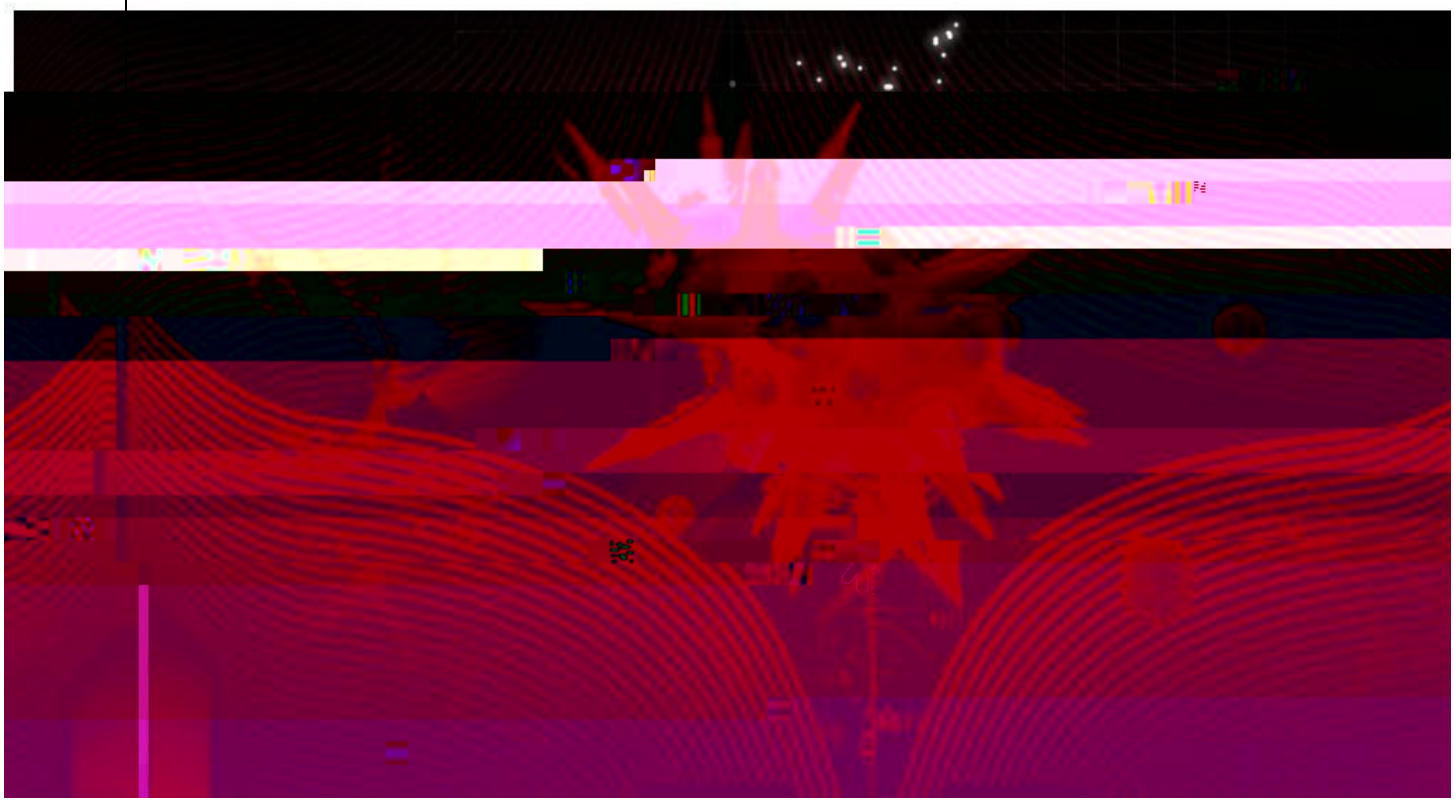

. Ⱡ ʼP ΐ 13.....4

Ⱨ. غ 5

2.1 0x01. ๆ № 5

2.2 0x02. Shellcode № 9

2.3 0x03. PE dump № 10

. ᵽ.....12

Ϙ APT ˚˚ ج ˜ ٢ 12

ضم. ˛ Ϙ APT ˚˚ ج 13

4.1 Ϙ APT˚˚ ج = ...13

4.2 ˜ ɢ VenusEye ضخ ضخ ŋ ˜

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يح 2.2 ɾ ɒ ǚ 6
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يح 2.14 C&C عج ˪ פ 11
يح 3.1 ₱ يح 12
يح 3.2 ˜ يح 12

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VenusEye ᵿ ᶠᵽ ᵢ̈ ᴜ̈ “ ” ᴅ̸

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ᵣ ᵝ □ ᶜ TabStrip ᴅ ᴜ̈ ᵛ shellcode
╠ ᶜ ToggleButton ᴅ ᴜ̈ □

₱ □ ᴝ EnumCalendarInfo ₱ ₱
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ᶾ □

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MD5 0d1dbb318ca 8a96e3e9abb307f3616cd

2.1 0x01.

