WEB

UG0V56 ʎ ʺΩ

S53_RGOS11.4(1)B42

ǎ ⁶ ѵ V413

[illegible]	[illegible]
[illegible]	[illegible]

3.

[illegible]

[illegible]

[illegible]

1 Eweb

1.1

ﭐ ̎A ﭐ ╞ ɳ ᴴ ɛ ḅ IE ζ ꞔ ﮈ ̎Ω WEB ˥ ת ˧ /˥ ˥ ת ̎Ω

WEB ˥ ת ὑ WEB ̀O ꞃ ᴴ ̄ WEB ḭ ̎A ˥ ꞕ ꞕ̓ WEB ̀O ꞃ ᴴ ﻮ ᾰ ꞵ ȸ ꜝ i ﭐ ˥ ì ῳ̣ ̄ ʃ ת ḭ ̎A ˥ ˥ ت ∂ ɛ ح ꞃ WEB ᾰ ᾱ̃ ̎EΦ ᵘ ҧ ت ∂ ζ Ẋ ̎H ʃ ת ˩ ' ﻑ ɨ /˥ ḭ ̎A ˥ WEB ḭ ̎A ˥ ụ Ẃ˝Y ˩ /˥ ╞ ɳ ᴴ ḅ IE

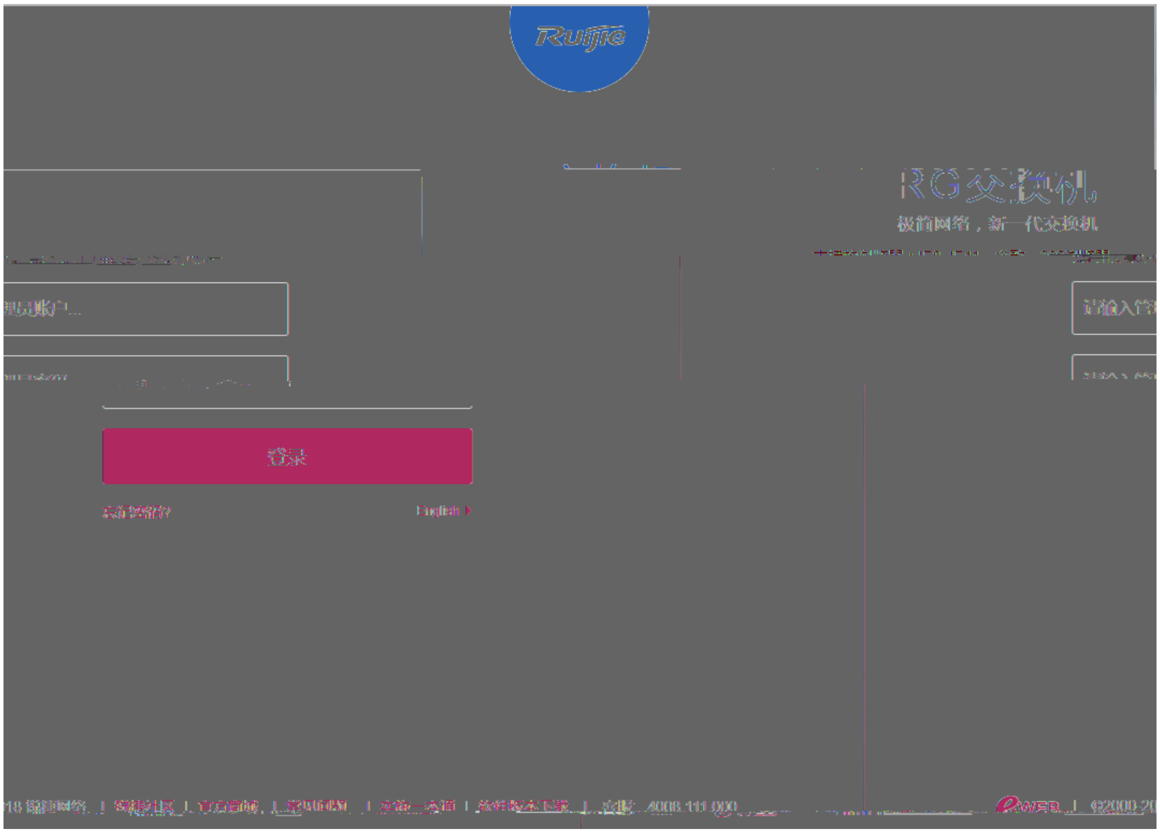
̋	S53	`	¢

1.2

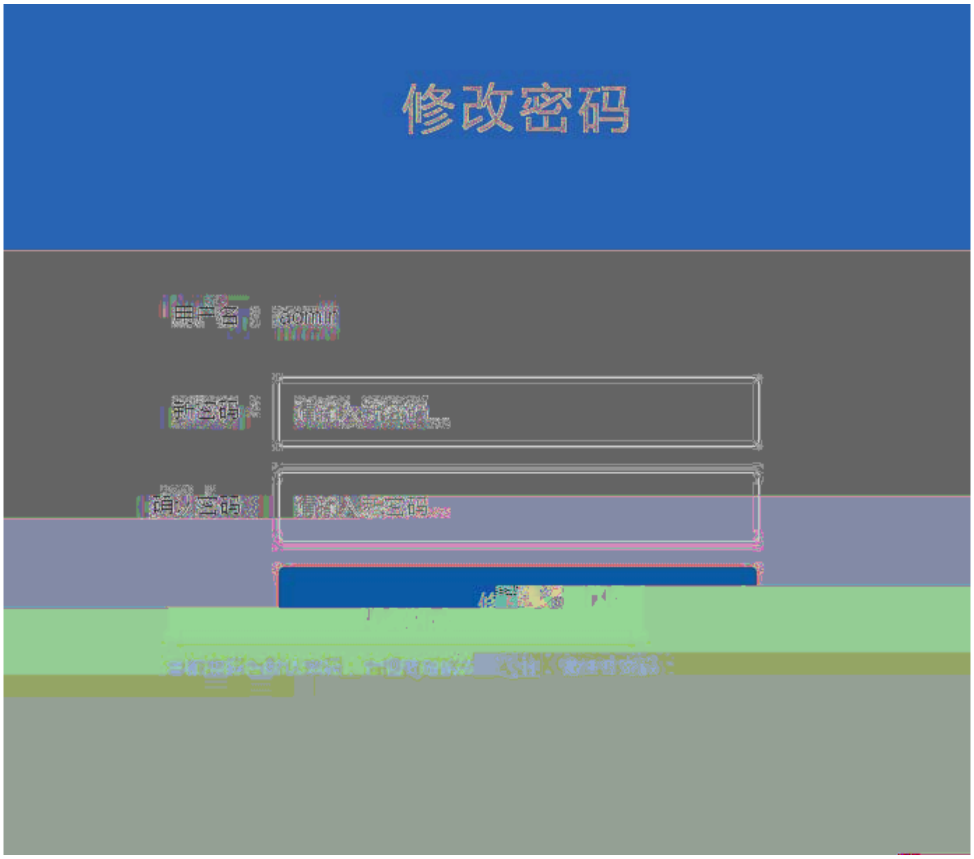
Ɛ ʒ Ẕ ﭐ	

├ ۶ ﻍ ᄊ↑ ֆ ꜝ ꭗ զ ա ﮃ ˝Ω . PC ﭐ ☇ ping ﻥ أ ˝Ω ő ꜝ Ꝏ ա ﮃ Ꚍ WEB ᄀ ת ง ﺍ

ﺫ

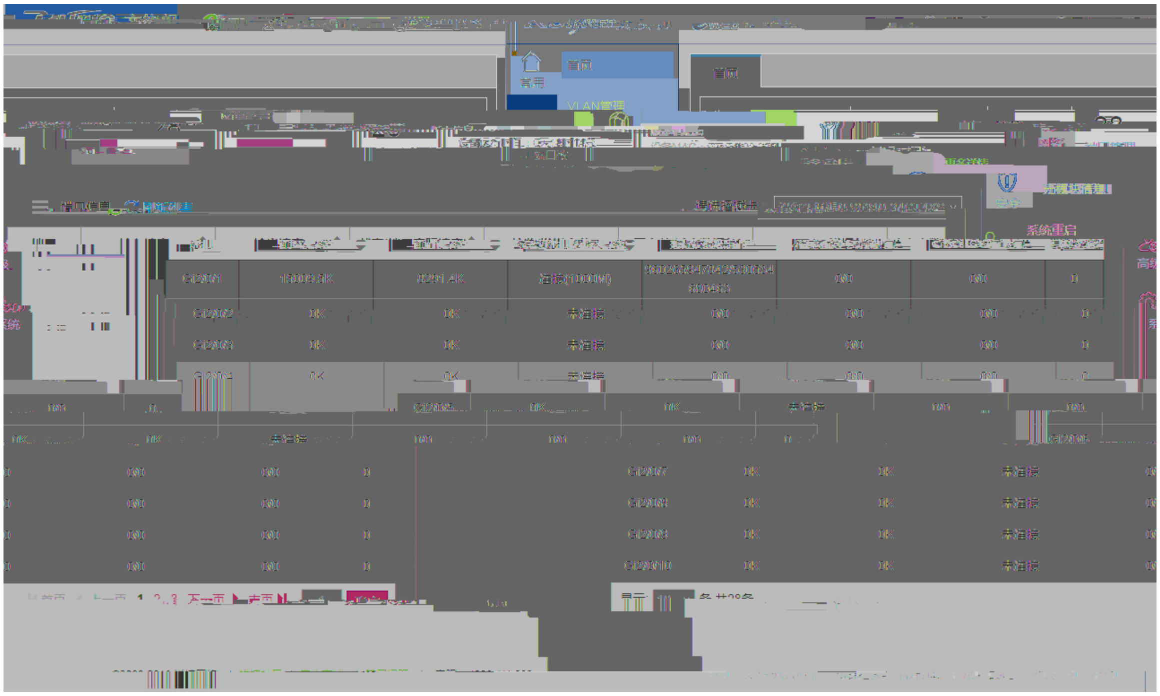


ڑ ˀ ̈A ᵉ ⊃ L̤ ɑ ꝑ ` <` ẹ> ƛ ˀ ̈A ᵉ ⊃ L̤ ḅ ï



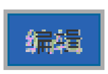
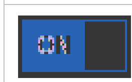
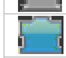
ƞ - ᾰ ı ᾰ̃ ḻ ȣ ᵅ Ṅ ڤ WEB ܕ ת ǯ ̎ ̳ ƞ - ᾰ ı ᵅ Ṅ ڤ WEB ܕ ת ǯ ̎ ̳ ḅ ï ǥ

ǥ 1-3 WEB ܕ ת Ẉ ᴶ ǯ ̎ ̳



Eweb ﭦ ¯Eweb ǚ ° ¢

1.3 Eweb

ჹ‰/˜Yٹ	ب ˝
	ﻧ ȷ ‍ ɐ` ǐ ჹ‰ ˡ Ꝏ ﻧ ȷ Ę ǰ ʟ ẹ
	ٹ
	ꜛ ȭ Ȁ ჹ‰
	ˡ ǰ ۲ ɐ` ᾰ ᾰꜛ ǰ ˡ Ꝏ ɥ ۲ ᴪ ᾰ ɒ ǰ ۲ ɓ
	j ˡ ǰ ۲
	ǰ ۲
	ĭ ۲ ۲ ҙ ˜Ώ È Ђ ˊ ĭ ۲
	Trunk ɹ VLAN ٦ ת/VLAN ֆ ﺪ ˜ ˛ ˛ — ῶ א
	è ˜Yٹ ώ Ẋ è ڑ Ụ

	▌ ﺕ ֆ ﺭ
	ڽ ֆ ﺭ
全选 反选 取消选择	ͺ — ﾑ ŋ ʃ ภ ˜Ḥ ͺ — ï Ά ﺏ ˝ ῶ ˡ ^ Ǯ ͺ — ἓ ῶ ف ج ὶ ˜Ḥ
	ọ ╎ ˚ ﻼ ﮊ ↑ ª ͺ V ῶ ἱ ﾒ ﺏ ˝ ἱ Ǯ ˚ ọ ╎
	ﺏ ˝
	६ ͻ

ֆ ﾣ ͺ — ჳ

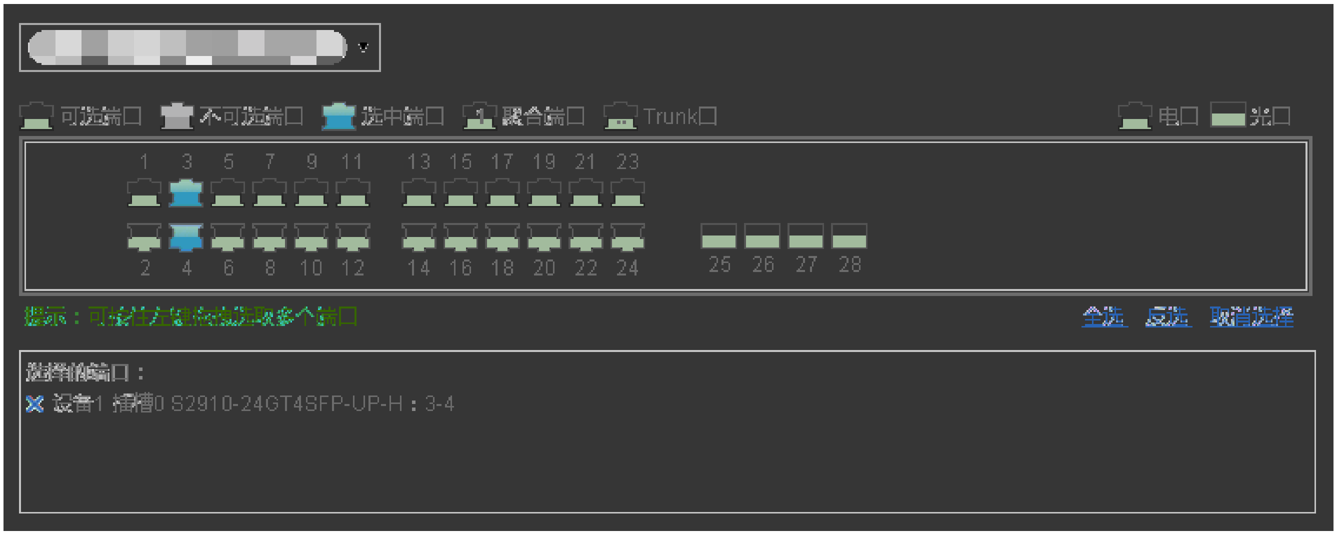
ͺ — ﾑ

ṫ i ư ï ˜ǀ ‴ ˝˜ Ḙ ֆ ﾣ چ ﮊ ﾑ ͺ — ˝˜ Ḙ Ǯ ᾀ ﾑ ˜ Y ჳ ᴘ ˋ ᾀ Rs ï ˜ǀ↑ ˡ Ꝏ ˊ ˜Ώ ᾀ ͺ —

ͺ — ˜Ḥ

ˡ Ꝏ ڽ ص ش‰ ᴘ ˋ ͺ — i < ﾑ > ᾰ ᾰ ŏ ش‰ Ǯ ^ < ﾑ > < ﾑ > ψ ᾰ < Ǯ ﾑ > W Ḿ Ǯ < ﾑ > ڨ Φ ֆ ﺭ
ḅ ▌ ﺕ ﾑ ὢ ڭ ﾑ ﯾ Ꝏ ﾑ ں ه ﾑ

ֆ ﾣ ͺ — Ǯ ﾑ ჳ



⁞ ˜Ώ WEB ꟼ ͺ ṫ ژ ￼ ᐟ o ″ ȝ̌ ɭ˙ ḅ ï ı ɨ̂ ﺎ ﺑ

ı ɨ̂ ͼ ớ	ꞁ
ﺙ ˜	ˡ Ꝏ˜ ᐦ Ụ ф ꜞ ₦
VLAN ᒣ ת	ˡ Ꝏ ф ﺎ VLAN ᐣ Trunk
ᐦ ᒣ ת	ˡ Ꝏ Ḿ ᐦ ﻗ Փ ᵍ ф ﺎ Ꝏ ф ﺎ ᐦ ɨ̌ ᐦ ﻳ ᐦ ﮪ ﺱ
⁎ ₩ ę Ụ	ˡ Ꝏ˜ ά ф ꜞ ￼ ⁎ ₩ ę Ḿ Ẕ ￼ Ụ
POE ф ﺎ	ˡ Ꝏ ф ﺎ ṕ POE ᐣ ᐦ POE ￼ ḳ
ᐦ ᐟ ﭖ ᵏ	ﭖ ᵏ ф ꜞ
MAC ȿ ӽ	ˡ Ꝏ ﻗ Փ ̄ ȭ ȿ ӽ ф ﺎ ᐣ ﺹ ﻪ ȿ ӽ ф ﺎ
ﺙ ꜝ ф ﺎ	ˡ Ꝏ ф ﺎ ﺙ ꜝ
ᐧ ᾰ ‴ ꞑ	ˡ Ꝏ ф ﺎ ᐧ ᾰ ‴ ṕ ᵍ Ụ Ꝏ ᐧ ᾰ ‴ ᐦ ф ﺎ RLDP ф ﺎ
IGMP ф ﺎ	ˡ Ꝏ Ḿ IGMP Snooping ﻗ Փ ф ﺎ
DHCP ᐟ	ˡ Ꝏ ф ﺎ DHCP ᐟ
ỉ ﺎ ẖ ᵉ ꞑ -	ˡ Ꝏ ﻗ Փ ᵁ ﺎ web ꞑ - ﺡ ᐟ ﺎ ﺑ
DHCP Snooping	ˡ Ꝏ ф ﺎ DHCP Snooping
ﮒ ARP ῳ̈	ˡ Ꝏ ф ﺎ ﮒ ﺎ ARP ₱ ﺡ ARP ₅˜ ф ﺎ DAI ф ﺎ ARP ˝ ˚
IP Source Guard	ˡ Ꝏ Ḿ ỉ ф ﺎ ꞁ ῝A ﺎ ḧ
ᐦ Ḡ	ˡ Ꝏ Ḿ ᐦ Ḡ ﻗ Փ ᵍ ф ﺎ Ḡ ﺎ ḧ
NFPP	ˡ Ꝏ˜ ˜ NFPP ﮒ ῳ̈ ˀ ḳ
ɭ Ÿ í ˙	ˡ Ꝏ ﻗ Փ ɭ Ÿ í ˙
ᐦ ï	ˡ Ꝏ ф ﺎ ᐦ ï
DHCP ﺎ ﺑ	ˡ Ꝏ ф ﺎ DHCP ̄ ȭ ȿ ӽ˛ ﺏ ḭ ῝A ᐦ ˝
ACL	ˡ Ꝏ ф ﺎ ACL ˝ ACL ˋH ﮋ Ẕ ꞁ ACL
QOS	ˡ Ꝏ ﻗ Փ˛ ᐧ ф ﺎ ᐬ ﺹ ф ﺎ ╙ ф ﺎ

