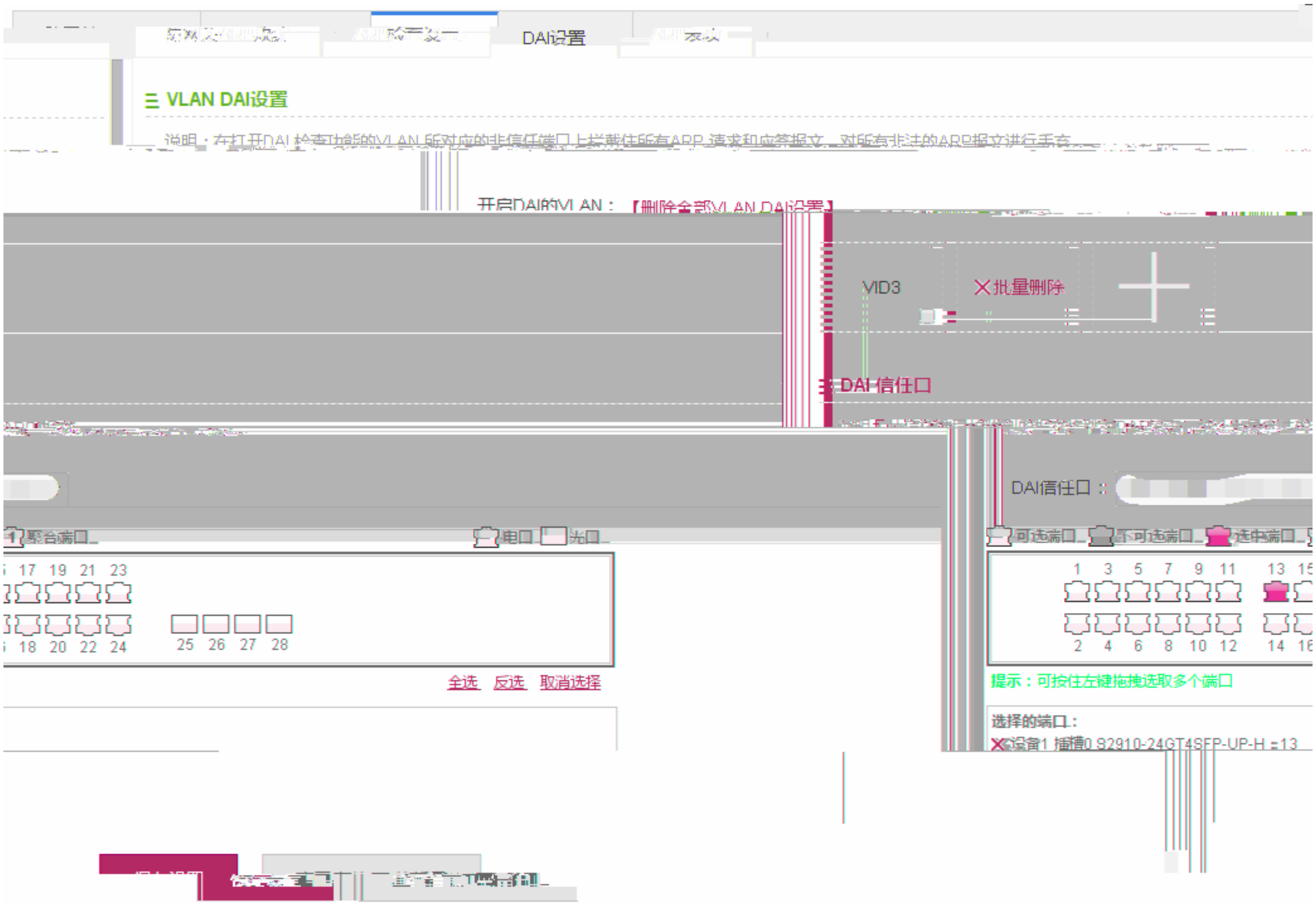
_ — ǰ"O ㄐ Ţ Ã ᵏ ARP ₅¶ ı Ĩ

ت ⁱ ARP ¢ ⁱ

< ARP ⁱ > ش ت ARP ي ¢

DHCP Snooping ⁱ ⁱ ARP ¢

لـ ب



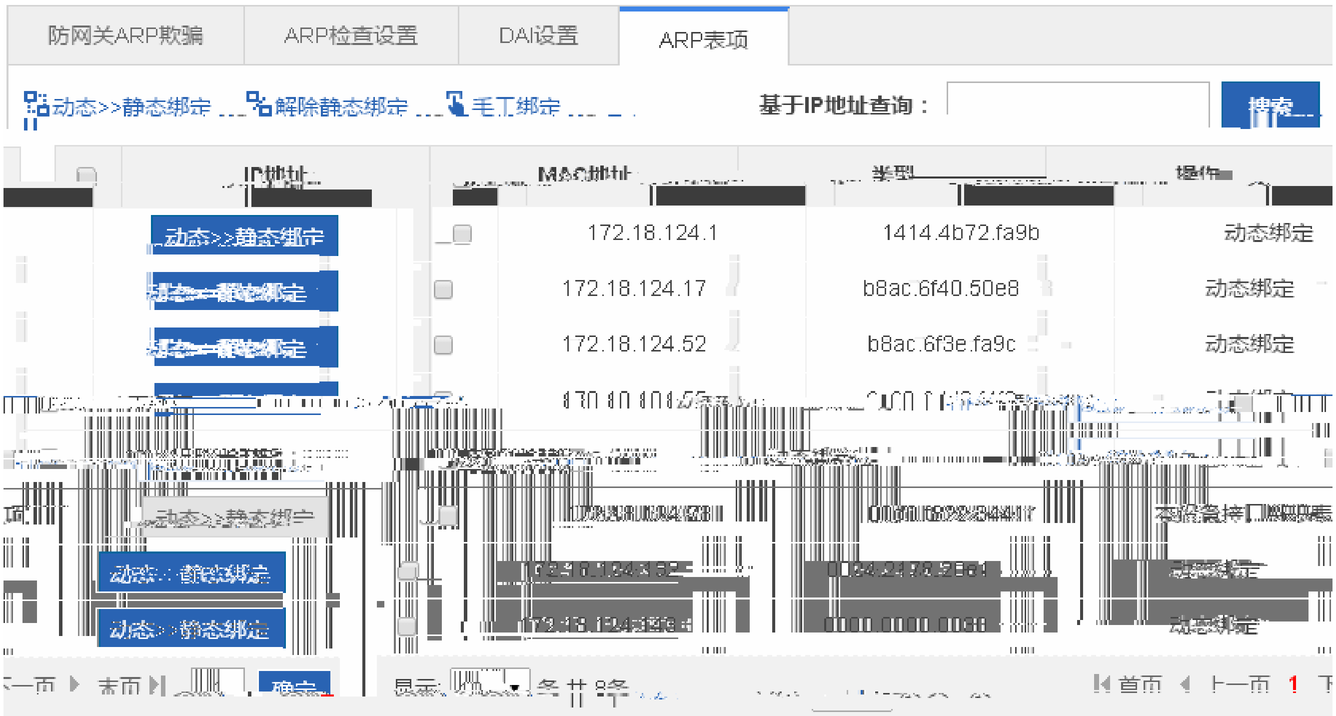
1 VLAN DAI ֆ ˩

ȡ ` ▌ ĭ ց‰ ш ĭ Ȁ ᵏ DAI ı ί VLAN

2 DAI

₌ — J̌ ˝O ˧ Ȁ ᵏ DAI ı ί

ق DAI ¡ ¢ ¡



ȍ >> ̠ ȍ ﻠ ћ

1 ⱬ ˡ Ȣ ǰ ˝O ɒ ARP ˊ ˚ ˊ ɓ ^ᛙ ȍ ˝Ω ˝Ω ђ ‚ ф ﻠ ﭫ ̠ ȍ ﻠ ћ ˝Ω ˝Ω

2 ⱬ ₢ ˋ ɒ ARP ˊ ˚ ˊ ɓ ῳ ª ˝Ḥ ″ ї ￼< ȍ ڇ ̠ ȍ ﻠ ћ > ƍ ‰ ώ˜ ɒ ф ﻠ ᾰ ı ɓ ˡ

ｊ ڽ ̠ ȍ ﻠ ћ

1 ⱬ ˡ Ȣ ǰ ˝O ɒ ARP ˊ ˚ ˊ ɓ ^ᛙ ̠ ȍ ﻠ ћ ˝Ω ˝Ω ђ ‚ ｊ ڽ ﻠ ћ

2 ⱬ ₢ ˋ ɒ ARP ˊ ˚ ˊ ɓ ῳ ª ˝Ḥ ″ ї ￼< ｊ ڽ ̠ ȍ ﻠ ћ > ƍ ‰ ώ˜ ɒ ф ﻠ ᾰ ı ɓ ˡ

ἐ Ṫ ﻠ ћ

ф ﻠ ̠ ȍ ﻠ ћ ˝Ω ˝Ω IP ȿ ꭓ ⁼ MAC ȿ ꭓ ﭫ ǫ ǰ Ȅ ꟻ ₢ ˋ ɒ ћ ɓ ώ˜ ɒ ф ﻠ ᾰ ı ɓ ª ĭ ˜ ꝑ ɒ ARP ˊ ˚ ˊ ɓ