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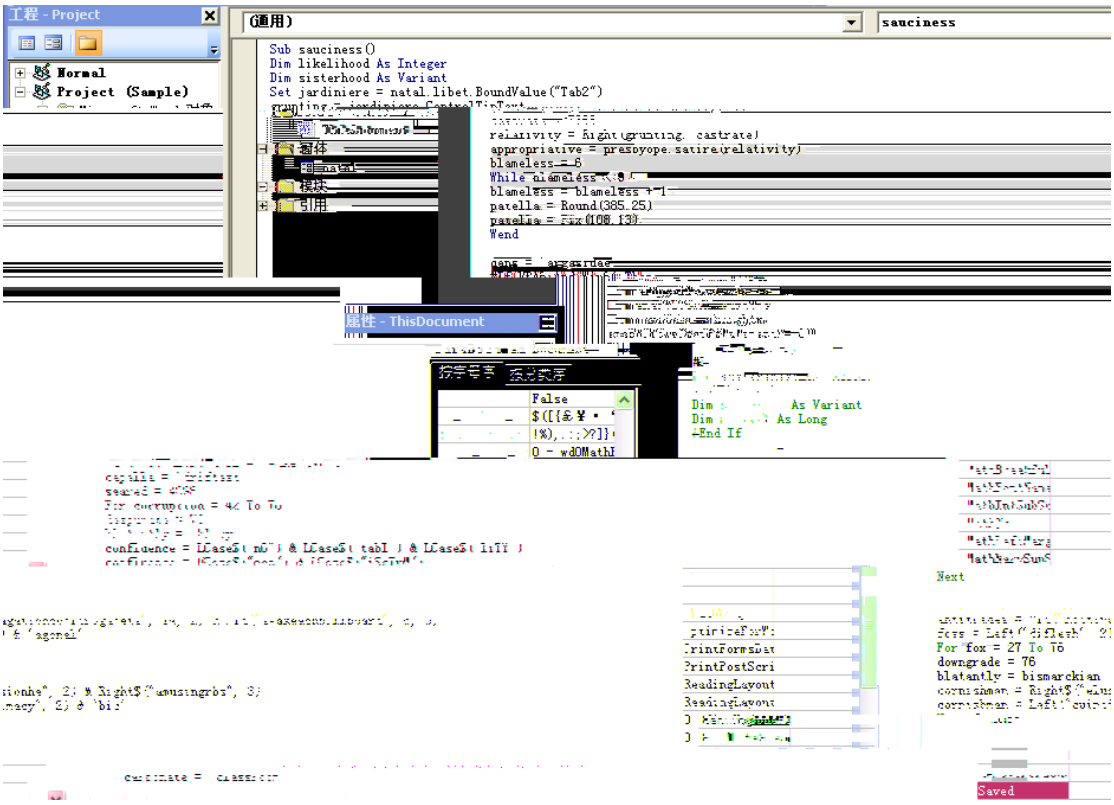
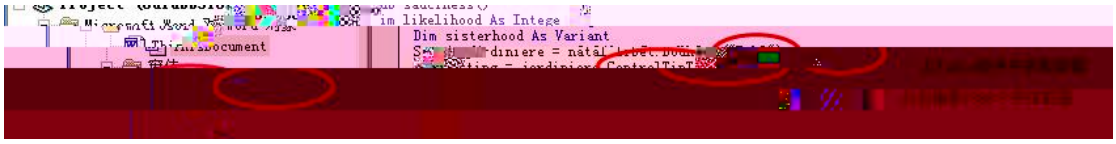