ﻟ ﻟ ﻟ | ˡ Ꝏ ﻟ ﻟ ﻟ ﻟ `H ڙ ὼ Ḹ Ỡ ꓬ ﻟ ﻟ ꟺ Ặ ı ỉ́ SNMP

1.3.2

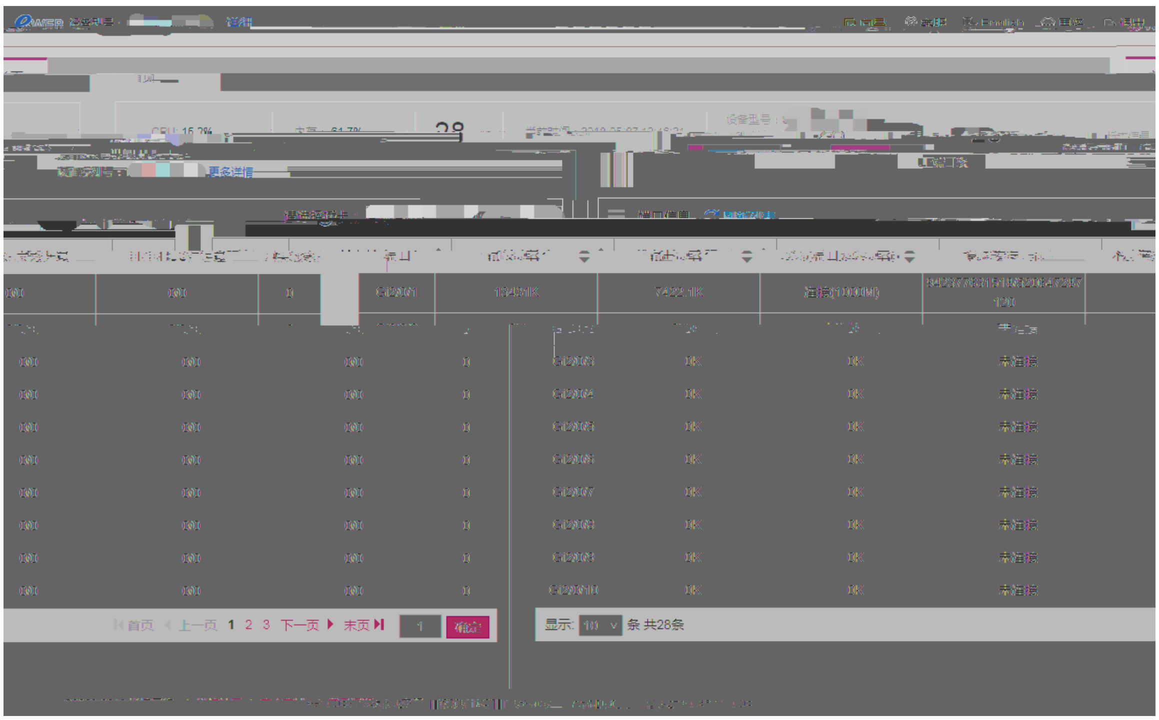
ڽ ص ﾉ o ɒ Ẃ ɪ̄ ɓ ˈ Ꝏ ڨ ﾉ o ᵍ ٽ ˜ VLAN ᑉ ת ᵛ ᑉ ת ӿ ₩ ę Ụ POE Ֆ ﺪ ᵛ ﾉ پ ᵏ

1.3.2.1

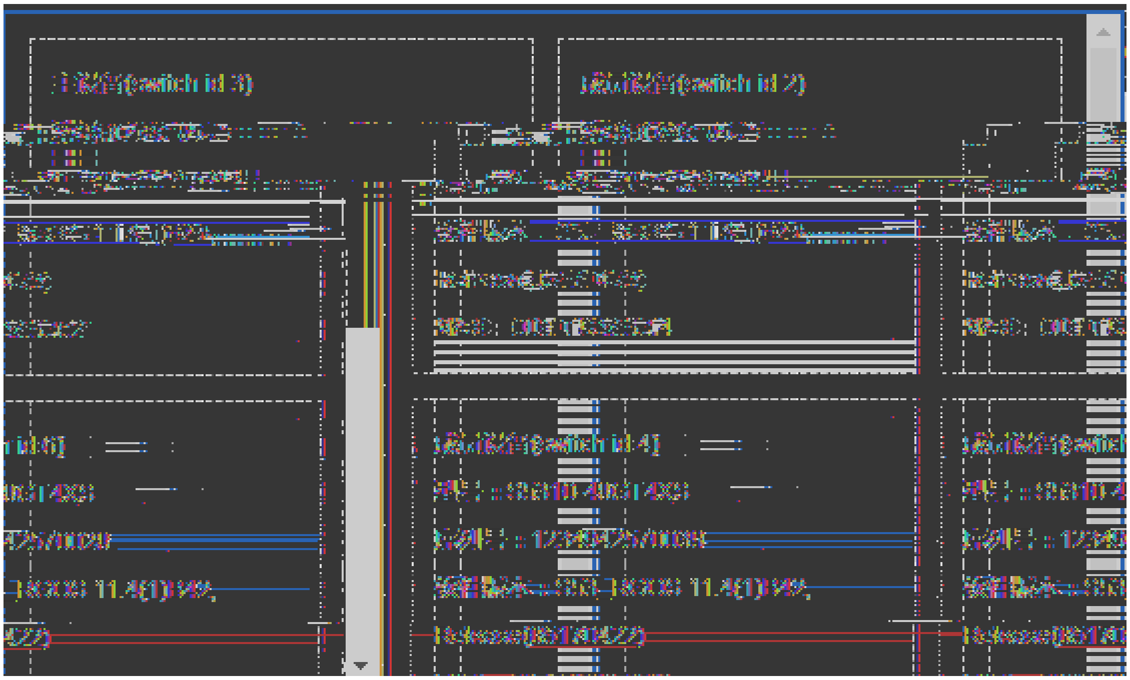
ڽ ص ᵛ ﾉ ٽ ˜ ˈ Ꝏ˜ Ֆ ! ﭒ ﺪ Ụ ᵛ ᵍ Ụ ᵛ ﾉ ɰ ḳ

ᵛ ﾉ ٽ ˜ ˜ ˛ ḇ ï ɡ̦

ɡ̦ 1-5 ᵛ ﾉ ٽ ˜



ش‰ ᒐ ˜ ^ ۈ ủ VSU ע ᴸ ï ˈ Ꝏ˜ Ꚋ Ֆ ! Ụ



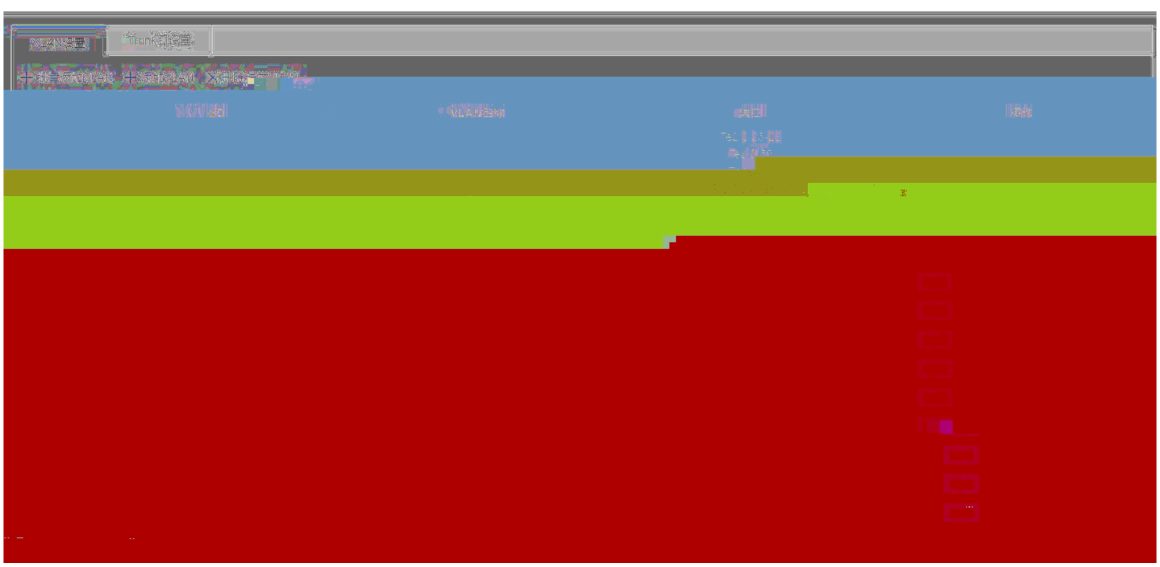
1.3.2.2 VLAN

VLAN ꞁ ɲ ˘ ˍ ᵍ ɒ VLAN ȹ ⅃ ɓ ⁼ ɒ Trunk ȹ ⅃ ɓ ɰ́

VLAN

VLAN ȹ ⅃ ˘ ˍ ḅ ï

ɡ, 1-6 VLAN ȹ ⅃



J̌ ͇ — ٩ ׀ Native Vlan ⁼ ꝑ ڼ ڝ VLAN(ƀ 3-5,8,10) ꝴ ̀ ɒ è ȹ ɺ ɓ ώ ̃ ɒ ȹ ɺ ᾰ ı ɓ Ḣ ᾰ ▌ ɿ ̈Ḥ ▌ ɿ Trunk Ĭ ˜ ꝑ Trunk ˊ

ɬ ڗ Trunk

ꝑ ɒ Trunk ˊ ɓ ꝴ ̀ • Trunk ̎ ͇ Ĭ ˜ ɪ́ Trunk Ụ Ḿ Ụ ڦ Ф ɬ ڗ ẇ ª ꝴ ̀ < ɬ ڗ ȹ ɺ > ώ ̃ ɒ ȹ ɺ ᾰ ı ɓ ׀

ٿ Trunk

ꝑ ɒ Trunk ˊ ɓ ش‰ ٩₆ • Trunk i J̌ < ٿ > ḡ ‰ ώ ̃ ɒ̣ ῧ ɭ ٿ ɪ́ Trunk ɓ ꝴ ̀ ̣ ῧ ώ ̃ ɒ ٿ ᾰ ı ɓ Ḣ ᾰ ٿ

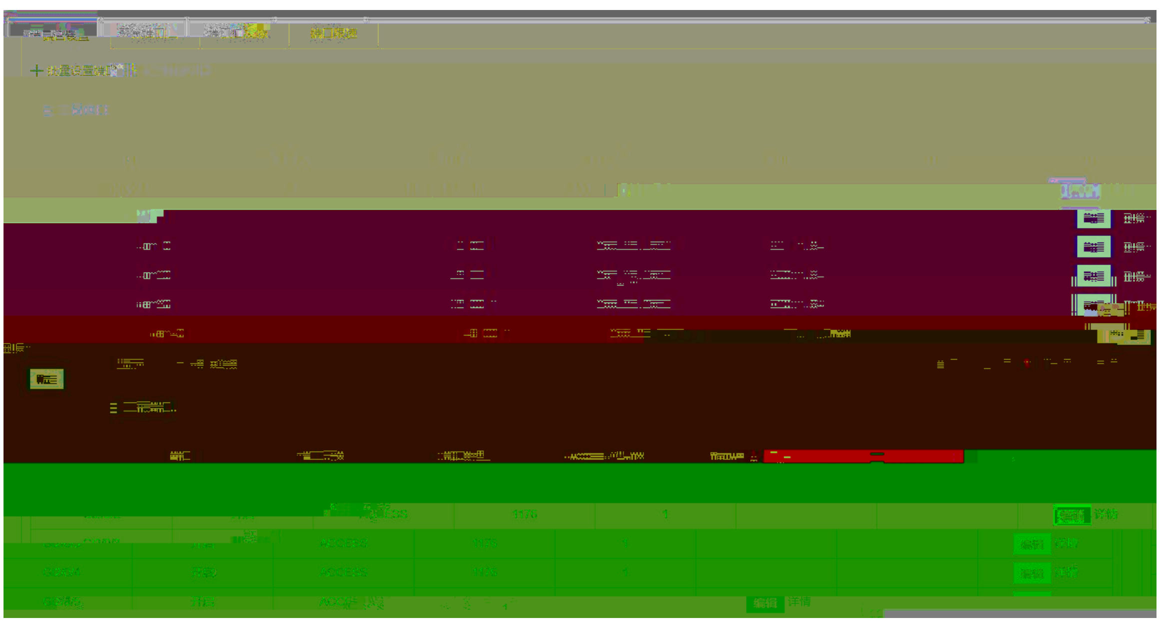
ῄ ٍ ٿ Trunk

ꝑ ɒ Trunk ˊ ɓ J̌ ̈O ɭ ٿ Trunk J̌ < ῄ ٍ ٿ > ḡ ‰ ώ ̃ ɒ̣ ῧ ɭ ٿ Trunk ɓ ꝴ ̀ ̣ ῧ ώ ̃ ɒ ٿ ᾰ ı ɓ Ḣ ᾰ ٿ

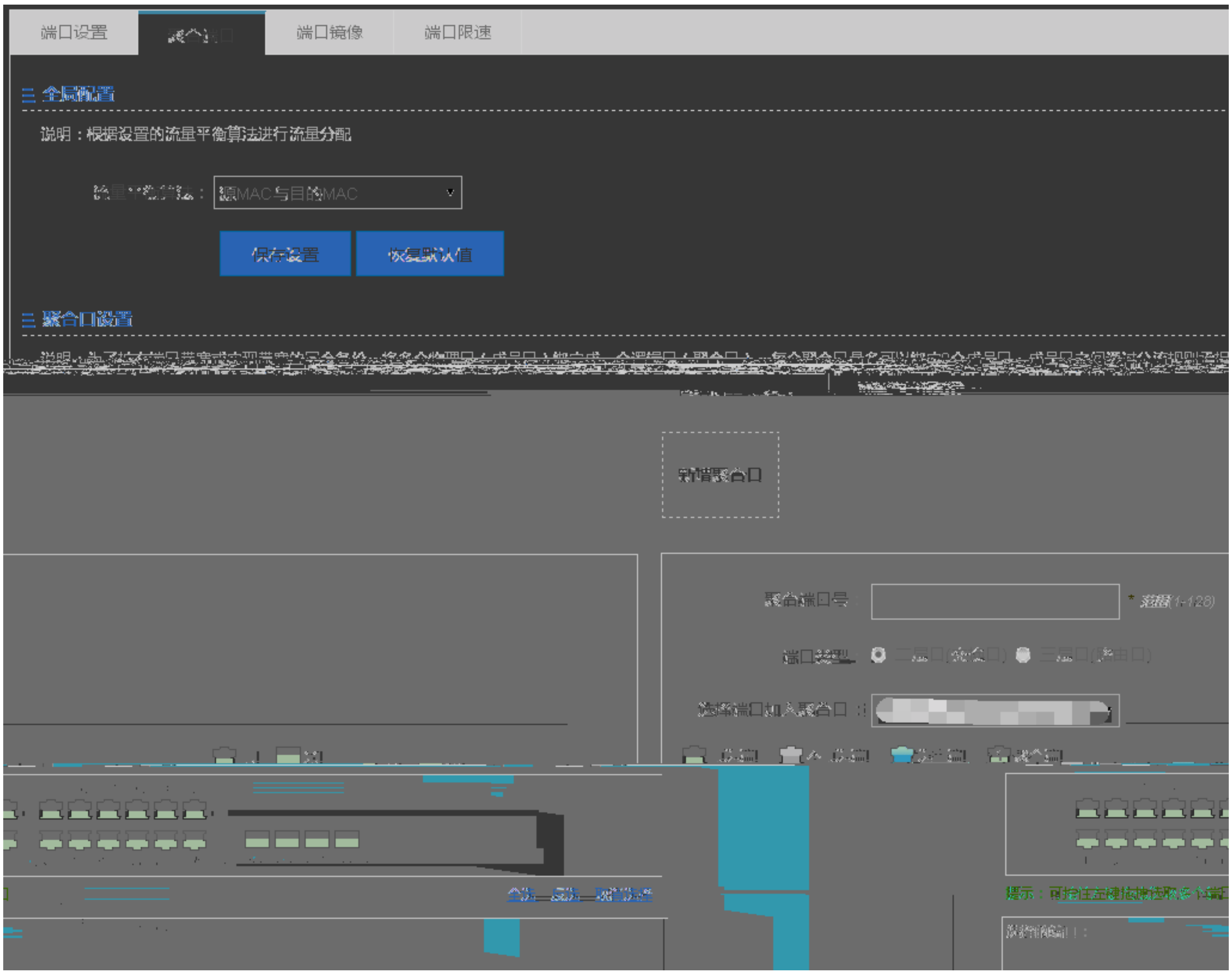
1.3.2.3

ɒ ٩ ٦ ת ɓ ׀ Ꚓ Ḿ ٩ ڦ Ф ᵍ ȹ ɺ Ꚓ ȹ ɺ ٩ ɪ̋ ٩ ݚ ٩ ﻫ ﺱ

ḡ 1-8 ᵍ ȹ ɺ



1-9


端口设置
端口镜像
端口限速
全局配置
说明：根据设置的流量平衡算法进行流量分配
源MAC与目的MAC
保存设置
恢复默认值
聚合口设置
新增聚合口
聚合端口号
端口类型
选择端口加入聚合口