1.3.4.3 IP Source Guard

ɒ IP Source Guard ɓ ˡ Ȣ ڦ Ф ì ب ﻠ ⁼ ꞁ ˝A ﻠ ћ

ì ب ﻠ

ƍ 1-29 ì ب ﻠ

IP Source Guard

IP Source Guard

IP Source Guard

IP Source Guard

IP Source Guard

IP Source Guard

1 IP Source Guard

2 IP Source Guard

1-30

▌ ﺔ ﺔ ˝A ﺭ ḧ

ȹ ﺭ ﺔ ˝A ﺭ ḧ MAC ş χ IP ş χ VLAN ID ﾒ ọ J̌ ᵽ` ɒ Ḣ ӑ ﺑ ﺭ ɓ ώ˜ ɒ ȹ ﺭ ӑ ı ɓ ª Ĭ˜ ƫ ﺔ ˝A ﺭ ḧ ˝

ﻧ ﮊ ﺔ ˝A ﺭ ḧ

ᵽ` ɒ ﺔ ˝A ﺭ ḧ ﻳ ˝ ɓ ῳ ª ˝Ḥ ″ ï < ﻧ ﮊ > ǥ‰ ˝ ˳ Ĭ˜ Ĩ ﺔ ˝A ﺭ ḧ Ụ Ḿ Ụ ﻕ Φ ﻧ ﮊ ª ᵽ` <Ḣ ӑ ﺑ ﺭ > ώ˜ ɒ ȹ ﺭ ӑ ı ɓ ˡ

ﺉ ﺔ ˝A ﺭ ḧ ˝

1 ɀ ƫ ɒ ﺔ ˝A ﺭ ḧ ˝ ɓ J̌˚O ^ ᶘ ʟ ẹ ᵽ` ɒ ﺉ J̌ ﺭ ḧ ɓ ῆ ¸ ﺉ ˝Ω˜Ω

2 ɀ ᵽ` ɒ ﺔ ˝A ﺭ ḧ ˝ ɓ ῳ ª ˝Ḥ ″ ï < ﺉ > ǥ‰ ώ˜ ɒ ḧ ﺉ ﺭ ḧ ? ɓ ᵽ` ḧ ώ˜ ɒ ﺉ ӑ ı ɓ Ḣ ӑ ﺉ

1.3.4.4

ǥ 1-31 ᵍ ȹ ﺭ

▌ ﺔ ﺔ ˝A ﺭ ḧ

ȹ ﺭ ﺔ ˝A ﺭ ḧ IP ş χ ﾒ ọ J̌ Ʈ ˡ J̌ ᵽ` ɒ Ḣ ӑ ﺑ ﺭ ɓ ώ˜ ɒ ȹ ﺭ ӑ ı ɓ ª Ĭ˜ ƫ Ḡ ˝

ﻧ ﮊ Ḡ

ᵽ` ɒ ﺔ ˝A Ḡ ˝ ɓ ῳ ª ˝Ḥ ″ ï < ﻧ ﮊ > ǥ‰ ˝ ˳ Ĭ˜ Ĩ ﺔ ˝A ﺭ ḧ Ụ Ḿ Ụ ﻕ Φ ﻧ ﮊ ª ᵽ` <Ḣ ӑ ﺑ ﺭ > ώ˜ ɒ ȹ ﺭ ӑ ı ɓ ˡ

ﺉ Ḡ

1 ɀ ƫ ɒ Ḡ ˝ ɓ J̌˚O ^ ᶘ ʟ ẹ ᵽ` ɒ ﺉ J̌ Ḡ ɓ ῆ ¸ ﺉ ˝Ω˜Ω

2 ζ ꞓ ˋ ɒ Ğ ˊ ɓ ῳ ª ῭Ḥ ″ ï ￼< ڻ>ƍ‰ ώ˜ ɒ̣ ȟ ڻ ǰ ￼Ğ ? ɓ ꞓ ˋ ̣ ȟ ώ˜ ɒ ڻ ᾰ ı ɓ Ḣ ᾰ ڻ

ƍ 1-32 Ğ ɹ ȟ

▌ ŗ Ğ ɹ ȟ ş ӽ

ф ɹ Ğ ɹ ȟ ş ӽ IP ş ӽ ᵯ ǫ ǰ Ꞁ ˈ ǰ ꞓ ˋ ɒ Ḣ ᾰ ﭗ ɹ ɓ ώ˜ ɒ ф ɹ ᾰ ı ɓ ª Ĭ˜ ꝑ Ğ ɹ ȟ ş ӽ ˊ

ʎ ǯ Ğ

ꞓ ˋ ɒ Ğ ɹ ȟ ş ӽ ˊ ɓ ῳ ª ῭Ḥ ″ ï ￼< ʎ ǯ > ƍ‰ ˵ ˭ Ĭ˜ Í ŗ ῍A ɹ ȟ ￼ Ụ Ḿ Ụ ڤ Φ ʎ ǯ ª ꞓ ˋ < Ḣ ᾰ ﭗ ɹ > ώ˜ ɒ ф ɹ ᾰ ı ɓ ˈ

Ğ ɹ ȟ ş ӽ ˊ

1 ζ ꝑ ɒ Ğ ɹ ȟ ş ӽ ˊ ɓ ǰ῞O ^ ỉ ʟ ẹ ꞓ ˋ ɒ ڻ ǰ ￼Ğ ɹ ȟ ʮ ɓ ῃ ̡ ڻ῎Ώ῭Ώ

2 ζ ꞓ ˋ ɒ Ğ ɹ ȟ ş ӽ ˊ ɓ ῳ ª ῭Ḥ ″ ï ￼< ڻ>ƍ‰ ώ˜ ɒ̣ ȟ ɭ ڻ ǰ ￼Ğ ɹ ȟ ʮ ɓ ꞓ ˋ ̣ ȟ ώ˜ ɒ ڻ ᾰ ı ɓ Ḣ ᾰ ڻ

1.3.4.5 NFPP

NFPP ˵ ˭ ḅ ï

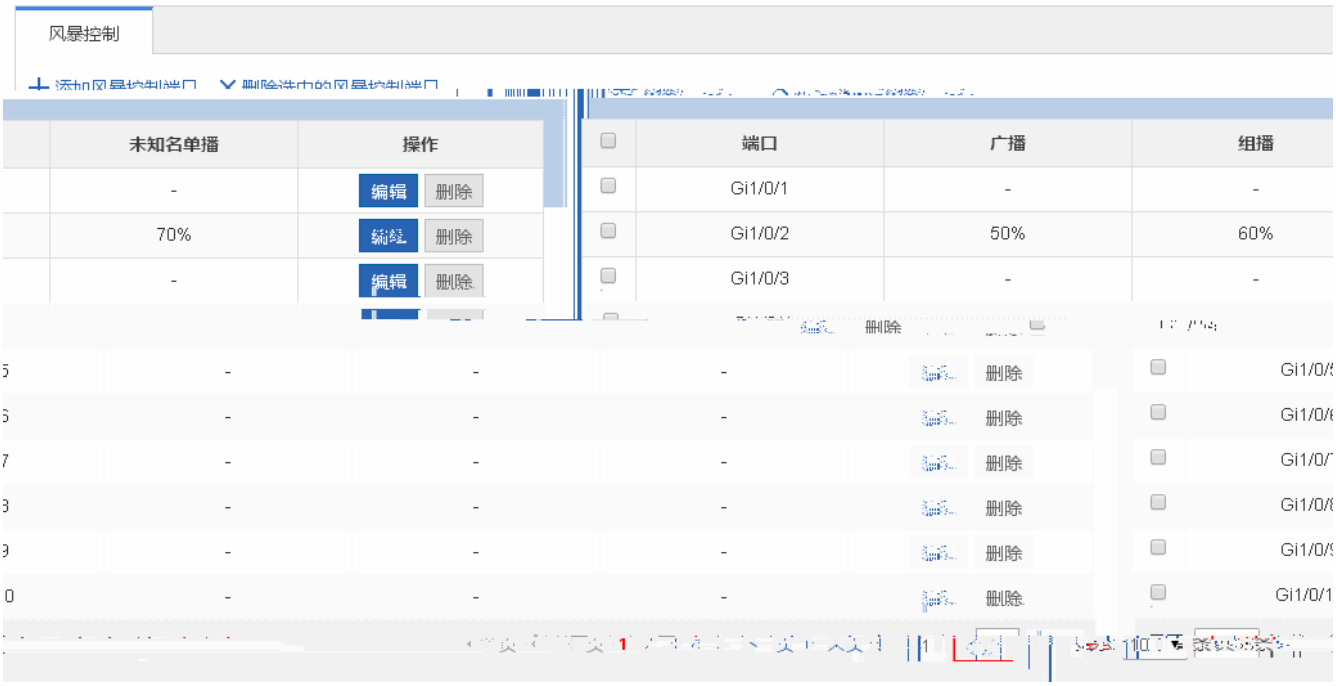
ƍ 1-33 NFPP

ˡ Ҩ Ȃ ᵏ ᾰ ᾱ ڗ ڪ ὣ ı ἵ ܭ ɒ ѐ ቀ ﺎ ɓ ὤ ɒ ቀ ﺎ ᾰ ı ɓ ˡ Ḛ ỳ Ở ᵘ ᾰ ݽ ท ቀ ﺎ ̀H ܭ ɒ Ở ᵘ ݽ ท ቀ ﺎ ɓ ˜Yݣ