ﭠ ĭ̋

ꝑ ɒ ˦ ĭ̋ ˊ ɓ ش‰ ˥₆ ĭ̋ i ꝑ ˋ < ﭠ>ʛ‰ ώ˜ ĭ̃ ᵋ ﭠ ĭ̋ ˦ ￼ ŋ↑ ꝑ ˋ . ŋ ˡ ẖ א ĭ̋ ˦ ￼ ﭠ˙Ḥ ﭠ ᵅ ₌ — Ṅ ɋ ﭠ￼< ĭ̋ ˦ >ᴪ ᾰ̋ < ˡ J̌ ˦ >

ŋ̋ ﻳ ﭠ ĭ̋

ꝑ ɒ ˦ ĭ̋ ˊ ɓ J̌˝O ɭ ﭠ￼ ĭ̋ ꝑ ˋ < ŋ̋ ﻳ ﭠ>ʛ‰ ώ˜ ĭ̃ ᵋ ﭠ ĭ̋ ˦ ￼ ŋ↑ ꝑ ˋ . ŋ ˡ ẖ א ĭ̋ ˦ ￼ ﭠ˙Ḥ ﭠ ᵅ ₌ — Ṅ ɋ ﭠ￼< ĭ̋ ˦ >ᴪ ᾰ̋ < ˡ J̌ ˦ >

ARP ɩ ˡ ¡ ARP ˡ ¡ MAC VLAN ɩ ˡ ˡ ˡ

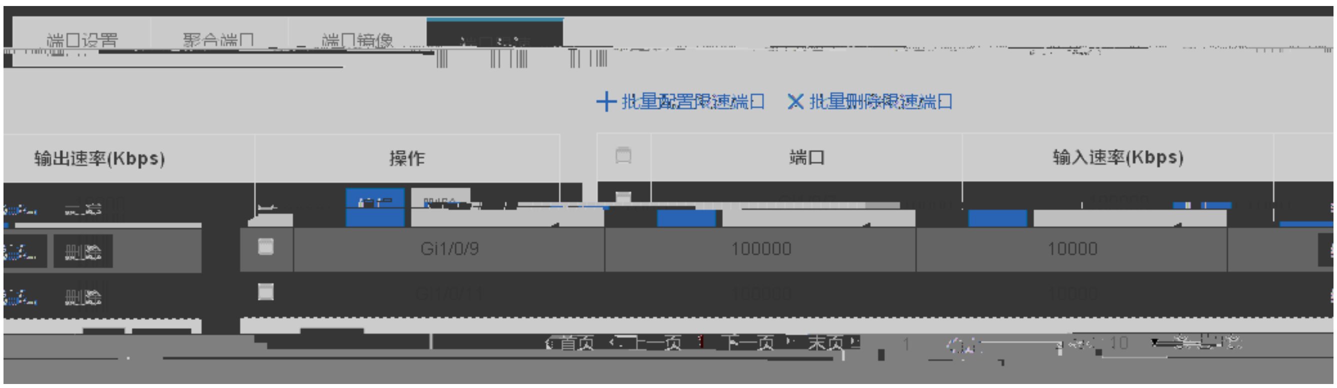
ˀ ﻳ ̎ ˭ Ḋ ཀ ﻷ ﬔ ꜛ ȭ ꜝ ཀ web ˡ ꝑ ȹ ﻟ ﻳ ˀ ̎ ˭ ˡ ѿ ˭— ˡ ˭ ˭—ǰ ￼ˀ Ṅ ཀ
◊ ˀ ɛ գ ﻳ ˀ ˈ ˄ ǰ ζ ï ˭ ˭— ỉ ǰ ˀ ཀ´ ￼ˀ ɛ ﻳ ˀ ζ ǰ ᾰ ώ ˭— ˡ ￼ˀ ᵅ ᵖ
` <ﭗ ﻟ ﻳ >̃Ƴ ﭦ ώ˜ ɒ ȹ ﻟ ᾰ ı ɓ ˈ

ﭦ ˡ ¢ ˡ < > ﺵ
ﭦ ˡ ﺷ ¢

ˡ ˡ ʟ ˭ ˡ ˡ ˭ ˡ ˡ ʟ ¢

ˀ ں ﻫ ̎ ˭

ჹ 1-11 ˀ ں ﻫ



▌ ǐ ں ﻫ ˀ

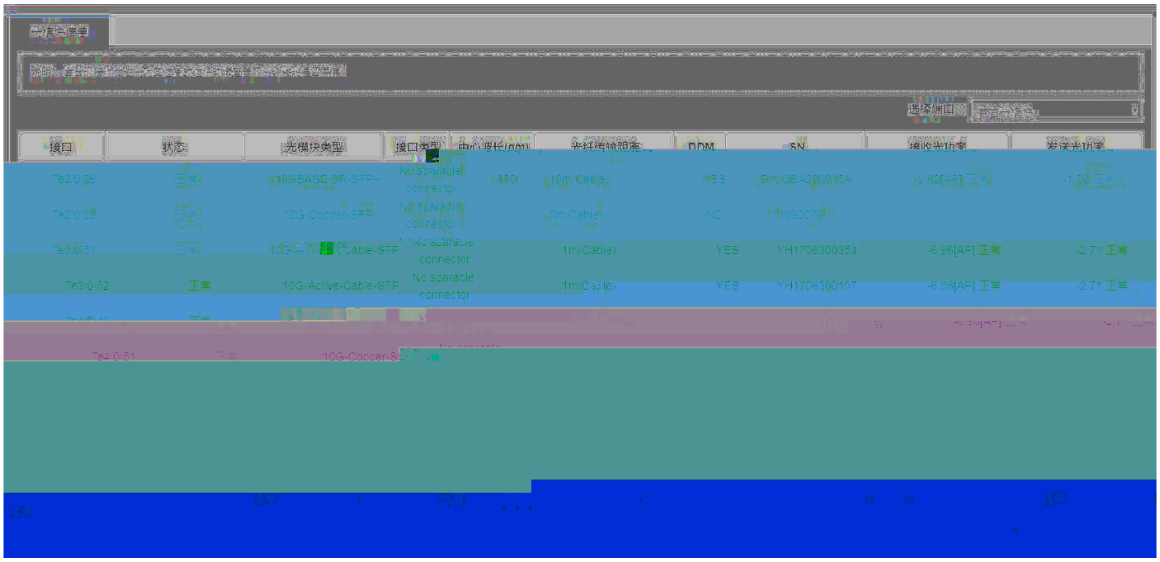
ȹ ﻟ ں ﻫ ˀ ڗ ں ﻫ ᵕ ڗ ں ﻫ ọ ɛ ˡ ᵖ` ɒ Ḣ ᾰ ﭗ ﻟ ɓ ώ˜ ɒ ȹ ﻟ ᾰ ı ɓ ᵅ Ĭ˜ ꝑ ˀ ں ﻫ ˜

ﻷ ﬔ ں ﻫ ˀ

ᵖ` ɒ ˀ ں ﻫ ˜ ɓ ώ ᵅ ˝Ḥ ˝ ï ￼< ﻷ ﬔ >ჹ‰ ̎ ˭ Ĭ˜ Ỉ ˀ ں ﻫ ￼ Ụ Ḿ Ụ ﻓ Φ ﻷ ﬔ ᵅ ᵖ` <Ḣ ᾰ ﭗ ﻟ>
ώ˜ ɒ ȹ ﻟ ᾰ ı ɓ ˈ

ﭦ ں ﻫ ˀ

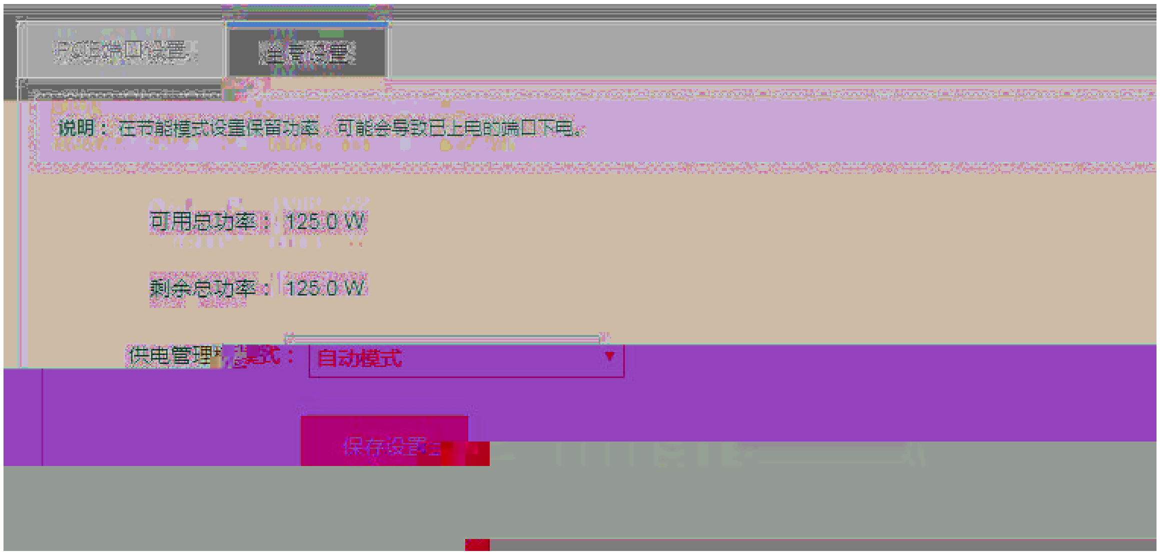
1 ζ ꝑ ɒ ˀ ں ﻫ ˜ ɓ ǰ˝O ˄ỉ ʟ ẹ ẃ ˛



1.3.2.5 POE

ɒ POE ф ـإ ɓ ˡ Ꝙ Ḿ ﾓ ڨ Φ

1-14

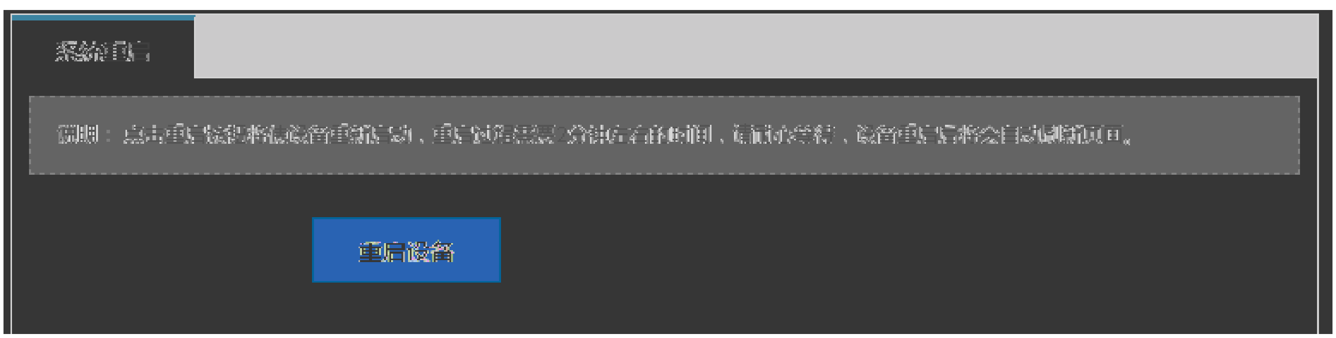

PoE端口设置
全局设置
说明：在节能模式设置保留功率，可能会导致已上电的端口下电。
可用总功率：125.0 W
剩余总功率：125.0 W
供电管理模式：
自动模式
保存设置

[illegible]

1.3.2.6

[illegible]

1-15


系统重启
重启设备

[illegible]

1.3.3

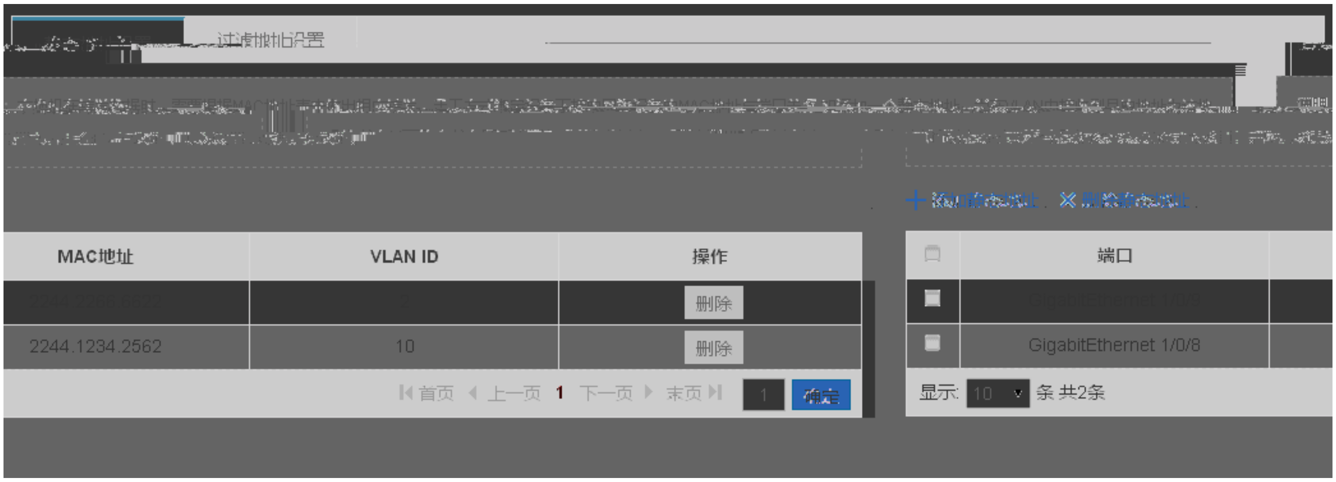
ﭖﺻ ﾑ ο ɒ ﻟ ﾊ ɓ ˡ Ꝍﻗ ﾑ ο ᵍ MAC ȿ ɣ ﺖ ˈ ȸ ﻟ ˈ ᾰ ‴ ɲ IGMP ȸ ﻟ DHCP ﾑ ȸ ﻟ ¡ ﻟ
ђ ᵉ ɳ - Ḡ ﭖ ﯼ

1.3.3.1 MAC

MAC ȿ ɣ ˥ ת ‶ ͺ ᵍ ɒ ᷈ ȭ ȿ ɣ ȸ ﻟ ɓ ⁼ ɒ ﺻ ﺒ ȿ ɣ ȸ ﻟ ɓ Ꮒ́

᷈ ȭ ȿ ɣ ȸ ﻟ ‶ ͺ ḅ ï

ɠ 1-16 ᷈ ȭ ȿ ɣ ȸ ﻟ



▌ ɪ ᷈ ȭ ȿ ɣ

ȸ ﻟ ᷈ ȭ ȿ ɣ ọ ɛ ˡ MAC ȿ ɣ VLAN ID ˧ ᵖ ɒ Ḣ ᾰ ﻟﺐ ɓ ώ˜ ɒ ȸ ﻟ ᾰ ı ɓ ᵅ Ĭ˜ ɥ ᷈ ȭ ȿ ɣ ˝

ﻧ ﺋ ᷈ ȭ ȿ ɣ

ᵖ ɒ ᷈ ȭ ȿ ɣ ˝ ɓ ῳ ᵅ ‟Ḥ ″ ï <ﻧ ﺋ >ɠ‰ ‶ ͺ Ĭ˜ Ỉ ᷈ ȭ ȿ ɣ Ụ Ḿ Ụﻗ Φ ﻧ ﺋ ᵅ ᵖ <Ḣ ᾰ ﻟﺐ> ώ˜ ɒ ȸ ﻟ ᾰ ı ɓ ˡ