1.3.4.6

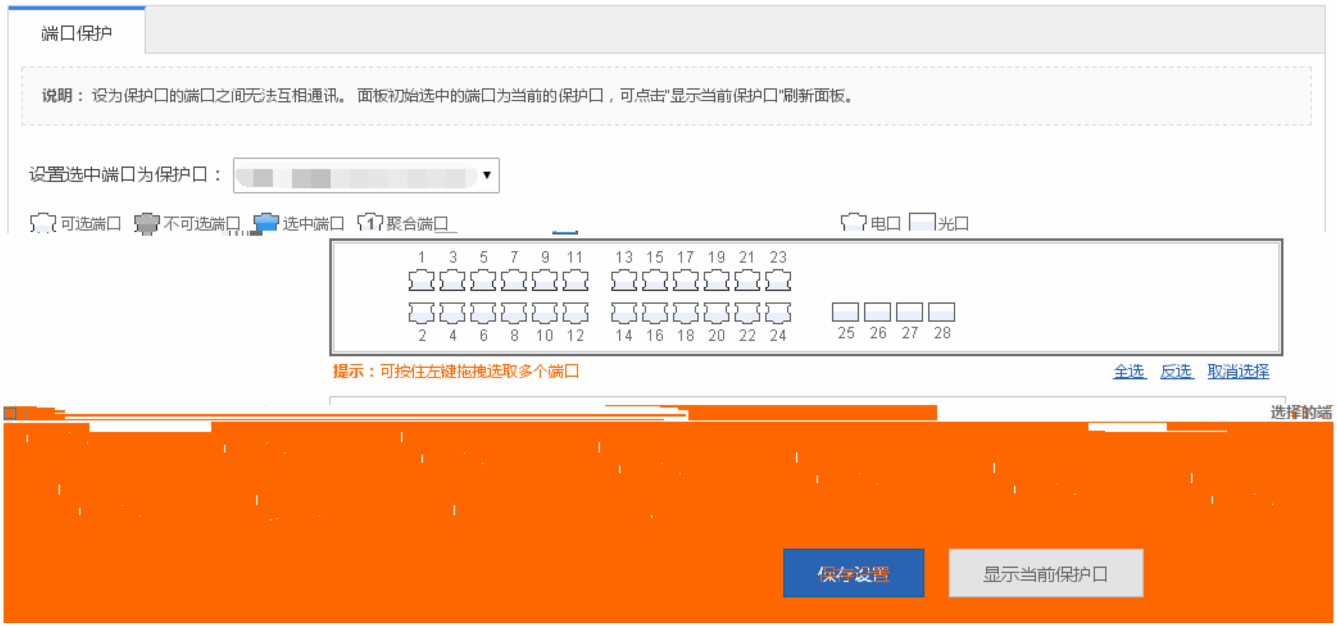
ꞁ Ȳ ί ˙ ￼ ̎ ͅ ḅ ï

ɠ 1-34 ꞁ Ȳ ί ˙ ቀ ﺎ



▌ ɾ l Ỹ í ˙ ч

ϕ ﻝ l Ỹ í ˙ ч ẍ Ḥ ц ɾ n > t



ф ا ۲ ᄍ ï J̌ ˝O ˛ — ۲ ᵉ` ɒ è ф ا ƃ ώ˜ ɒ ф ا ă ı ƃ ˡ .

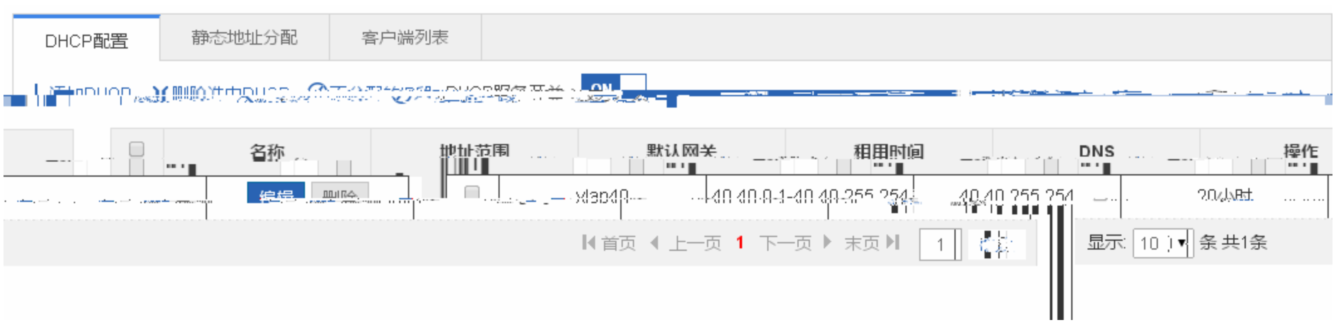
1.3.5.2 DHCP

ɒ DHCP ب ا ƃ ˡ Ѻ ق Ф DHCP ب ا ˭ ỗ ş ჯ ˂ ب i ˝A ۲ ˜

DHCP

DHCP ب ا ￼ ˜ ˛ ƃ ï

ց 1-36 DHCP ب ا



▌ ĩ DHCP

ф ا ş ჯ – ᵉ ۲ IP ˂ ب ا ɟ ǿ ɯ ɒ ا ˥ ĩ H ڗ ᵉ` ɒ Ḣ ă ب ا ƃ ώ˜ ɒ ф ا ă ı ƃ ᵅ Ĭ˜ ʛ DHCP ˜

ﻻ ǯ DHCP

ꝶ ` ɒ DHCP ˊ ɓ ὼ ᵅ ˝Ḥ ″ ï <ﻻ ﬧ >ᶃ‰ ˘ ˯ Ĭ ˜ ĺ DHCP Ụ Ḿ Ụ ڦ Φ ﻻ ﬧ ᵅ ꝶ ` <Ḣ ᾰ ب ﻟ >ώ ˜ ɒ ʆ ﻟ ᾰ ı ɓ ˡ

ڻ DHCP

1 ζ ꝑ ɒ DHCP ˊ ɓ J̌˝Ο ^ꝭ ʟ ẹ ꝶ ` ɒ ڻ J̌ DHCP ɓ ŋ ˛ ڻ ˝Ώ˝Ώ

2 ζ ꝶ ` ɒ DHCP ˊ ɓ ὼ ᵅ ˝Ḥ ″ ï < ڻ >ᶃ‰ ώ ˜ ɒ. ḧ ڻ J̌ DHCP ɓ ꝶ ` . ḧ ώ ˜ ɒ ڻ ᾰ ı ɓ Ḣ ᾰ ڻ

Ằ ᵏ DHCP

ꝶ ` <DHCP ˋΟ ռ Ằ >Ằ ᵏ DHCP ˋΟ ռ

˭ ȭ ʂ ᶍ ˋ ب ˘ ˯ ɓ ï

ᶃ 1-37 ˭ ȭ ʂ ᶍ ˋ ب ب ﻟ

▌ ˀ ˭ ȭ ʂ ᶍ

ʆ ﻟ ḭ ˝Ά ᵉ ч ḭ ˝Ά ч IP ḭ ˝Ά ч MAC ʂ ᶍ ọ J̌ Ꚍ ب ﻟ ˡ J̌ ꝶ ` ɒ Ḣ ᾰ ب ﻟ ɓ ώ ˜ ɒ ʆ ﻟ ᾰ ı ɓ ᵅ Ĭ ˜ ꝑ ˭ ȭ ʂ ᶍ ˊ

ﻻ ﬧ ˭ ȭ ʂ ᶍ

ꝶ ` ɒ ˭ ȭ ʂ ᶍ ˊ ɓ ὼ ᵅ ˝Ḥ ″ ï <ﻻ ﬧ >ᶃ‰ ˘ ˯ Ĭ ˜ ĺ ˭ ȭ ʂ ᶍ Ụ Ḿ Ụ ڦ Φ ﻻ ﬧ ᵅ ꝶ ` <Ḣ ᾰ ب ﻟ > ώ ˜ ɒ ʆ ﻟ ᾰ ı ɓ ˡ

ڻ ˭ ȭ ʂ ᶍ

1 ζ ꝑ ɒ ˭ ȭ ʂ ᶍ ˊ ɓ J̌˝Ο ^ꝭ ʟ ẹ ꝶ ` ɒ ڻ J̌ ʂ ᶍ ɓ ŋ ˛ ڻ ˝Ώ˝Ώ

2 ζ ꝶ ` ɒ ˭ ȭ ʂ ᶍ ˊ ɓ ὼ ᵅ ˝Ḥ ″ ï < ڻ >ᶃ‰ ώ ˜ ɒ. ḧ ڻ ĺ ˭ ȭ ʂ ᶍ ɓ ꝶ ` . ḧ ώ ˜ ɒ ڻ ᾰ ı ɓ Ḣ ᾰ ڻ

ḭ ˝Ά ч ˊ ˘ ˯ ɓ ï

ᶃ 1-38 ḭ ˝Ά ч ˊ ب ﻟ

ɫ Ĭ IP ş ҳ

ᵱ ᾰ ﻝɫ ڑ IP ş ҳ ڤΦɫ Ĭ

MAC ş ҳ ⁼ ȭ IP ע ḧ

ᵱ ᵽ ḭ ˝A ᆨ ˊ ɓ J̌˝O ^ɫ ʟ ẹ ᴱ` ᵽ˝H MAC ş ҳ ע ḧ ȭ ո ת IP ἰ ɓ ڤΦ ע ḧ

1.3.5.3 DHCP

DHCP ʎ ˚ ̧ ᵬ ï

ǥ 1-39 DHCP ʎ Ֆ ע

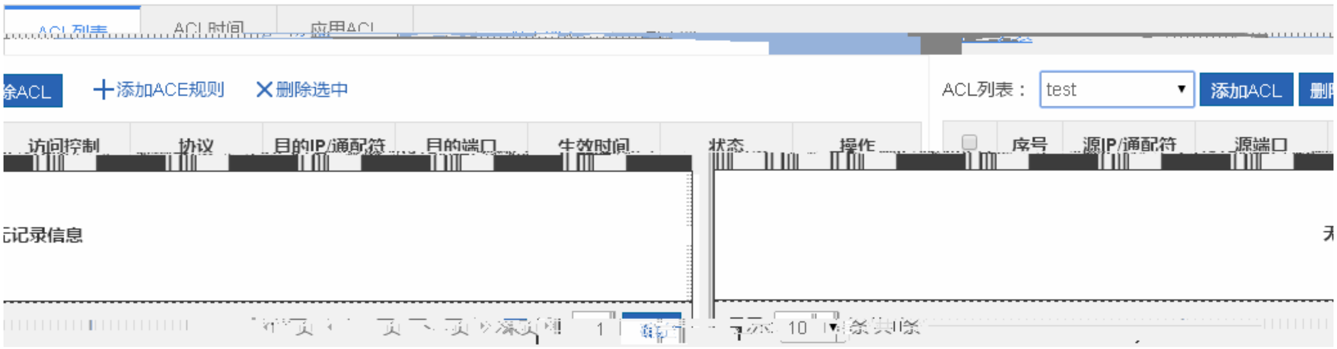
Ḿ DHCP ʎ Ȁ ᵏ ᾰ ᾱ ȝ Ḝ Ȁ ᵏ ˋH ᴵ Ꝺ Ֆ ע ᴧ DHCP ˋO ռ ᴴ ş ҳ

1.3.5.4 ACL

ACL

ACL ˝ ˬ ˳ ƥ ï

ɡ, 1-40ACL ˝ ȸ ﻟ



▌ ř ACL

ȩ` ɒ ▌ ř ACL ƃ ˜Yﭤ ƿ ǟ¸ ↑ ȸ ﻟ ķ ACL ˝ ĩ ọ ꜝ Ȅ ɨ ȩ` ɒ ῇ ƃ ώ˜ ɒ ȸ ﻟ ӑ ı ƃ ˡ ƿ ACL ˝ ï ˜I↑ ˜ ▌ ř ACL

ٹ ACL

ACL ˝ ï ˜I↑ J̌ ɭ ٹ ACL ȩ` ɒ ٹ ACL ƃ ˜Yﭤ ώ˜ ɒ ٹ ӑ ı ƃ ˡ

▌ ř ACL h

ȸ ﻟ ACL h J̌ ˜O Ա ڈ í˙ ﻗ ʒ ɲ ﻗ ῳ ̀H ڑ IP ȩ` ɒ Ḣ ӑ ﺏ ﻟ ƃ ώ˜ ɒ ȸ ﻟ ӑ ı ƃ ᵅ Ĭ˜ ƿ ACL h ˝

ﻼ ǯ ACL h

ȩ` ɒ ACL h ˝ ƃ ῳ ᵅ ˜Ḫ ˮ ï < ﻼ ǯ > ɡ‰ ˬ ˳ Ĭ˜ Í ACL h Ụ Ḿ Ụ ڤ Φ ﻼ ǯ ᵅ ȩ` < Ḣ ӑ ﺏ ﻟ > ώ˜ ɒ ȸ ﻟ ӑ ı ƃ ˡ

ٹ ACL h

1 ζ ƿ ɒ ACL h ˝ ƃ J̌ ˜O ^ꞁ ʟ ẹ ȩ` ɒ ٹ J̌ h ƃ ῃ ̧ ٹ ˜Ω̃Ω

2 ζ ȩ` ɒ ACL h ˝ ƃ ῳ ᵅ ˜Ḫ ˮ ï < ٹ > ɡ‰ ώ˜ ɒ ứ. ŋ ɭ ٹ Í h ƃ ȩ` . ῇ ώ˜ ɒ ٹ ӑ ı ƃ Ḣ ӑ ٹ

ﻴ ACL h

ꜝ ˛ ɭ ﻴ ACL ẑ ȩ` ɒ ﻴ ƃ ώ˜ ɒ ȸ ﻟ ӑ ı ƃ ˡ

ACL

ACL ̀H ڑ ˬ ˳ ƥ ï

ɡ, 1-41 ACL ̀H ڑ ȸ ﻟ

▌ ˀ ACL ˋH ڗ

ʤ ܚ ACL ˋH ڗ　ˡ　ˋH ڗ Ḿ ع　ˋH ڗ　ᶒ ˋ　ɒ Ḣ ᾰ ب ܚ ɓ ώ˜　ɒ ʤ ܚ ᾰ ı ɓ ª　Ĭ ˜　ɕ ACL ˋH ڗ　ˊ

ܠ ڙ ACL ˋH ڗ

ᶒ ˋ　ɒ ACL ˋH ڗ　ˊ ɓ ω ª　˜Ḥ　″ ï ￼< ܠ ڙ > ḡ ‰　ˇ ˭　Ĭ ˜　Ỉ ACL ˋH ڗ ￼　Ụ　Ḿ　Ụ ڤ Φ ܠ ڙ ª　ᶒ ˋ　< Ḣ ᾰ ب ܚ > ώ˜　ɒ ʤ ܚ ᾰ ı ɓ　ˡ

ڽ ACL ˋH ڗ

ɕ ɒ ACL ˋH ڗ　ˊ ɓ　J̌˝O ^ Ị　ʟ ẹ　ᶒ ˋ　ɒ　ڽ J̃　￼ˋH ڗ Ḿ ع ɓ ῄ ˻　ڽ ˇΏ ˇΏ

ACL

Ẕ ˀ ACL ￼ ˇ ˭ ƀ ï

ḡ 1-42 Ẕ ˀ ACL ʤ ܚ

▌ ˀ Ẕ ˀ ACL

ʤ ܚ Ẕ ˀ ACL ˋH ڗ　J̌˝O ACL ص ˗ Ά　ˀ　ᶒ ˋ　ɒ Ḣ ᾰ ب ܚ ɓ ώ˜　ɒ ʤ ܚ ᾰ ı ɓ ª　Ĭ ˜　ɕ Ẕ ˀ ACL　ˊ