ﭪ ᷈ ȭ ȿ ɣ

ɥ ɒ ᷈ ȭ ȿ ɣ ˝ ɓ J̌˝O ^ ǐ ʟ ẹ ᵖ ɒ ﭪ J̌ ᷈ ȭ ȿ ɣ ɓ ῆ ͺ ﭪ˝Ώ˜Ώ

2 ζ ᵖ ɒ ᷈ ȭ ȿ ɣ ˝ ɓ ῳ ᵅ ‟Ḥ ″ ï < ﭪ>ɠ‰ ώ˜ ɒ ȟ ﭪ J̌ ᷈ ȭ ȿ ɣ ɓ ῆ ɒ ђ ˡ @ ђ ᵈ ﻟﺐ ˥ J̌ <

▌ ĭ ﺻ ▾ ş ҳ

ф ﻟ ﺻ ▾ ş ҳ ọ ء ˡ MAC ş ҳ ⁼ VLAN ID ᴾ ˋ ɒ Ḣ ӑ ﺑ ﻟ ɓ ώ˜ ɒ ф ﻟ ӑ ı ɓ ᵅ Ĭ ˜ ꝑ ˉ̄ ỗ ş ҳ ˊ

ﻼ ڙ ﺻ ▾ ş ҳ

ᴾ ˋ ɒ ﺻ ▾ ş ҳ ˊ ɓ ῳ ᵅ ˝Ḥ ″ ï < ﻼ ڙ > ɡ‰ ˜̏ ˛ Ĭ ˜ ʃ ﺻ ▾ ş ҳ Ụ Ḿ Ụ ﻗ Φ ﻼ ڙ ᵅ ᴾ ˋ < Ḣ ӑ ﺑ ﻟ > ώ˜ ɒ ф ﻟ ӑ ı ɓ ˡ

ٿ ﺻ ▾ ş ҳ

ꝑ ɒ ﺻ ▾ ş ҳ ˊ ɓ J̌˝O ^ꝭ ʟ ẹ ᴾ ˋ ɒ ٿ J̌ ﺻ ▾ ş ҳ ɓ ŋ̈ ﹳ ٿ˝Ω˜Ω

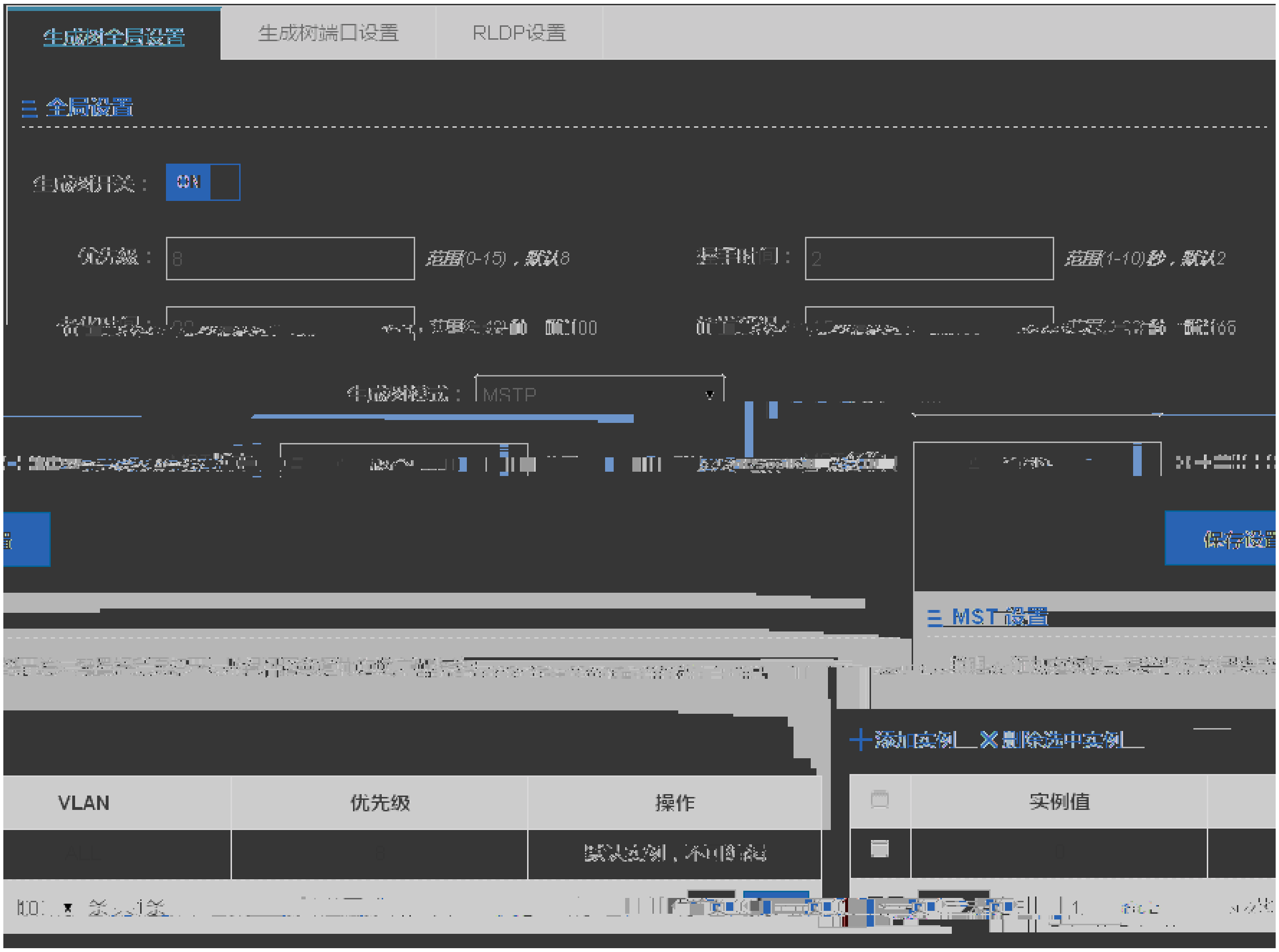
2 ζ ᴾ ˋ ɒ ﺻ ▾ ş ҳ ˊ ɓ ῳ ᵅ ˝Ḥ ″ ï < ٿ > ɡ‰ ώ˜ ɒ. ḧ ٿ J̌ ﺻ ▾ ş ҳ ɓ ᴾ ˋ . ḧ ώ˜ ɒ ٿ ӑ ı ɓ Ḣ ӑ ٿ

1.3.3.2

ɒ ٿ ˈ ф ﻟ ɓ ˡ ҩ Ḿ ٿ ˈ ﻗ Φ ˥ ת

ٿ ˈ ф ﻟ ˜̏ ˛

ɡ 1-18 ٿ ˈ ˥ ת



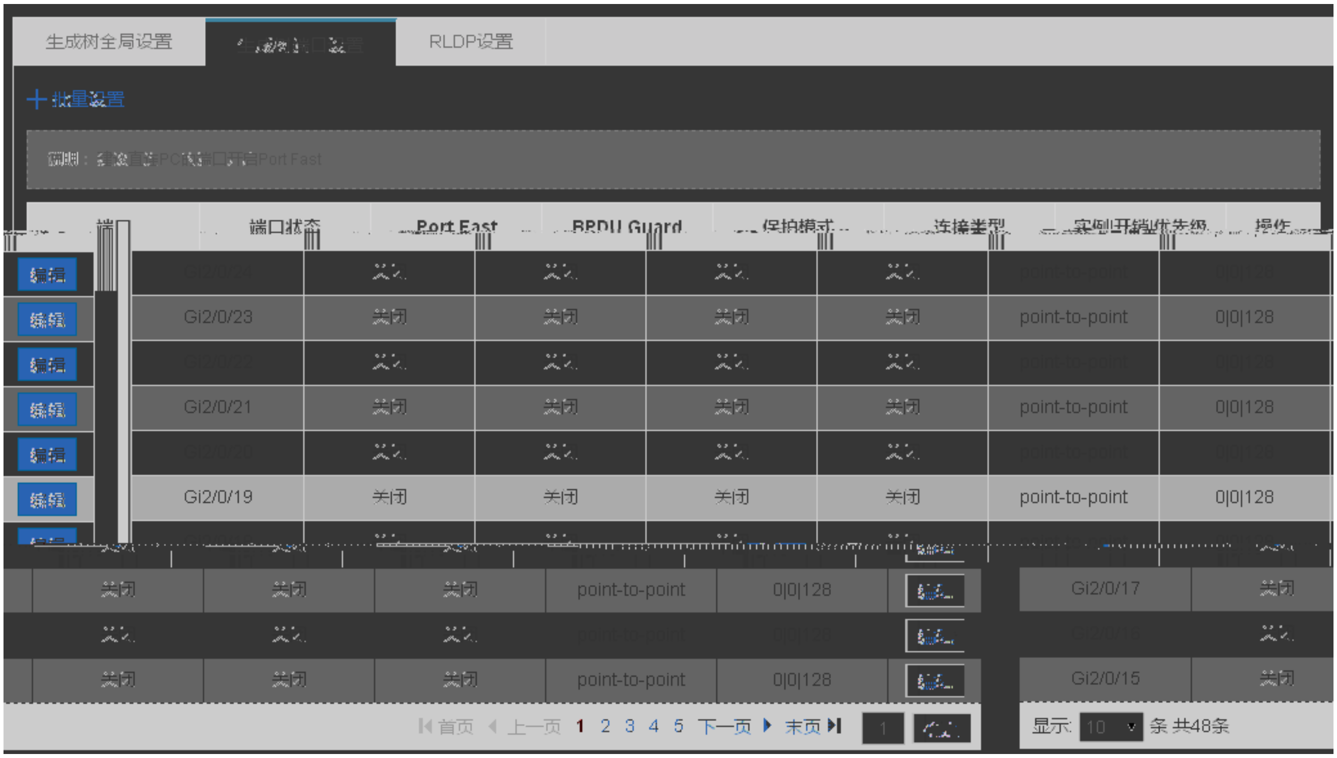
ˡ Ꙍ Ḿ ꟷ ᾰ ‴ ṕ ˝Ω ڤ Ф ﺐ ﻝ ꟷ ᾰ ‴ ₩ Ã J̌ ˝O ᵹ ᵱ MSTP ƃ ˋH ˡ Ꙍ Ḿ MST ḫ ڤ Ф ∯ ﻝ

▌ ĭ ḫ

∯ ﻝ ḫ ọ ꜱ ˡ ḫ ⁼ VLAN ᵰ ƫ Ụ ˡ J̌ ᵽ ᵱ Ḣ ᾰ ﺐ ﻝ ƃ ώ ᵱ ∯ ﻝ ᾰ ꟷ ƃ ᵅ Ĭ ˜ ᵽ ḫ

ﻼ ȍ ḫ

ᵽ ᵱ ḫ ƃ ῳ ᵅ ˝Ḥ ″ ï < ﻼ ȍ > Ѧ ᶃ ᾰ ﺐ < ᶃ ˜ Ɣ ∯ ᾰ ꟷ ƃ ᵅ ᵹ



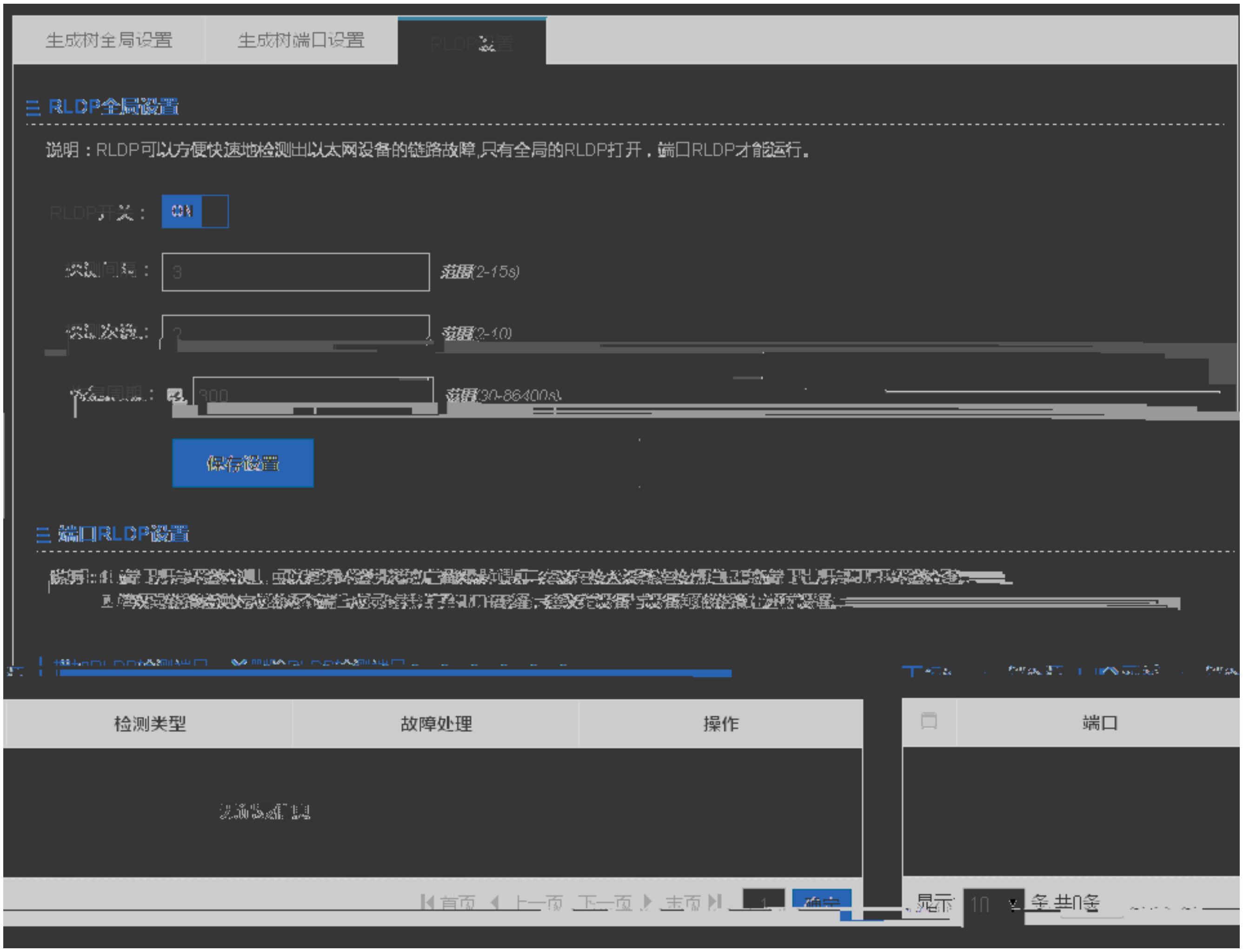
ῃ ﻳ ቓ ﺎ

Ĵ˝O ï₩Ã Port Fast BPDU ﺺ ﻑ ì ﻴ ʒ ﻳ Ӿ ﻴ ﻳ Ĵ˝O ﻳ ﻗΦ ῃ ﻳ ቓ ﺎ

ﻻ ﺚ ቓ ﺎ

ჵ ϸ ɨ ᾰ ‴ ﻳ ΄ ɓ ῳ ª ˝Ḥ ″ ï <ﻻ ﺚ >ჳ‰ ̎ ̳ Ĭ˜ Ị ﻳ Ụ Ḿ Ụﻗ Φ ﻻ ﺚ ª ᵽ` <Ḣ ᾰ ﺐ ﺎ> ώ˜ ϸ ቓ ﺎ ᾰ ı ɓ ˡ

RLDP



1　RLDP　ṕ ȹ ɹ

ꝑ`　RLDP Ȁ　˜Yݽ ꞁ Ꝿ Ȁ ᵏ ᾰ ᾰ　ȝ RLDP ı ἵ　Ȁ ᵏ `Hݒ ή ╝ ݾ ݽ　ή ╝ Ʞ˝Ω　ꝑ`　<　è ȹ ɹ >˜Yݽ　ώ˜　ɒ ȹ ɹ ᾰ ı ɓ　ꞁ

2　ᛉ　RLDP ȹ ɹ

▌ ɼ RLDP ₅ ╝ ᛉ

J̌˝O ɒ ₅ ╝ ɿ ʒ ɓ　ɒ ώ̤ ݣ ʃ ɲ ɓ　ᛉ　ª˜Y ɒ ▌ ɼ ȹ ɹ ɓ　ώ˜　ɒ ȹ ɹ ᾰ ı ɓ　Ḣ ᾰ RLDP ₅ ╝ ᛉ　￼▌ ɼ ˝Ḫ　▌ ɼ ᾰ ı ª　Ĭ˜　ꝑ ɒ RLDP ₅ ╝ ᛉ　ˊ ɓ

ꟻ ȝ RLDP ₅ ╝ ᛉ

ꝑ`　ɒ RLDP ₅ ╝ ᛉ　ˊ ɓ ω ª　˝Ḫ　″ ï ￼< ꟻ ȝ > ꞡ‰　ᵚ ₌　Ĭ˜　RLDP ₅ ╝ ᛉ　￼　Ụ　Ḿ　Ụ ڦ Φ ꟻ ȝ ª　ꝑ`　<Ḣ ᾰ ݒ >ώ˜　ɒ ȹ ɹ ᾰ ı ɓ　ꞁ