ܠ ڙ Ẕ ˀ ACL

ᶒ ˋ　ɒ Ẕ ˀ ACL　ˊ ɓ ω ª　˜Ḥ　″ ï ￼< ܠ ڙ > ḡ ‰　ˇ ˭　Ĭ ˜　Ỉ Ẕ ˀ ACL ￼　Ụ　Ḿ　Ụ ڤ Φ ܠ ڙ ª　ᶒ ˋ　< Ḣ ᾰ ب ܚ > ώ˜　ɒ ʤ ܚ ᾰ ı ɓ　ˡ

ڽ Ẕ ˀ ACL

1 ζ ɕ ɒ Ẕ ˀ ACL　ˊ ɓ　J̌˝O ^ Ị　ʟ ẹ　ᶒ ˋ　ɒ　ڽ ACL Ẕ ˀ ˀ　ɓ ῄ ˻　ڽ ˇΏ ˇΏ

2 ζ ᶒ ˋ　ɒ Ẕ ˀ ACL　ˊ ɓ ω ª　˜Ḥ　″ ï ￼< ڽ > ḡ ‰　ώ˜ ɒ ̣　ῄ ˻　ڽ　ɓ　ᶒ ˋ ̣　ῄ ώ˜　ɒ　ڽ ᾰ ı ɓ　Ḣ ᾰ　ڽ

1.3.5.5

▌ ɪ Ⅵ ㄨ

ɸ ɹ Ⅵ ㄨ Ⅵ ㄨ ᵉ Ⴗ ǫ J̌ ᵖ` ɒ Ḣ ᾰ ﻟﺐ ɹ ɓ ώ˜ ɒ ɸ ɹ ᾰ ı ɓ ᵅ Ĭ˜ ꞵ Ⅵ ㄨ ˝

ٹ Ⅵ ㄨ

J̌ ɒ Ⅵ ㄨ ˝ ɓ • Ⅵ ㄨ ᵖ` < ٹ Ⅵ ㄨ>ƺ‰ ώ˜ ɒ̩ ȟ ʟ ٹ Ϊ ˚ ɓ ᵖ`̩ ȟ ώ˜ ɒ ٹ ᾰ ı ɓ Ḣ ᾰ ٹ

▌ ɪ Ⅵ ㄨ h

ɸ ɹ Ⅵ ㄨ h Ṿ Ḵ ᵕ Ⅵ ╙ ᶎ ꭗ ǫ J̌ Ꚋ ﻟﺐ ɹ ˈ J̌ ᵖ` ɒ Ḣ ᾰ ﻟﺐ ɹ ɓ ώ˜ ɒ ɸ ɹ ᾰ ı ɓ ᵅ Ĭ˜ ꞵ Ⅵ ㄨ h ˝

ᶅ ɜ̈ Ⅵ ㄨ h

ᵖ` ɒ Ⅵ ㄨ h ˝ ɓ ῳ ᵅ ˝Ḫ ˝ ï <ᶅ ɜ̈>ƺ‰ ῗ ᶕ Ĭ˜ Ϊ Ⅵ ㄨ h Ụ Ḿ Ụ ڤ Φ ᶅ ɜ̈ ᵅ ᵖ` <Ḣ ᾰ ﻟﺐ ɹ> ώ˜ ɒ ɸ ɹ ᾰ ı ɓ ˈ

ٹ Ⅵ ㄨ h

1ζ ꞵ ɒ Ⅵ ㄨ h ˝ ɓ J̌˝O ^ᶦ ʟ ẹ ᵖ` ɒ ٹ J̌ h ɓ ȟ ᶎ ٹ˝Ώ˜Ώ

2ζ ᵖ` ɒ Ⅵ ㄨ h ˝ ɓ ῳ ᵅ ˝Ḫ ˝ ï <ٹ>ƺ‰ ώ˜ ɒ̩ ȟ ٹ Ϊ ˚ ɓ ᵖ`̩ ȟ ώ˜ ɒ ٹ ᾰ ı ɓ Ḣ ᾰ ٹ

╙ ɸ ɹ ῗ ᶕ ḅ ï

ƺ 1-45 ╙ ɸ ɹ

▌ ፣ Ẕ ፣ Ⅵ ⵣ ᠰ

ቇ ﻟ Ẕ ፣ Ⅵ ⵣ ᠰ J̌˝O ں ه Ά ₩Ã Ⅵ ⵣ ˝ ᠰ ᵱ` ɒ Ḣ ᾰ ب ﻟ ɓ ώ˜ ɒ ቇ ﻟ ᾰ ו ɓ ª Ĭ˜ ꞑ Ẕ ፣ Ⅵ ⵣ ᠰ ˝

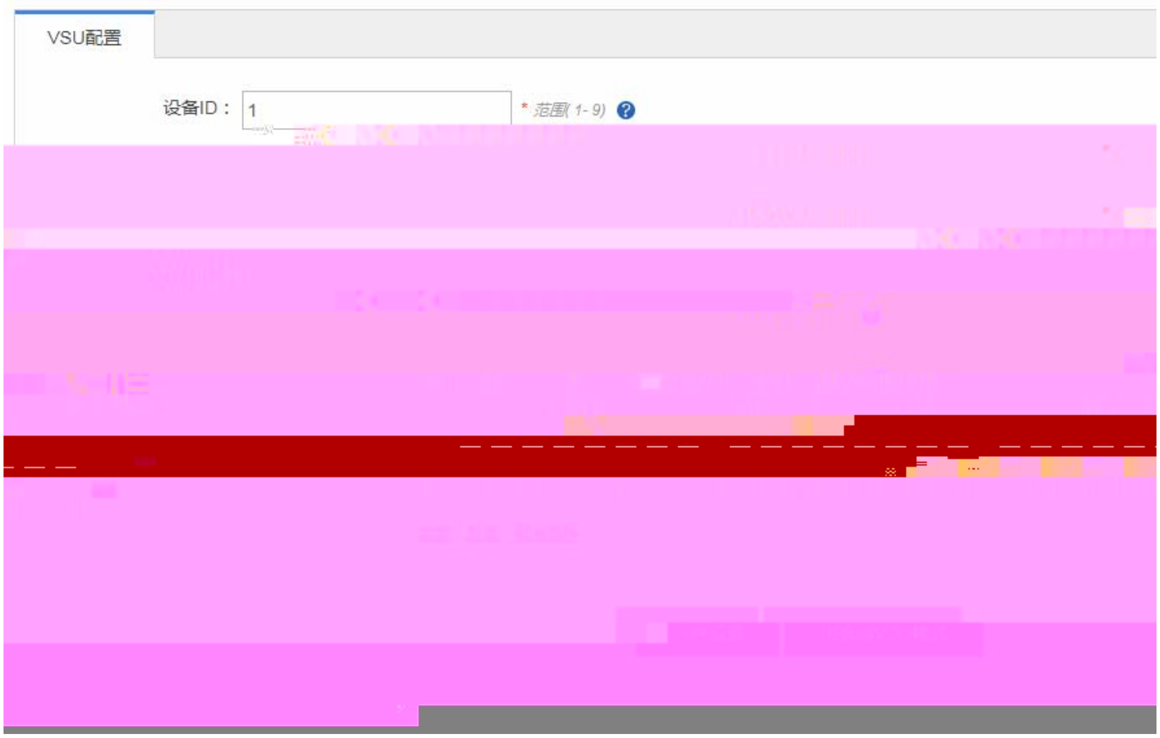
ٹ Ẕ ፣ Ⅵ ⵣ ᠰ

1 ɀ ꞑ ɒ Ẕ ፣ Ⅵ ⵣ ᠰ ˝ ɓ J̌˝O ^ ᶖ ʟ ẹ ᵱ` < ٹ J̌ Ẕ ፣ Ⅵ ⵣ > ῃ ٍ ٹ ˝Ω̃Ω

2 ɀ ᵱ` ɒ Ẕ ፣ Ⅵ ⵣ ᠰ ˝ ɓ ῳ ª ˝Ḥ ″ ï < ٹ > ǥ ‰ ώ˜ ɒ. ῄ ٹ ἰ ° ɓ ᵱ`. ῄ ώ˜ ɒ ٹ ᾰ ו ɓ Ḣ ᾰ ٹ