ݽ ݠ ݤ ᛉ

ꝑ ɒ RLDP ₅ ╝ ᛉ　ˊ ɓ　J̌˝O ^ἰ　ʟ ẹ　ꝑ`　ɒ ή ꞔ　ݽ RLDP ₅ ╝ ᛉ　ɓ ή ꞔ　ݽ˝Ω˜Ω

2 ζ ɐ ` ɒ RLDP ₅ ╜ ﻴ ˊ ƀ ῳ ª ῤ ″ ï < ڻ > ฐ ‰ ώ˜ ɒ ῆ ڻ ڵ ˝Ώ ƀ ɐ ` ῆ ώ˜ ɒ ڻ ᾰ ı ƀ Ḣ ᾰ ڻ

1.3.3.4 IGMP

IGMP ф ﻟ ˘ ﹳ ƀ ï

ฐ 1-21 IGMP Snooping ф ﻟ

ĭ ﻴ ﻣ ﯖ

ф ﻟ ﻴ ﻣ ﯖ ọ ﻉ ﻴ ﻣ ﯖ ‰ ῤ ş ҳ ƀ Ṵ ﻟ ɐ ` ɒ Ḣ ᾰ ﺑ ﻟ ƀ ώ˜ ɒ ф ﻟ ᾰ ı ƀ ª Ĭ˜ ƥ ﻴ ﻣ ﯖ

ﻳ ﻣ ﯖ

ɐ ` ɒ ﻴ ﻣ ﯖ ˊ ƀ ῳ ª ῤ ″ ï < ﻳ > ฐ ‰ ˘ ﹳ Ĭ˜ ﻴ ﻣ ﯖ Ụ Ḿ Ụ ڤ Ф ﻳ ª ɐ ` < Ḣ ᾰ ﺑ ﻟ > ώ˜ ɒ ф ﻟ ᾰ ı ƀ

ڻ ﻴ ﻣ ﯖ

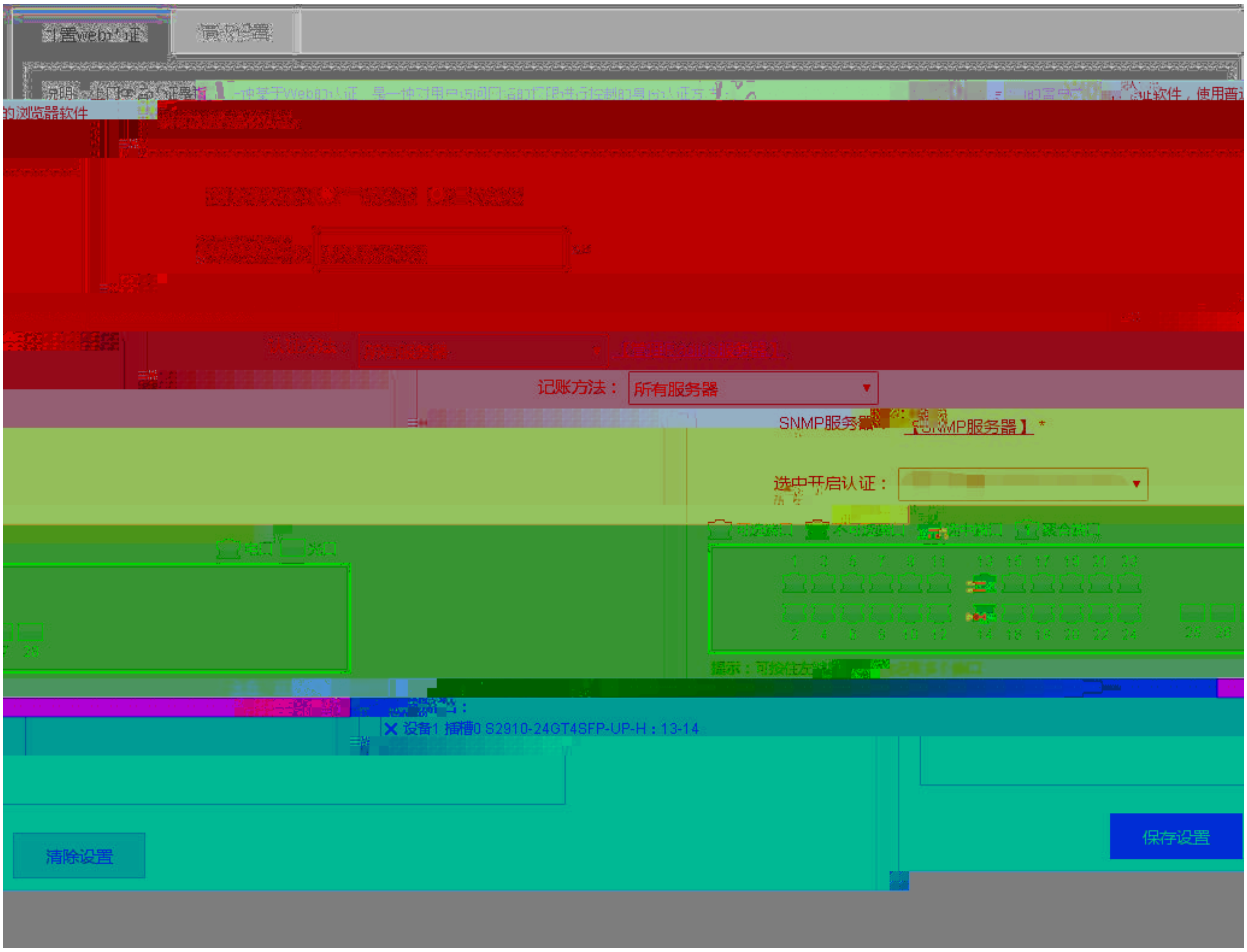
1 ζ ƥ ɒ ﻴ ﻣ ﯖ ˊ ƀ J̌ ˝O ^ ʟ ẹ ɐ ` ɒ ڻ ڵ ﻴ ﻣ ﯖ ƀ ῆ ڻ ˝Ώ

2 ζ ɐ ` ɒ ﻴ ﻣ ﯖ ˊ ƀ ῳ ª ῤ ″ ï < ڻ > ฐ ‰ ώ˜ ɒ ῆ ڻ ڵ ƀ ɐ ` ῆ ώ˜ ɒ ڻ ᾰ ı ƀ Ḣ ᾰ ڻ

1.3.3.5

ɒ i ﻳ ḫ ɒ - ƀ Ό ڤ Ф ﻟ web ɒ - ﻴ ф ﻟ

ց 1-22 ᵁ ˩ web ռ - ֆ ˩



Ὸռ ᴴ IP ʂ ҳ ڀ ḧ ᵇ ǯ ᵚ ᵯ ọ ǰ ᴱ ` ɒ è ֆ ˩ ɓ ώ ˜ ֆ ˩ ǎ ı ˡ

ϫ ⁴ ֆ ˩ ￼ ᵚ ˽ ḅ ï

ց 1-23 ϫ ⁴ ֆ ˩

ꞑ - ɹ ʎ˚ ◊ ˭ ꞑ - ꞅ ̈A ˡ Ꝏ ₯ ɹ ˄ ₯ ɹ Ꞁ ب ɹ ï ᵖ` ɒ è ₯ ɹ ɓ ḡ‰ ώ˜ ₯ ɹ ᾰ ı ˡ

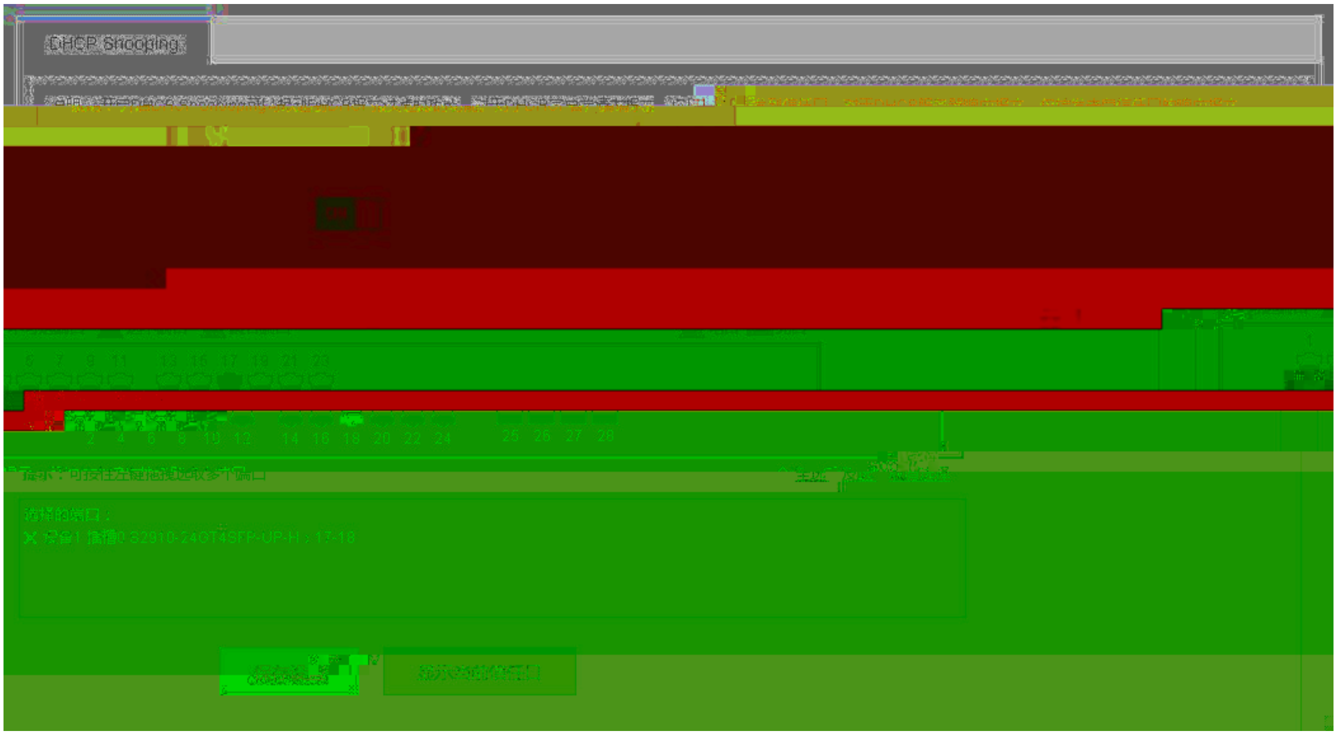
1.3.4

ڽ ص ʎ o ɒ Ḡ ɓ ˡ Ꝏ ڦ ʎ o ᵍ DHCP Snooping گ ARP ῳ̈` IP Source Guard ˠ Ḡ NFPP ɩ Ȳ í ˙

1.3.4.1 DHCP Snooping

DHCP Snooping ￼ ̎ ˷ ḅ ï

ḡ 1-24 DHCP Snooping ₯ ɹ



DHCP SERVER ﻗ ì ￼ ᠰ ﻠ ﻝ ֆ ﻟ ꭗ DHCP ٯ i ￼ DHCP SERVER ῃ │* Ẃ Ṫ ﹳ — i J̌ ᠰ Ꮒ́ Ỉ ᠰ Ȁ ᵏ DHCP ﺈ ̎A ᑊ ́ ì ᵽ ﹳ — i J̌ ᠰ ɫ ᵅ ꝑ ̀ < ȅ ֆ ﻟ > ̃Yﭤ

1.3.4.2 ARP

ɒ ﮔ ARP ῲ ɓ ᑊ Ҩ ﻓ Ф ﮔ ﻟ ARP ₱ ﺡ ֆ ﻟ ARP ₅ ꜝ ֆ ﻟ DAI ֆ ﻟ ARP ́ ˚

ARP

ꞡ 1-25 ﮔ ﻟ ARP ₱ ﺡ

ĩ ص ـ ٩

ȹ ﻟ ص ـ ٩ ọ ء ǀ IP § ӿ ը ̀ ɒ Ḣ ᾰ ب ﻟ ɓ ώ ̃ ɒ ȹ ﻟ ᾰ ı ɓ ª Ĭ ̃ ȵ ص ـ ٩

ﻻ ۃ ص ـ ٩

ը ̀ ɒ ص ـ ٩ ̋ ɓ ῳ ª ̋Ḥ ″ ï <ﻻ ۃ >ƍ‰ ̋ ̧ Ĭ ̃ Ỉ ص ـ ٩ Ụ Ḿ Ụ ڤ Ф ﻻ ۃ ª ը ̀ <Ḣ ᾰ ب ﻟ> ώ ̃ ɒ ȹ ﻟ ᾰ ı ɓ ǀ

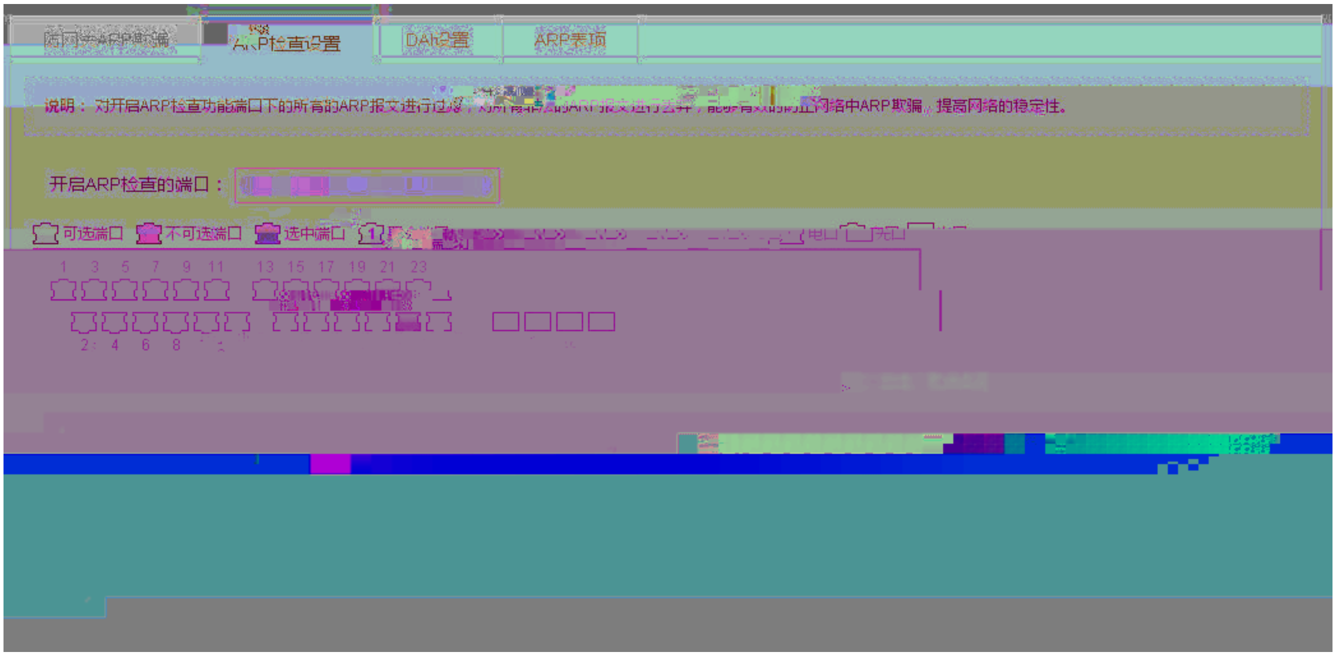
ٹ ص ـ ٩

1 ζ ȵ ɒ ص ـ ٩ ̋ ɓ J̌ ̋O ^ǂ ʟ ẹ ը ̀ ɒ ٹ ڵ ص ـ ٩ ɓ ῄ ۑ ٹ ̋Ώ̣ ̃Ώ

2 ζ ը ̀ ɒ ص ـ ٩ ̋ ɓ ῳ ª ̋Ḥ ″ ï < ٹ >ƍ‰ ώ ̃ ɒ̣ ῄ ٹ ڵ ص ـ ٩ ̋Ώ̣ ̃Ώ ɓ ը ̀ . ῄ ώ ̃ ɒ ٹ ᾰ ı ɓ Ḣ ᾰ ٹ

ARP

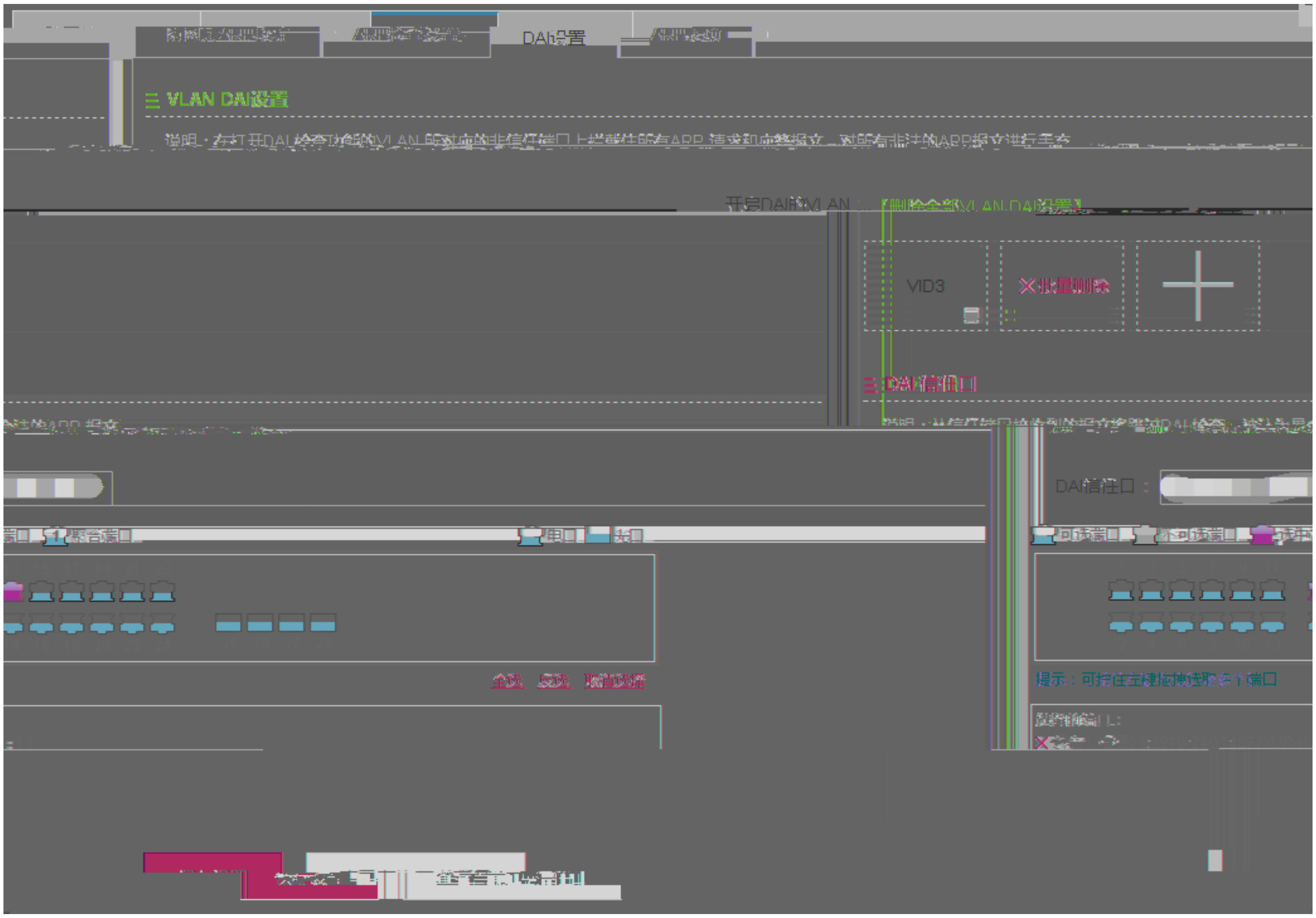
ƍ 1-26 ARP ₅ǂ ȹ ﻟ



ⱼ — J̌˝O ꟸ Ṯ Ȁ ᵏ ARP ₅ꜟ ı ɨ́

ﺔ ¡ ARP ¢ ¡
< ARP ¡ > ﺵ ﺔ ARP ¢

DHCP Snooping ¡ ¡ ARP ¢



1 VLAN DAI ֆ ﻟ

ҿ ` ▌ ҭ g‚‰ ꟺ ҭ Ằ ᵏ DAI ı ť̉ VLAN

2 DAI

₌ — J̌˝O ˦ Ằ ᵏ DAI ı ť̉

ٿ DAI ¡ ¢ ¡

õ >> ؎ õ ﻟ ῗ

1 ζ ˡ Ϣ J̌ ̈O ɒ ARP ˊ ˚ ˊ ɓ ^ᛁ õ ̈Ώ̰ ̃Ώ ἤ ﻹ ф ﻟ ᇑ ؎ õ ﻟ ῗ ̈Ώ̰ ̃Ώ

2 ζ ᕐ ` ɒ ARP ˊ ˚ ˊ ɓ ῳ̣ ᵅ ̈Ḥ ″ ï < õ ڃ ؎ õ ﻟ ῗ > ᶃ ‰ ώ̃ ɒ ф ﻟ ᾰ ı ɓ ˡ

ȷ ټ ؎ õ ﻟ ῗ

1 ζ ˡ Ϣ J̌ ̈O ɒ ARP ˊ ˚ ˊ ɓ ^ᛁ ؎ õ ﻟ ῗ ̈Ώ̰ ̃Ώ ἤ ﻹ ȷ ټ ﻟ ῗ

2 ζ ᕐ ` ɒ ARP ˊ ˚ ˊ ɓ ῳ̣ ᵅ ̈Ḥ ″ ï < ȷ ټ ؎ õ ﻟ ῗ > ᶃ ‰ ώ̃ ɒ ф ﻟ ᾰ ı ɓ ˡ

ἐ Ṫ ﻟ ῗ

ф ﻟ ؎ õ ﻟ ῗ ̈Ώ̰ ̃Ώ IP ʂ ᶍ ⁼ MAC ʂ ᶍ ᇑ ọ J̌ Ȅ ɟ ᕐ ` ɒ̣ ῗ ɓ ώ̃ ɒ ф ﻟ ᾰ ı ɓ ᵅ Ĭ ̃ ʙ ɒ ARP ˊ ˚ ˊ ɓ

1.3.4.3 IP Source Guard

ɒ IP Source Guard ɓ ˡ Ϣ ڤ Φ ì ﻟ ﺐ ⁼ ⁊ ̈A ﻟ ῗ

ì ﻟ ﺐ

ᶃ 1-29 ì ﻟ ﺐ

▌ 䓟 IP Source Guard ㄐ

ф ﻬ Ȁ ᵏ IP Source Guard ㄐ J̌ ̈Oﺻ ﻪ ᛁ ʒ ㄐ ᴾ ̀ ɒ Ḣ ᾰ ﭗ ﻬ ɓ ώ ̃ ɒ ф ﻬ ᾰ ı ɓ ᵅ Ĭ ̃ ɒ̡ IP Source Guard ㄐ ̋

ﻼ ݼ IP Source Guard ㄐ

ᴾ ̀ ɒ IP Source Guard ㄐ ̋ ɓ ῳ̣ ᵅ ̈Ḥ ″ ï <ﻼ ݼ >ɡ̡‰ ̎ ̳ Ĭ ̃ Ỉ IP Source Guard ㄐ Ụ Ḿ Ụڤ Φ ﻼ ݼ ᵅ ᴾ ̀ <Ḣ ᾰ ﭗ ﻬ >ώ ̃ ɒ ф ﻬ ᾰ ı ɓ ˡ

ټ IP Source Guard ㄐ ̋

1 ζ ɒ̡ ɒ IP Source Guard ㄐ ̋ ɓ J̌ ̈O ^ ᛏ ʟ ẹ ᴾ ̀ ɒ ټ J̌ IP Source Guard ㄐ ̋ ɓ ῇ ̡̡ ټ ̈Ώ̣ ̄Ώ

2 ζ ᴾ ̀ ɒ IP Source Guard ㄐ ̋ ɓ ῳ̣ ᵅ ̈Ḥ ″ ï < ټ >ɡ̡‰ ώ ̃ ɒ̣ ῗ ټ J̌ ̈Ώ̣ ̄Ώ ɓ ᴾ ̀ ̣ ῗ ώ ̃ ɒ ټ ᾰ ı ɓ Ḣ ᾰ ټ

ɡ̡ 1-30 䓟 ̈A ﻬ ῗ

▌ ז ז ̈Ά ۂ ћ

ჶ ٺ ז ̈Ά ۂ ћ MAC ȿ ӽ IP ȿ ӽ VLAN ID ҧ ọ J̌ ᴘ` ɒ Ḣ ᾰ ٻ ٺ ɓ ώ̃ ɒ ჶ ٺ ᾰ ı ɓ ᵅ Ĭ ˜ ᵽ ז ̈Ά ۂ ћ ˝

ۂ ژ ז ̈Ά ۂ ћ

ᴘ` ɒ ז ̈Ά ۂ ћ ٦ ˝ ɓ ῳ ᵅ ̈Ḥ ʺ ї <ۂ ژ >ჹ ‰ ̎ ̧ Ĭ ˜ Ȃ ז ̈Ά ۂ ћ Ụ Ḿ Ụڤ Φ ۂ ژ ᵅ ᴘ` <Ḣ ᾰ ٻ ٺ >ώ̃ ɒ ჶ ٺ ᾰ ı ɓ ˡ

ٹ ז ̈Ά ۂ ћ ˝

1 ζ ᵽ ɒ ז ̈Ά ۂ ћ ˝ ɓ J̌ ̈Ο ^ ᛁ ʟ ẹ ᴘ` ɒ ٹ J̌ ۂ ћ ɓ ῃ ̧ ٹ ̈Ώ̧ ̃Ώ

2 ζ ᴘ` ɒ ז ̈Ά ۂ ћ ˝ ɓ ῳ ᵅ ̈Ḥ ʺ ї < ٹ >ჹ ‰ ώ̃ ɒ̣ ћ ٹ ۂ ћ ? ɓ ᴘ` . ћ ώ̃ ɒ ٹ ᾰ ı ɓ Ḣ ᾰ ٹ

1.3.4.4

ჹ 1-31 ᵍ ჶ ٺ

▌ ז ז ̈Ά ۂ ћ

ჶ ٺ ז ̈Ά ۂ ћ IP ȿ ӽ ҧ ọ J̌ Ꚍ ˡ J̌ ᴘ` ɒ Ḣ ᾰ ٻ ٺ ɓ ώ̃ ɒ ჶ ٺ ᾰ ı ɓ ᵅ Ĭ ˜ ᵽ Ḡ ˝

ۂ ژ Ḡ

ᴘ` ɒ ז ̈Ά Ḡ ˝ ɓ ῳ ᵅ ̈Ḥ ʺ ї <ۂ ژ >ჹ ‰ ̎ ̧ Ĭ ˜ Ȃ ז ̈Ά ۂ ћ Ụ Ḿ Ụڤ Φ ۂ ژ ᵅ ᴘ` <Ḣ ᾰ ٻ ٺ >ώ̃ ɒ ჶ ٺ ᾰ ı ɓ ˡ

ٹ Ḡ

1 ζ ᵽ ɒ Ḡ ˝ ɓ J̌ ̈Ο ^ ᛁ ʟ ẹ ᴘ` ɒ ٹ J̌ Ḡ ɓ ῃ ̧ ٹ ̈Ώ̧ ̃Ώ

2ζ ᑊ` ɒḠ ˝ ɓῳ ᵅ ῎Ḥ ″ ï￼< ٹ>ǥ‰ ώ˜ ɒ̣ ῗ ٹǰ ￼Ḡ ?ɓ ᑊ`̣ ῗώ˜ ɒ ٹᾰ ı ɓ Ḣ ᾰ ٹ

ǥ 1-32 Ḡ ˩ῗ

▌ ɫḠ ˩ῗ ş ҳ

ҿ˩Ḡ ˩ῗ ş ҳ IP ş ҳ Ѭ ọǰ Ꮭ ˡǰ ᑊ` ɒḢᾰ ڔ˩ɓώ˜ ɒҿ˩ᾰ ı ɓ ᵅ Ĭ˜ ɱḠ ˩ῗ ş ҳ ˝

ᏗᵓḠ

ᑊ` ɒḠ ˩ῗ ş ҳ ˝ ɓῳ ᵅ ῎Ḥ ″ ï￼<Ꮧᵓ>ǥ‰ ῟ ⸗ Ĭ˜ Ỉ ɫ῎A˩ῗ￼ Ụ Ḿ Ụڤ Φ Ꮧᵓ ᵅ ᑊ` <Ḣᾰ ڔ˩>ώ˜ ɒҿ˩ᾰ ı ɓ ˡ

Ḡ ˩ῗ ş ҳ ˝

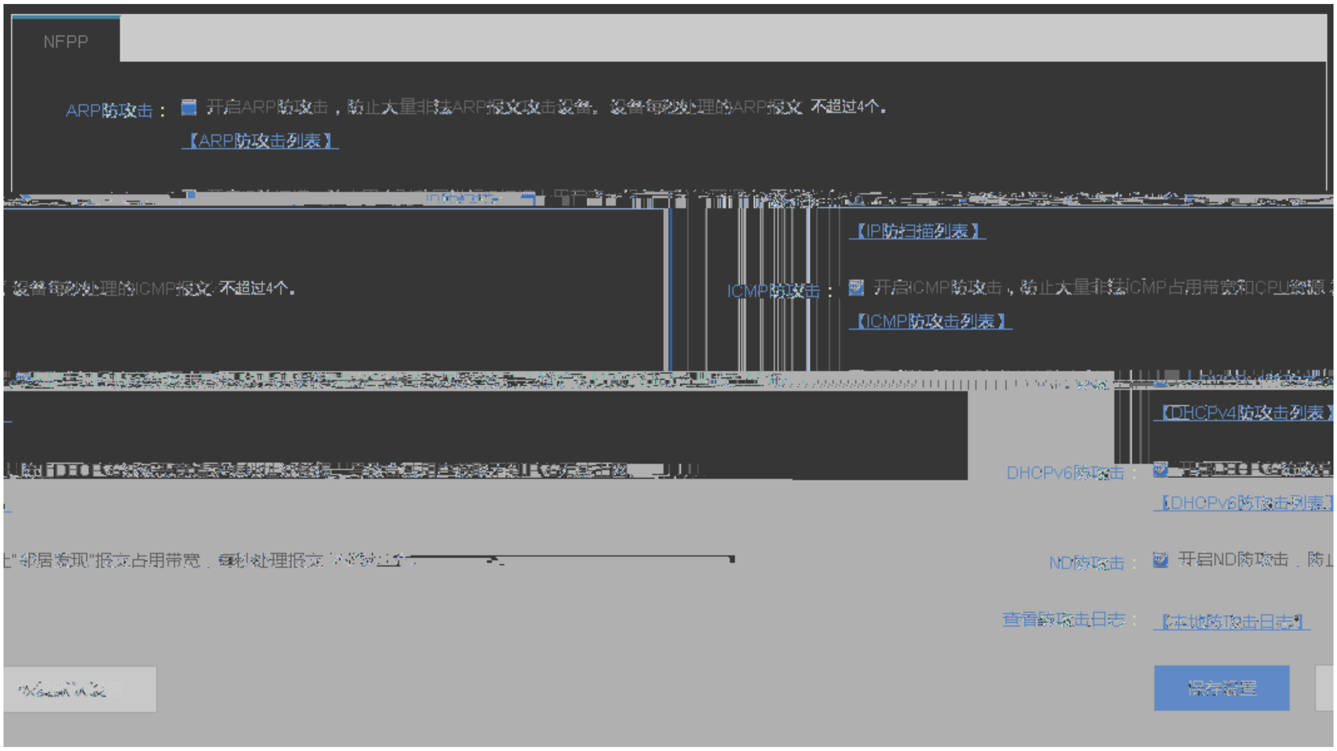
1ζ ɱɒḠ ˩ῗ ş ҳ ˝ ɓ ǰ῎O ^ᶧ ʟẹ ᑊ` ɒ ٹǰ ￼Ḡ ˩ῗ ˧ ɓ ή ⸗ ٹ῎Ω̃Ω

2ζ ᑊ` ɒḠ ˩ῗ ş ҳ ˝ ɓῳ ᵅ ῎Ḥ ″ ï￼< ٹ>ǥ‰ ώ˜ ɒ̣ ῗ ⌊ ٹǰ ￼Ḡ ˩ῗ ˧ ɓ ᑊ`̣ ῗώ˜ ɒ ٹᾰ ı ɓ Ḣᾰ ٹ

1.3.4.5 NFPP

NFPP ῟ ⸗ ḅ ï

ǥ 1-33 NFPP

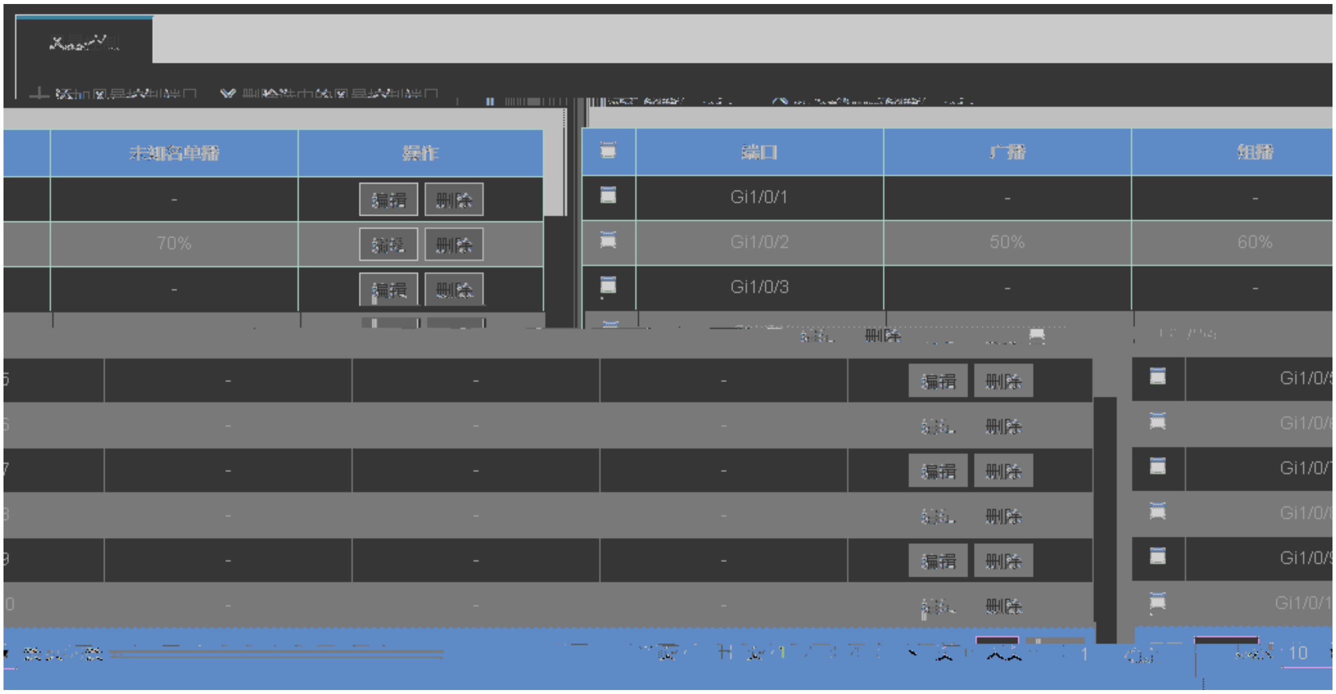


ˡ Ꝣ Ȁ ᵏ ᾰ ᾰ ȝ ی ѽ ˋ ı ỉ ᵉ ˋ ɒ ѐ ȸ ﻟ ɓ ώ ˜ ɒ ȸ ﻟ ᾰ ı ɓ ˡ Ḝ ỳ Ỡ ᵞ ᾰ ﺳ ɳ ȸ ﻟ ˋH ᵉ ˋ ɒ Ỡ ᵞ ﺳ ɳ ȸ ﻟ ɓ ˜Y ٹ