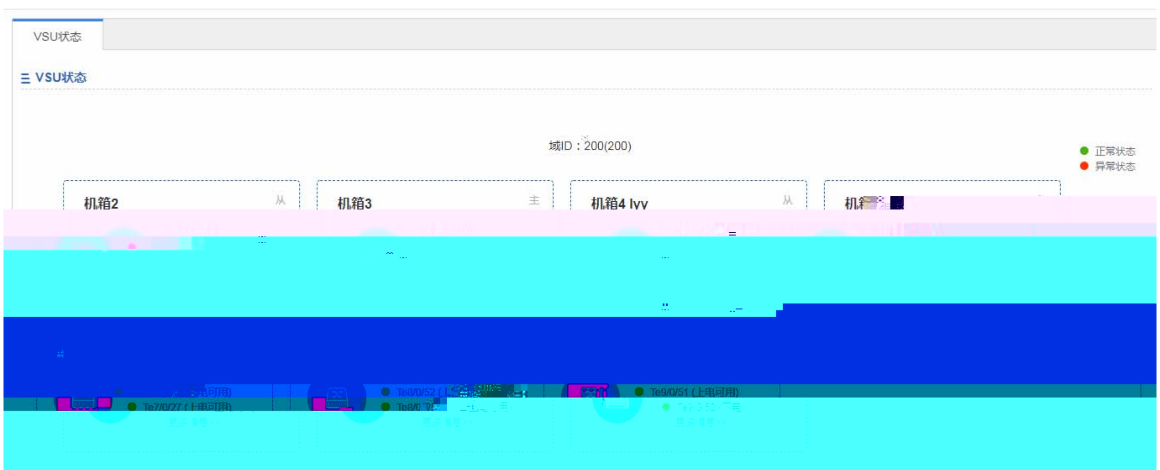
1.3.5.6 VSU

Ḝ ቇ ᶦ ו Ꚙ ب ﻟ VSU ₩Ã ̀H ₩Ã ⁼ VSU ₩Ã ̎ ̧ Ĭ˜ ȷ ª



VSU

VSU ₩Ã ˜ ₌ ḅ ï



VSU ʆ ˇ￼ᴥ ǯ ₅ ╝

1.3.6

ɒ ⅎ ⅄ ˥ ת ɓ ˡ ̈́ Ꝍ ڨ Φ ⅎ ⅄ $ ﺎ ⅎ ⅄ ⅄ ˥ ת ̂ ں ⅎ ⅄ ń Ő ٪... Ă Ṫ ʊ Web í ˙ ʲ

1.3.6.1

ⅎ ⅄ $ ﺎ ̏ ̧ ᵍ ɒ ⅎ ⅄ ̀H ž ɓ ɒ ὠ Ḻ ɓ ɒ Ő ᴴ ̦ ﺑ ﺎ ɓ ɒ ᵚ Ă ı ḯ ɓ ɒ SNMP ɓ Ꝍ ɒ DNS ɓ Ꮒ́

ⅎ ⅄ ̀H ž ￼ ̏ ̧ ḅ ï

ǥ 1-46 ⅎ ⅄ ̀H ž

ⅎ ⅄ ̀H ž

̏ ̧ Ĭ ˜ Ẹ ⅎ ⅄ ̀H ž ˡ Ꝍ ė Ṫ $ ﺎ Ẹ ⅎ ⅄ ̀H ž ˡ Ꝍ ﺻﻥ Ǯ ɒ₅ ԯ Internet ̀H ž ̀O ɲ ᴴ ª ℓ ɓ $ ﺎ ̀H ž ᾶ

ǰ˝O ﭬΦﭗ ﺭ ῳᵅ ᴇ` < ȅ$ ﺭ>˜Yﭤ ώ˜ ɒ ȅ$ ﺭ ᾰ ı ɓ Ḣᾰﭗ ﺭ

Ṁ /Ṁ̦ ﻟ ﭗ

Ṁ ﻟ ﭗ ջ Ֆ ᵗ ﻟ ﭗ ķ پ ص ų ᵏ Ֆ ᵗ ﻟ ﭗ ķ ɨ ώ̃ Ṁ̦ ﻟ ﭗ ᵗ Ḛ ﻟ ﭗ ķ

Ớ ᵸ̦ ﻟ ﭗ

ᶓ ˋ <Ớ ᵸ̦ ﻟ ﭗ>˜Yٹ Ṅ ﻟ ﭗ ķ ▌٧ Ớ ᵸ ̦ ﻟ ﭗ ķ

ꟺ Ă ı ΐ ̿ ̳ ḅ ï

ǥ 1-49 ꟺ Ă ı ΐ

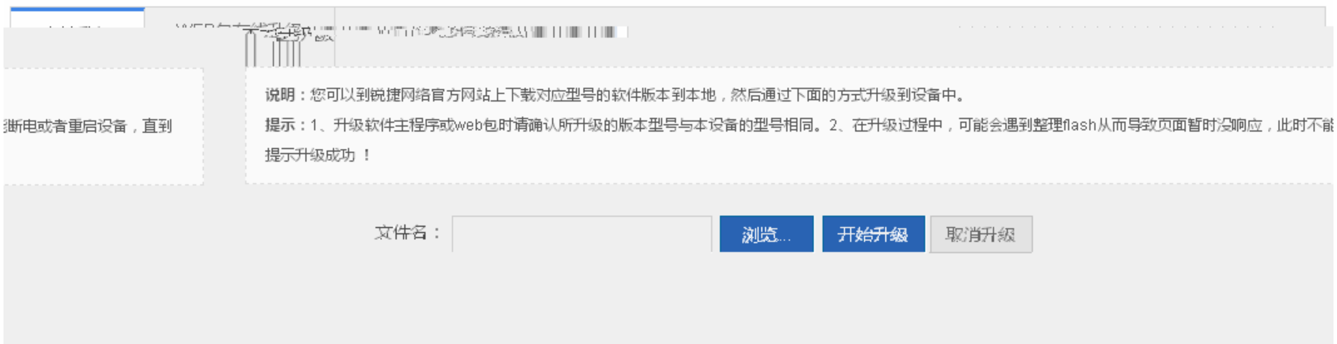
ȹ ɹ WEB ɰ ڐ ۲ ε ọ J̌ ζ ˋ ẹ ʌ ˋH ⁼ ȹ ꜝ ɹ ˡ J̌ ᵽ ˋ < è̀ > ꞡ‰ώ˜ ɒ ȹ ɹ ᾰ ı ɓ ˡ

1.3.6.2

ⅎ /l ⅎ ˜ ˭ ů ɒ ş ⅎ ɓ ɒ WEB ƥ ⅎ ⅎ ɓ

ş ⅎ ˜ ˭ ḅ ï

ɡ 1-52 ş ⅎ

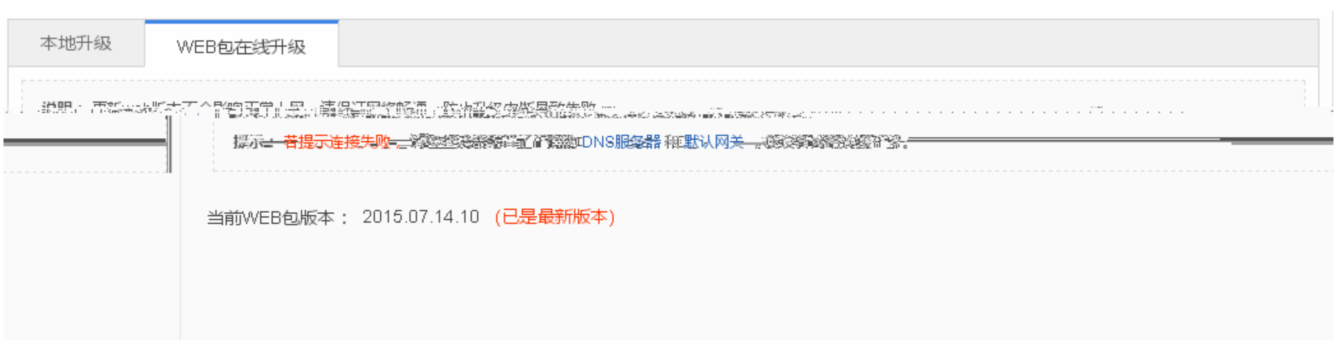


ɐ ˋ ╞ ɳ J̌ ˝O ş è bin ӑ ɨ ɑ ɐ ˋ <Ằ Ḋ ⅎ >˜Y ڤ ḫ א ş ⅎ ˝Ḥ

WEB

WEB ƥ ⅎ ⅎ ˜ ˭ ḅ ï

ɡ 1-53 WEB ƥ ⅎ ⅎ

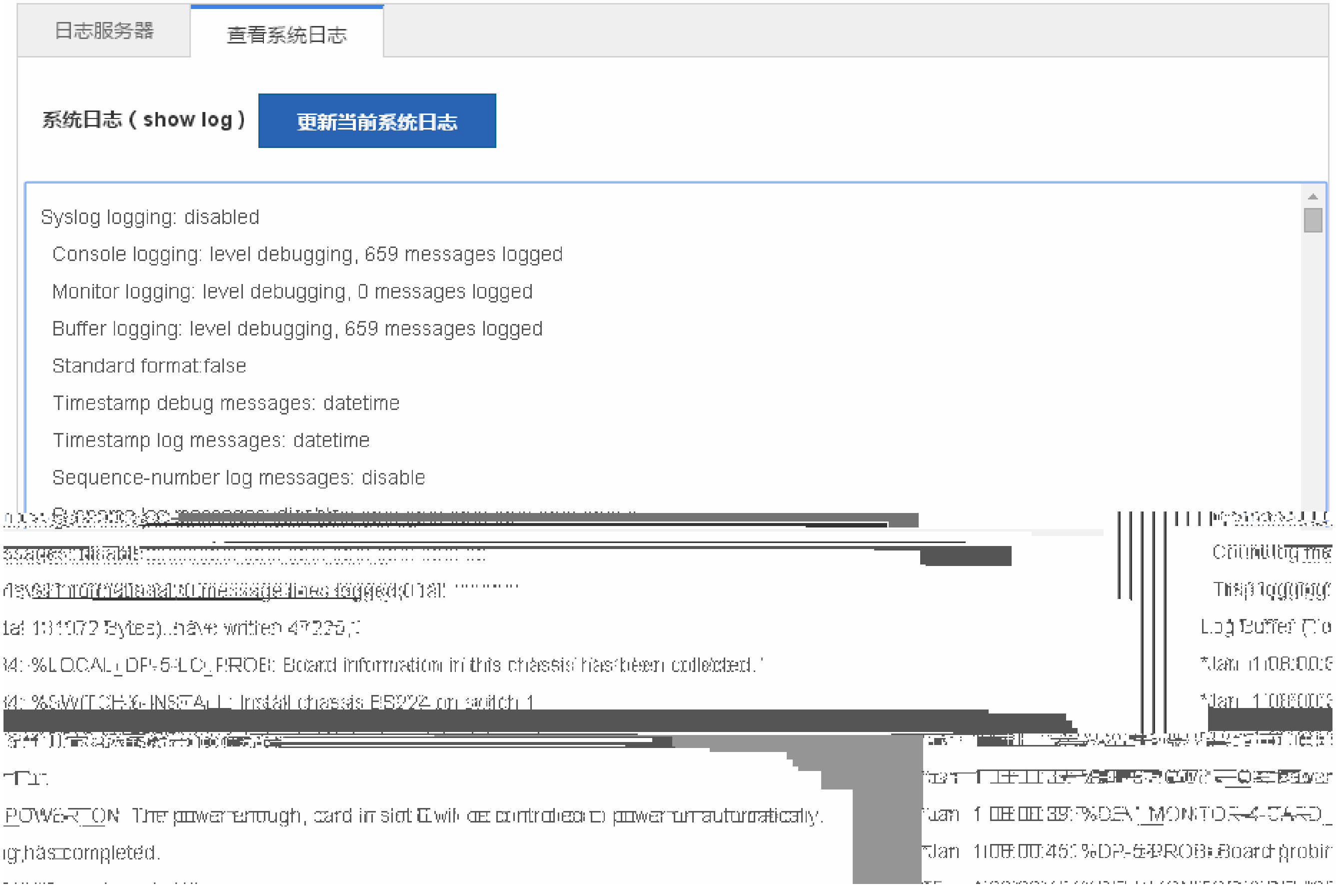


ḅ ˈ è ƥ ῳ Ά ѵ ˡ Ҩ ɐ ˋ < ⅎ > ɡ ‰ ⅎ ῳ Ά ѵ WEB

1.3.6.3

Ϊ ι ΐ ΐ ˀ ḫ א ℸ ת ˆ ں پ ڶ

ℸ ת ˆ ں ˜ ˭ ḅ ï



ă ↑ Ĭ˜ Ę ή Ő Ų ᵉ` ɒ ˜ À Ę ✓ ∕ ή Ő ɓ ق Φ ˛ À

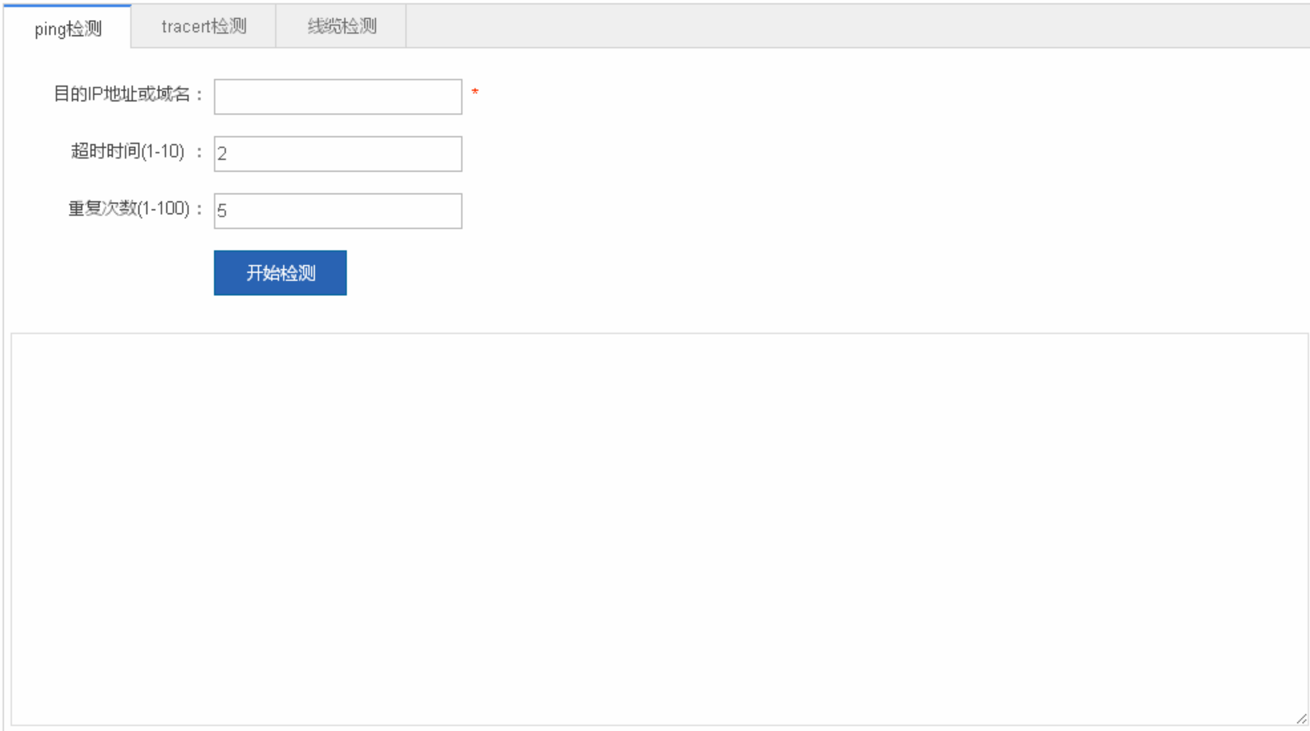
1.3.6.5

ي ث ₅ ╜ ˘ ₌ ᵍ ɒ ping ₅ ╜ ɓ ɒ tracert ₅ ╜ ɓ ⁼ ɒ ʵ ∕ ₅ ╜ ɓ s ɥ́

Ping

Ping ₅ ╜ ˘ ₌ ɓ ï