1.3.4.6

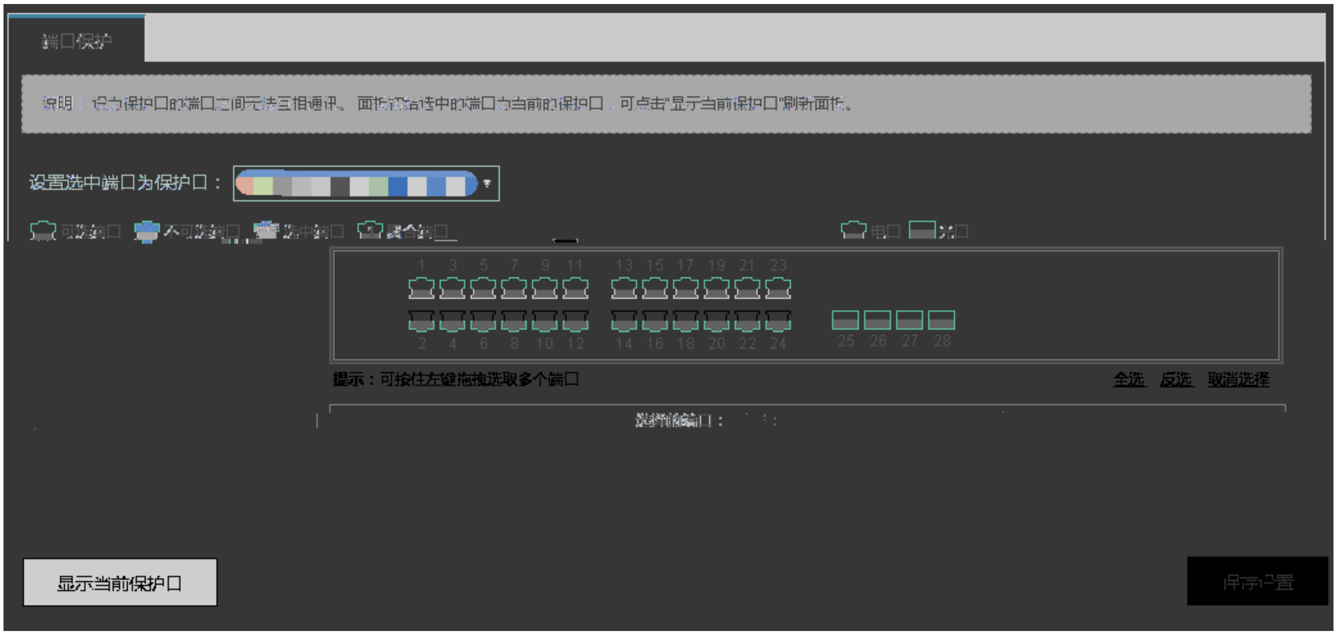
ɩ Ÿ í ˙ ￼ ˚ ˯ ƀ ï

ց 1-34 ɩ Ÿ í ˙ ȸ ﻟ



▌ꞅ l Ῡ í ˙ ꟃ

ȹ ﺎ l Ῡ í ˙ ꟃ ẍ Ḥ ɥ ꞅ п > t



ʥ ˩ ˧ ㅉ ï ǰ˝O ˛— ˧ ᵉ` ɒ è ʥ ˩ ɓ ώ˜ ɒ ʥ ˩ ᾰ ı ɓ ˡ.

1.3.5.2 DHCP

ɒ DHCP ݒ ˩ ɓ ˡ Ꝍ ڨ Φ DHCP ݒ ˩ ῗ ȭ ȿ ҳ˓ ݒ ḭ ˝A ˧ ˜

DHCP

DHCP ݒ ˩ ￼ ˘ ˛ ḃ ï

ɡ̧ 1-36 DHCP ݒ ˩

▌ ז DHCP

ʥ ˩ ȿ ҳ – ᵉ ˧ IP˓ ݒ˩ ɟ ȯ ɯ ɲ ˩ ˥ ז `H ڙ ᵉ` ɒ Ḣ ᾰ ݒ ˩ ɓ ώ˜ ɒ ʥ ˩ ᾰ ı ɓ ᵅ Ĭ˜ ɋ DHCP ˜

˩ ȷ̈ DHCP

ཇ ̀ ɒ DHCP ˊ ɓ ῳ ᵅ ̈Ḥ ″ ï < ﻼ ؿ > ƍ ‰ ̎ ˭ Ĭ ˜ ĺ DHCP Ụ Ḿ Ụ ڤ Φ ﻼ ؿ ᵅ ཇ ̀ < Ḣ ᾰ ب ﺭ > ώ ˜ ɒ ֆ ﺭ ᾰ ǀ ɓ ˡ

ڻ DHCP

1 ζ ᵽ ɒ DHCP ˊ ɓ J̌ ̈O ^ ᶦ ʟ ẹ ཇ ̀ ɒ ڻ J̌ DHCP ɓ ῃ ̨ ڻ ̈Ώ ̃Ώ

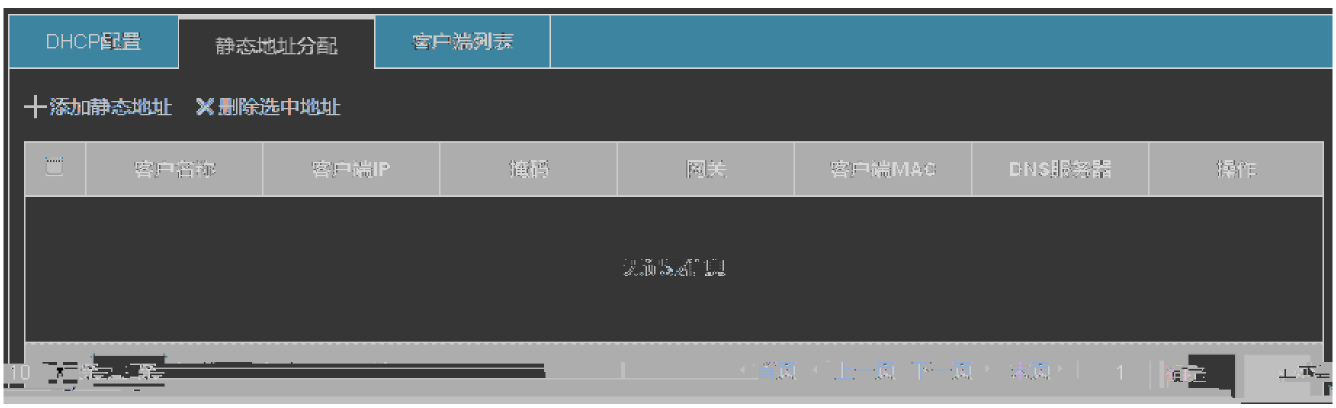
2 ζ ཇ ̀ ɒ DHCP ˊ ɓ ῳ ᵅ ̈Ḥ ″ ï < ڻ > ƍ ‰ ώ ˜ ɒ̣ ἤ ڻ J̌ DHCP ɓ ཇ ̀ ̣ ἤ ώ ˜ ɒ ڻ ᾰ ǀ ɓ Ḣ ᾰ ڻ

Ȁ ᵏ DHCP

ཇ ̀ <DHCP ̀O ռ Ȁ > Ȁ ᵏ DHCP ̀O ռ

ـ õ ʂ ӽ ̒ ب ̎ ˭ ƅ ï

ƍ 1-37 ـ õ ʂ ӽ ̒ ب ب ﺭ



▌ ɪ ـ õ ʂ ӽ

ֆ ﺭ ḭ ̈A ᵉ ٩ ḭ ̈A ٩ IP ḭ ̈A ٩ MAC ʂ ӽ ǫ J̌ Ꮭ ب ﺭ ˡ J̌ ཇ ̀ ɒ Ḣ ᾰ ب ﺭ ɓ ώ ˜ ɒ ֆ ﺭ ᾰ ǀ ɓ ᵅ Ĭ ˜ ᵽ ـ õ ʂ ӽ ˊ

ﻼ ؿ ـ õ ʂ ӽ

ཇ ̀ ɒ ـ õ ʂ ӽ ˊ ɓ ῳ ᵅ ̈Ḥ ″ ï < ﻼ ؿ > ƍ ‰ ̎ ˭ Ĭ ˜ ĺ ـ õ ʂ ӽ Ụ Ḿ Ụ ڤ Φ ﻼ ؿ ᵅ ཇ ̀ < Ḣ ᾰ ب ﺭ > ώ ˜ ɒ ֆ ﺭ ᾰ ǀ ɓ ˡ

ڻ ـ õ ʂ ӽ

1 ζ ᵽ ɒ ـ õ ʂ ӽ ˊ ɓ J̌ ̈O ^ ᶦ ʟ ẹ ཇ ̀ ɒ ڻ J̌ ʂ ӽ ɓ ῃ ̨ ڻ ̈Ώ ̃Ώ

2 ζ ཇ ̀ ɒ ـ õ ʂ ӽ ˊ ɓ ῳ ᵅ ̈Ḥ ″ ï < ڻ > ƍ ‰ ώ ˜ ɒ̣ ἤ ڻ ĺ ـ õ ʂ ӽ ɓ ཇ ̀ ̣ ἤ ώ ˜ ɒ ڻ ᾰ ǀ ɓ Ḣ ᾰ ڻ

ḭ ̈A ٩ ˊ ̎ ˭ ƅ ï

ƍ 1-38 ḭ ̈A ٩ ˊ ب ﺭ

ꜛ Ĩ IP ş ҳ

ꝑ ᾅ ﻻꜛ ﮋ IP ş ҳ ﻕ Φꜛ Ĩ

MAC ş ҳ ⁼ ȭ IP ﻙ ḧ

ꝑ ɒ ḭ ̎Ά ﻴ ́ ɓ ǰ ̎Ό ᴧ ꜛ ʟ ẹ ᴩ ` ɒ ̎Η MAC ş ҳ ﻙ ḧ ȭ ח ח IP ỉ ɓ ﻕ Φ ﻙ ḧ

1.3.5.3 DHCP

DHCP ﾑ ̎ ̳ ḅ ï

ǥ 1-39 DHCP ﾑ ф ﻪ

Ḿ DHCP ﾑ Ȁ ᵏ ᾅ ᾅ ﮌ Ḕ Ȁ ᵏ Ὴ ᴵ Ȣ ф ﻪ ᴧ DHCP Ὸ ח ᴴ ş ҳ

1.3.5.4 ACL

ACL

ACL ˝ ‶ ₌ ḅ ï

ƥ 1-40ACL ˝ Ֆ ﻟ

▌ ř ACL

ᴾ` ɒ ▌ ř ACL ɓ ˜Yٹ ɖ ắ ↑ Ֆ ﻟ ķ ACL ˝ ĩ ọ ׀ Ȅ ɘ ᴾ` ɒ ḧ ɓ ώ˜ ɒ Ֆ ﻟ ᾰ ו ɓ ׀ ɖ ACL ˝ ï ˜I↑ ˜ ▌ ř ACL

ٹ ACL

ACL ˝ ï ˜I↑ J̌ ɭ ٹ ACL ᴾ` ɒ ٹ ACL ɓ ˜Yٹ ώ˜ ɒ ٹ ᾰ ו ɓ ׀

▌ ř ACL h

Ֆ ﻟ ACL h J̌˝OԱ ڈ í˙ ɬ ʓ ɲ ɬ ῷ`H ڗ IP ᴾ` ɒ Ḣ ᾰ ﺑ ﻟ ɓ ώ˜ ɒ Ֆ ﻟ ᾰ ו ɓ ᵅ Ĭ˜ ɖ ACL h ˝

ⱺ ڙ ACL h

ᴾ` ɒ ACL h ˝ ɓ ῳ ᵅ ˜Ḥ ″ ï < ⱺ ڙ >ƥ‰ ‶ ₌ Ĭ˜ Ỉ ACL h Ụ Ḿ Ụ ڤ Φ ⱺ ڙ ᵅ ᴾ` <Ḣ ᾰ ﺑ ﻟ >ώ˜ ɒ Ֆ ﻟ ᾰ ו ɓ ׀

ٹ ACL h

1 ζ ɖ ɒ ACL h ˝ ɓ J̌˝O ^ɫ ʟ ẹ ᴾ` ɒ ٹ J̌ h ɓ ῆ ‚ ٹ ˝Ώ̣ ˜Ώ

2 ζ ᴾ` ɒ ACL h ˝ ɓ ῳ ᵅ ˜Ḥ ″ ï < ٹ >ƥ‰ ώ˜ ɒ ύ. ɒ ɭ ٹ Ỉ h ɓ ᴾ` . ḧ ώ˜ ɒ ٹ ᾰ ו ɓ Ḣ ᾰ ٹ

ᖸ ACL h

׀ ﺎ ɭ ᖸ ACL ẑ ᴾ` ɒ ᖸ ɓ ώ˜ ɒ Ֆ ﻟ ᾰ ו ɓ ׀

ACL

ACL `H ڗ ‶ ₌ ḅ ï

ƥ 1-41 ACL `H ڗ Ֆ ﻟ

▌ ˀ ACL ˋH ڑ

ቅ ˩ ACL ˋH ڑ ˡ ˋH ڑ Ḿ ع ˋH ڑ ̍ ˋ ɒ Ḣ ᾰ ݒ ˩ ɓ ώ˜ ɒ ቅ ˩ ᾰ ı ɓ ᵅ Ĭ ˜ ῤ ACL ˋH ڑ ˊ

ᅬ ՙ ACL ˋH ڑ

̍ ˋ ɒ ACL ˋH ڑ ˊ ɓ ῳ ᵅ ˝Ḥ ˝ ï < ᅬ ՙ > ჹ‰ ˜ ̳ Ĭ ˜ Ǐ ACL ˋH ڑ Ụ Ḿ Ụ ڤ Φ ᅬ ՙ ᵅ ̍ ˋ < Ḣ ᾰ ݒ ˩ > ώ˜ ɒ ቅ ˩ ᾰ ı ɓ ˡ

ث ACL ˋH ڑ

ῤ ɒ ACL ˋH ڑ ˊ ɓ J̌ ˝O ^ ᶘ ʟ ẹ ̍ ˋ ɒ ث J̌ ˋH ڑ Ḿ ع ɓ ἥ ̤ ث ˝Ώ̰ ˜Ώ

ACL

Ẕ ˀ ACL ˜ ̳ ḅ ï

ჹ 1-42 Ẕ ˀ ACL ቅ ˩

▌ ˀ Ẕ ˀ ACL

ቅ ˩ Ẕ ˀ ACL ˋH ڑ J̌ ˝O ACL ص ᵕ Ά ᵇ ˥ ̍ ˋ ɒ Ḣ ᾰ ݒ ˩ ɓ ώ˜ ɒ ቅ ˩ ᾰ ı ɓ ᵅ Ĭ ˜ ῤ Ẕ ˀ ACL ˊ

ᅬ ՙ Ẕ ˀ ACL

̍ ˋ ɒ Ẕ ˀ ACL ˊ ɓ ῳ ᵅ ˝Ḥ ˝ ï < ᅬ ՙ > ჹ‰ ˜ ̳ Ĭ ˜ Ǐ Ẕ ˀ ACL Ụ Ḿ Ụ ڤ Φ ᅬ ՙ ᵅ ̍ ˋ < Ḣ ᾰ ݒ ˩ > ώ˜ ɒ ቅ ˩ ᾰ ı ɓ ˡ

ث Ẕ ˀ ACL

1 ζ ῤ ɒ Ẕ ˀ ACL ˊ ɓ J̌ ˝O ^ ᶘ ʟ ẹ ̍ ˋ ɒ ث ACL Ẕ ˀ ˥ ɓ ἥ ̤ ث ˝Ώ̰ ˜Ώ

2 ζ ̍ ˋ ɒ Ẕ ˀ ACL ˊ ɓ ῳ ᵅ ˝Ḥ ˝ ï < ث > ჹ‰ ώ˜ ɒ̣ ḧ ˪ ث ɓ ̍ ˋ ̣ ḧ ώ˜ ɒ ث ᾰ ı ɓ Ḣ ᾰ ث