g, 1-57 ping ₅ ╜

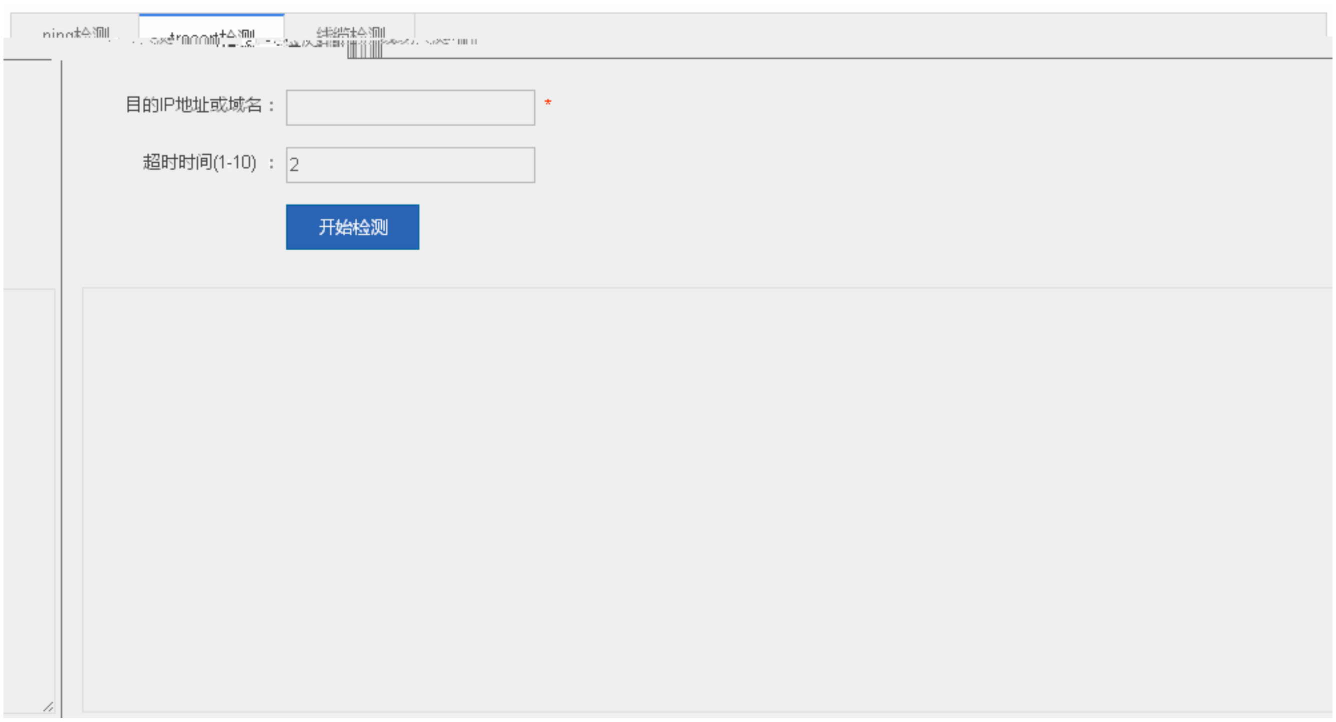


ڔ ´ IP ȿ ӽ ٤ Ụ ȡ ` <Ȁ Ḋ ₅ ╜> ٤ ٤ ₅ ╜ ╛ ' ő Ĭ ˜ ꝑ ă ↑ ﭪ

tracert

tracert ₅ ╜ ˘ ₌ ḅ ï

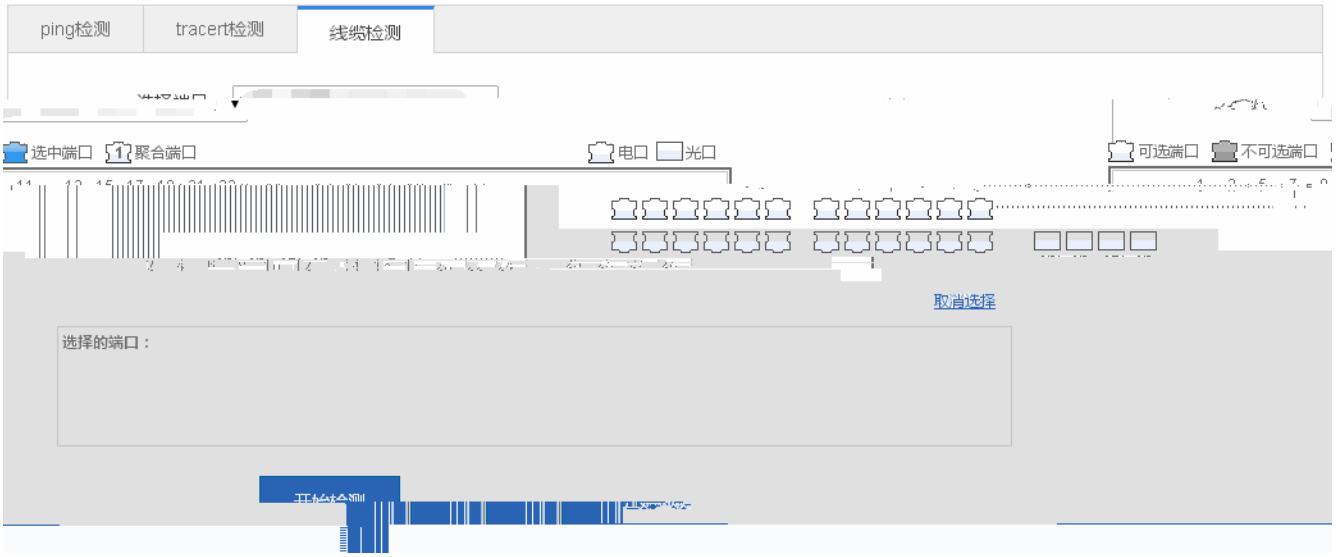
ḡ 1-58 tracert ₅ ╜



ҧ ping ₅╜ˋ ª ڑ ˊ IP ʂ ҳ ꞹ ɫ ᵅ ᴘ ˋ <Ȁ Ḋ ₅╜> ₅╜↲ ' ص ȍ Ĭ˜ ᵽ ă ↑ ؋

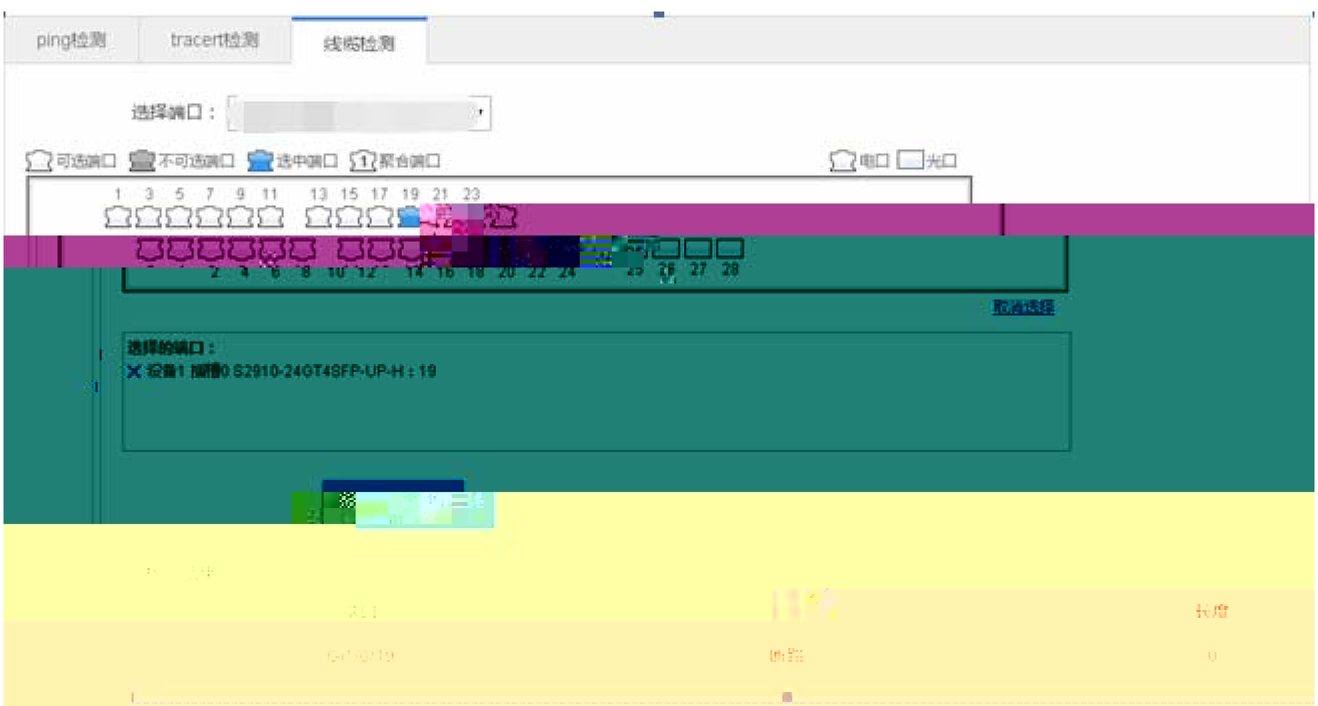
ﺃ ﺃ ₅╜ ˇ ₌ ƃ ï

ʛ 1-59 ﺃ ﺃ ₅╜



Ĵ ₌— ꞹ ɫ ᵅ ᴘ ˋ <Ȁ Ḋ ₅╜> ȁ Ọ ꞹ ể ɳ ȍ ˡ Ϣ<Ȁ Ḋ ₅↑ >ˇYٮ ï˜ ₅╜↲ '

ʛ 1-60 ﺃ ﺃ ₅╜↲ '



1.3.6.6 WEB

˘ ˛₩'O CLI ί˙ ᶨ ̈Ḥ ᵽ ڗ ↑ ڗ CLI ᵘ ҧ ̃Y ɫ ڃ ᾶ ᾶ ᵖ` ɒ ڱ ɓ ̃Yٿ ˡ ڗ ᵘ ҧ ̃Ḥ'Y ɒ TAB ɓ ᵘ ҧ ´ ش Ꝏ ɒ ? ɓ ᵘ ҧ