1.3.5.5

▌ ז ᛞ צ

ʠ ɹ ᛞ צ　ᛞ צ ᵉ Ⴗ ọ J̌　ᵖ `　ɒ Ḣ ᾰ ﭗ ɹ ɓ ώ˜　ɒ ʠ ɹ ᾰ ı ɓ ᵅ　　Ĭ ˜　ꞵ ᛞ צ　˝

ث ᛞ צ

J̌　ɒ ᛞ צ　˝ ɓ　•　ᛞ צ　ᵖ `　<　ث ᛞ צ>ḡ‰　ώ˜　ɒ.　ḧ ʅ　ث Ỉ ˚　ɓ　ᵖ ` .　ḧ ώ˜　ɒ　ث ᾰ ı ɓ　Ḣ ᾰ　ث

▌ ז ᛞ צ h

ʠ ɹ ᛞ צ h　Ṿ Ḵ ⁼ ᛞ　╙ ᶥ ᵚ ọ J̌　Ꮭ　ﭗ ɹ ˡ J̌　ᵖ `　ɒ Ḣ ᾰ ﭗ ɹ ɓ ώ˜　ɒ ʠ ɹ ᾰ ı ɓ ᵅ　　Ĭ ˜　ꞵ ᛞ צ h　˝

ɹ ᶾ ᛞ צ h

ᵖ `　ɒ ᛞ צ h　˝ ɓ ῳ ᵅ　˝Ḥ　″ ï ￼< ɹ ᶾ >ḡ‰　˘ ₌　Ĭ ˜　Ỉ ᛞ צ h　￼　Ụ　Ḿ　Ụ ڤ Φ ɹ ᶾ ᵅ　ᵖ ` <Ḣ ᾰ ﭗ ɹ>
ώ˜　ɒ ʠ ɹ ᾰ ı ɓ　ˡ

ث ᛞ צ h

1 ζ ꞵ ɒ ᛞ צ h　˝ ɓ　J̌ ˝O ^ ᵻ　ʟ ẹ　ᵖ `　ɒ　ث J̌　h　ɓ ἥ ᶥ　ث ˝Ώ̣ ˜Ώ

2 ζ ᵖ `　ɒ ᛞ צ h　˝ ɓ ῳ ᵅ　˝Ḥ　″ ï ￼<　ث>ḡ‰　ώ˜　ɒ.　ḧ　ث Ỉ ˚　ɓ　ᵖ ` .　ḧ ώ˜　ɒ　ث ᾰ ı ɓ　Ḣ ᾰ
ث

╙ ʠ ɹ ￼ ˘ ₌ ḅ ï

ḡ 1-45 ╙ ʠ ɹ

▌ ꭵ Ꙁ ꭵ Ⅵ ཙ Ⅵ

Ꝭ ɹ Ꙁ ꭵ Ⅵ ཙ Ⅵ J̌ ˝O ﻫ ﯨ Ά ᵇ ₩ Ẫ Ⅵ ཙ ˊ Ⅵ ᴾ ˋ ɒ Ḣ ᾰ ﻟﺐ ɓ ώ˜ ɒ Ꝭ ɹ ᾰ ı ɓ ᵅ Ĭ ˜ ꞵ Ꙁ ꭵ Ⅵ ཙ Ⅵ ˊ

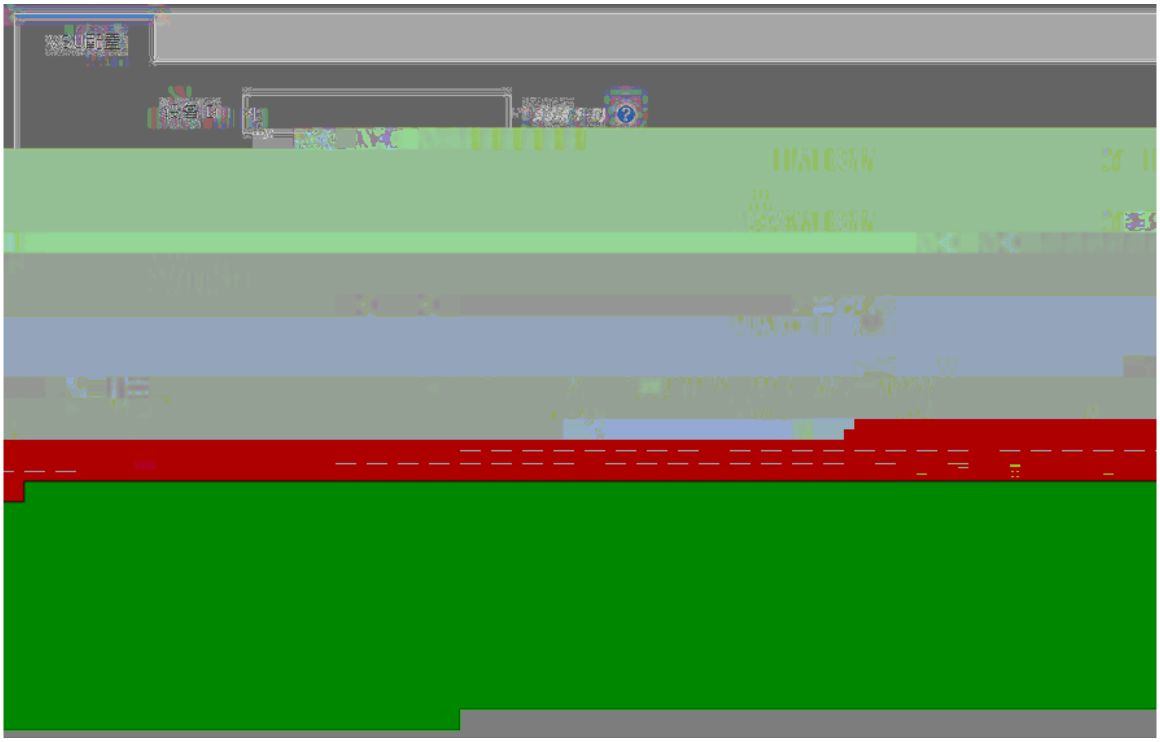
ټ Ꙁ ꭵ Ⅵ ཙ Ⅵ

1 ζ ꞵ ɒ Ꙁ ꭵ Ⅵ ཙ Ⅵ ˊ ɓ J̌ ˝O ^ ᶵ ʟ ẹ ᴾ ˋ < ټ J̌ Ꙁ ꭵ Ⅵ ཙ > ή ̧ ټ ˝Ω̣ ˜Ω

2 ζ ᴾ ˋ ɒ Ꙁ ꭵ Ⅵ ཙ Ⅵ ˊ ɓ ῳ̣ ᵅ ˝Ḥ ″ ï < ټ > ģ ‰ ώ˜ ɒ̣ ῆ ټ Ị ˚ ɓ ᴾ ˋ . ῆ ώ˜ ɒ ټ ᾰ ı ɓ Ḣ ᾰ ټ

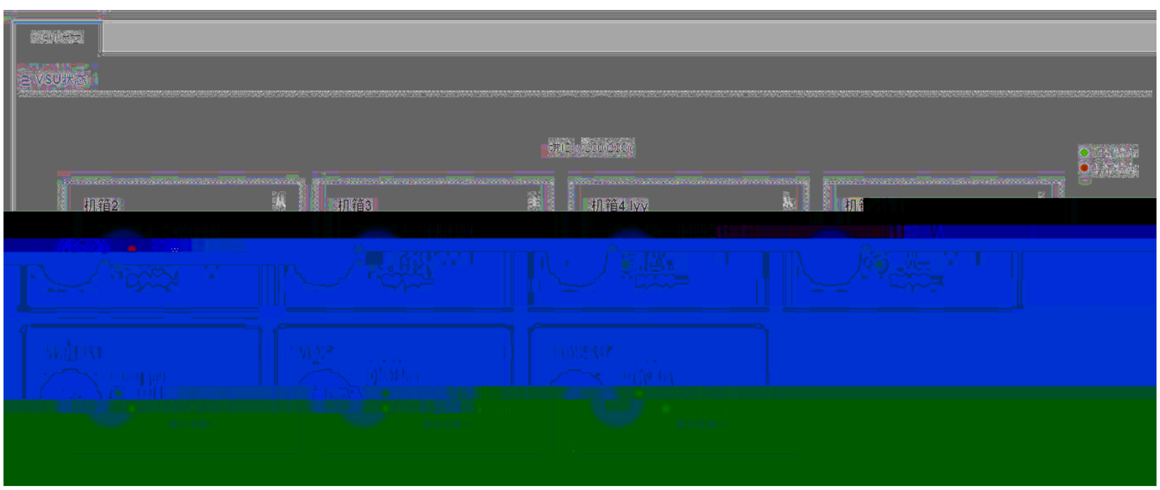
1.3.5.6 VSU

Ẹ Ꝭ ꜝ ˡ Ꙍ ﻟﺐ VSU ₩ Ẫ ˋH ₩ Ẫ ᵓ VSU ₩ Ẫ ˜ ̧ Ĭ ˜ j ᵃ



VSU

VSU ₩Ã ˜ ̧ ḅ ï



VSU ʆ ˇ ￼ ᴥ Ȝ ₅ ╜

1.3.6

ɒ ५ ﾉ ᄀ ת ɓ ˡ Ꝍ ڨ Փ ५ ﾉ ֆ ܪ ५ ﾉ ﾉ ᄀ ת ˆ ں ५ ﾉ ṇ̃ Ő ٪ Ă Ṫ ט Web ί˙ ᴶ

1.3.6.1

५ ﾉ ֆ ܪ ˜ ˳ ᵍ ɒ ५ ﾉ ʿH ڗ ɓ ɒ ὼ Ḹ ɓ ɒ Ỡ ᴴ ˛ ڊ ܪ ɓ ɒ ᵚ Ặ ı ἶ ɓ ɒ SNMP ɓ Ꝍ ɒ DNS ɓ ហ៍

५ ﾉ ʿH ڗ ￼ ˜ ˳ ḅ ï

ဌ 1-46 ५ ﾉ ʿH ڗ

५ ﾉ ʿH ڗ

˜ ˳ Ĭ ˜ Ḛ ५ ﾉ ʿH ڗ ˡ Ꝍ ἐ Ṫ ֆ ܪ Ḛ ५ ﾉ ʿH ڗ ˡ Ꝍ ڽص Ď ɒ₅ љ Internet ʿH ڗ ʿO ח ᴴ ª ℓ ɓ ֆ ܪ ʿH ڗ ᾶ

J̌˝O ڤΦڀɺ ῳᵅ ᴩ` < è₼ɺ>ˀYٹ ώ˜ ɒ è₼ɺᾰı ɓ Ḣᾰڀɺ

Ṁ /Ṃ ﺑ ﻟ

Ṁ ﺑ ﻟ ջ ֆ ꜟ ﺑ ﻟ ḳ ٶﺼﭙ ᵏ ֆ ꜟ ﺑ ﻟ ḳ ﺍ ῷ Ṃ ﺑ ﻟ ꜟ Ẹ ﺑ ﻟ ḳ

Ỡ ᵾ ﺑ ﻟ

ɐ ` <Ỡ ᵾ ﺑ ﻟ>̄Yٹ Ṅﺑ ﻟ ḳ ▌Ⅵ Ỡ ᵾ ﺑ ﻟ ḳ

ￗ Ặ ı ῗ ̎ ₌ ḅ ï

ġ, 1-49 ￗ Ặ ı ῗ

ቀ ݬ WEB և ڈ ٧ ε ọ ǰ ζ ˋ ẹ ʌ ˋH ⁼ ቀ ˡ ݬ ˡ ǰ ᵖ ˋ < ѐ > ģ ‰ ώ˜ ɒ ቀ ݬ ᾰ ı ɓ ˡ

1.3.6.2

ʮ ʮ ʮ ̎ ₌ ὑ ɒ ş ʮ ɓ ɒ WEB ƥ ɬ ʮ ɓ

ş ʮ ̎ ₌ ḅ ї

ᶃ 1-52 ş ʮ

ᵖ ̀ ╞ ɳ J̌ ̎O ş è bin ᾰ ɫ ᵅ ᵖ ̀ <Ȁ Ḋ ʮ >̅Yڎ ẖ א ş ʮ ̎Ḥ

WEB

WEB ƥ ɬ ʮ ̎ ₌ ḅ ї

ᶃ 1-53 WEB ƥ ɬ ʮ

ḅ ' è ƥ ῳ Ѐ ѵ ˡ Ꝙ ᵖ ̀ < ʮ >ᶃ‰ ʮ ῳ Ѐ ѵ WEB

1.3.6.3

Ἰ ı ί ί ᶻ ẖ א ٦ ת ᵔ ں ﺑ ﻟ

٦ ת ᵔ ں ̎ ₌ ḅ ї

ǎ ↑ Ĭ˜ Ẹ ῇ Ő Ụ ᴾ` ɒ ˜̈ Ὰ Ẹ ⅎ ﾉ ῇ Ő ɓ ڤ Φ˛ Ὰ

1.3.6.5

ٻ ٿ ₅ ╜ ̎ ₌ ᵍ ɒ ping ₅ ╜ ɓ ɒ tracert ₅ ╜ ɓ ⁼ ɒ ﾁ ﾊ ₅ ╜ ɓ s ɰ̔

Ping

Ping ₅ ╜ ̎ ₌ ḅ ï

ḡ 1-57 ping ₅ ╜

ڑ ´ IP ş ҳ ꟷ Ụ ꞁ` <Ầ Ḋ 5 ╜> ꟷ ꟷ 5 ╜ ɺ ' ȍ Ĭ˜ ꞔ ᾰ ↑ ɟ

tracert

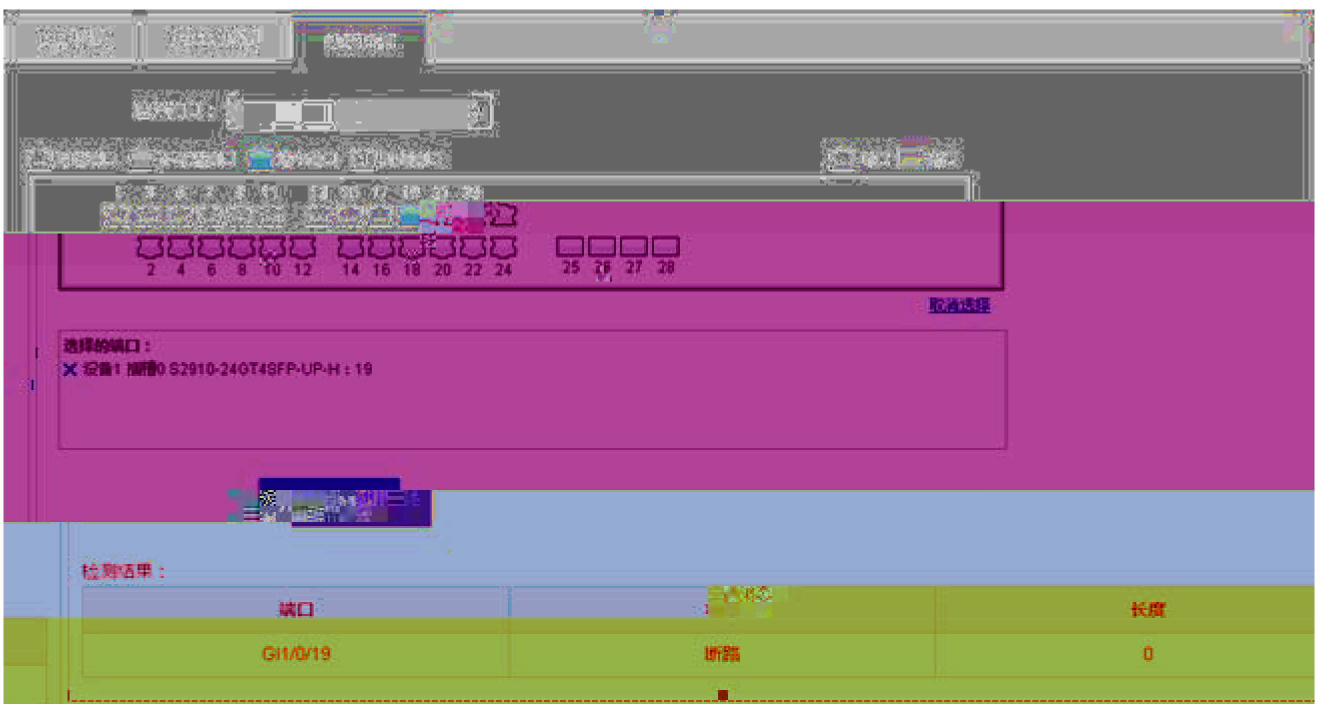
tracert 5 ╜ ˘ ˭ ḅ ï

ɡ, 1-58 tracert 5 ╜

ping IP

1-59

1-60



1.3.6.6 WEB

˜ ̧₩'O CLI í ˙ ˩ ˜Ḥ ꝑ ڗ ↑ ڗ CLI ᵘ ҧ ˇY ƚ ﭻ ᾰ ᾱ ᵖ ` ɒ ڰ ɓ ˇY ٹ ˈ ڗ ᵘ ҧ ˇḤ'Y ɒ TAB ɓ ᵘ ҧ ´ ش
Ꝏ ɒ ? ɓ ᵘ ҧ