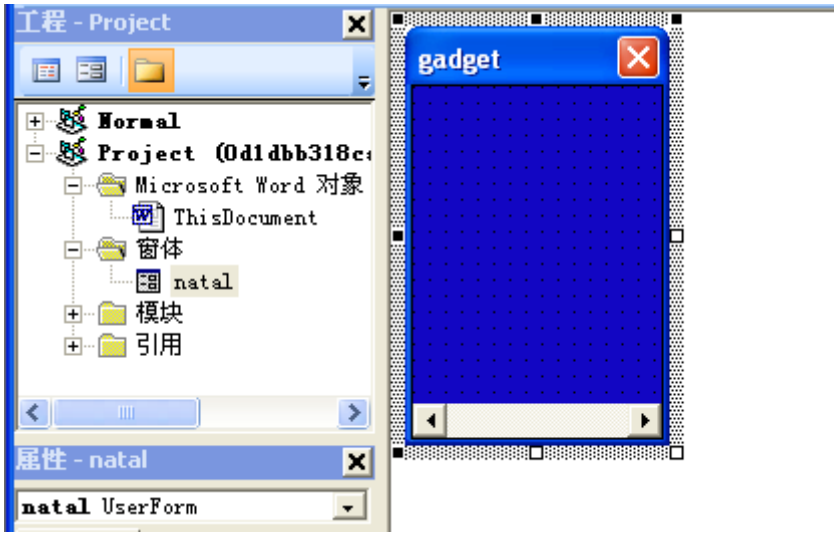
ㄡ 2.1 ˜ ๆ

2 ๆ ᾠ ψ ɾ O “ natal ” ɾ TabStrip ᴅ ControlTipText ᴜ̆ ɾ ˚ ᴜ ᴜ̆ 7368 20161031_ “ ” ᴅ ᴘ ᴢ ´ ʜ ╟ Ḥ ▯ ɾ ToggleButton ᴅ



ﾒ 2.2 ﾋ ﾄ ﾜﾞ

3 natal ｒ Δ ｒ TabStrip ﾄ.



ﾒ 2.3 Δ TabStrip ﾄ

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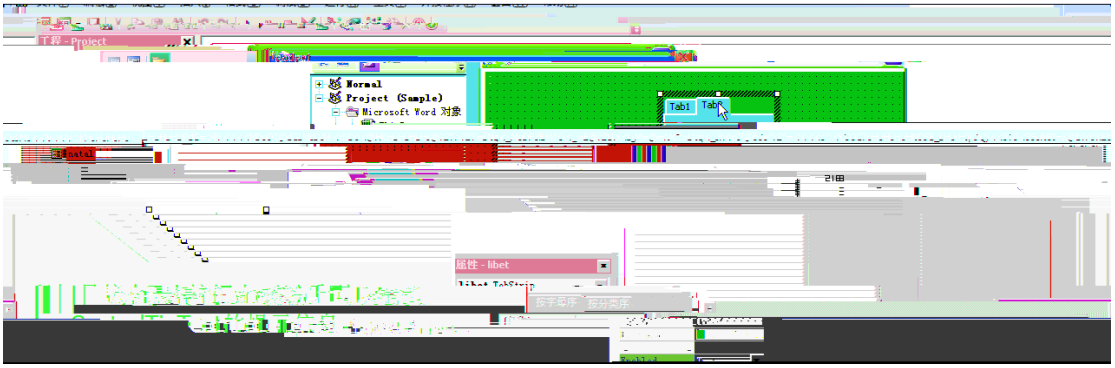
ControlTipText ControlTipText ﾍﾞ ﾔ Å ضي ﾄ
ｷ ↑ Ḥ ﾍﾞ ﾔ ﾄ Ḡ



ﾒ 2.4 TabStrip ﾄ ControlTipText

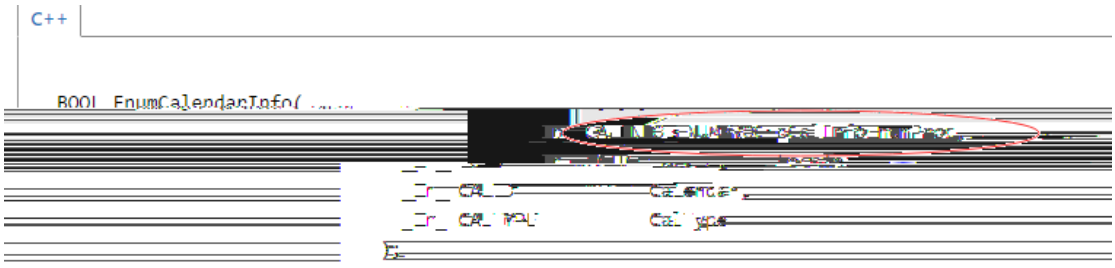
5 ControlTipText U Ḥ U ﾘ
ﾄ ﾠ ﾍﾞ shellcode ﾗ Shellcode Ḥ ╠ G □

یہ 2.5 shellcode

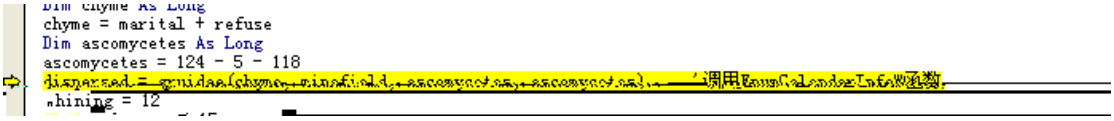
6 RtlMoveMemory غ VirtualAllocEx



ﾐ 2.8 EnumCalendarInfoW ₱

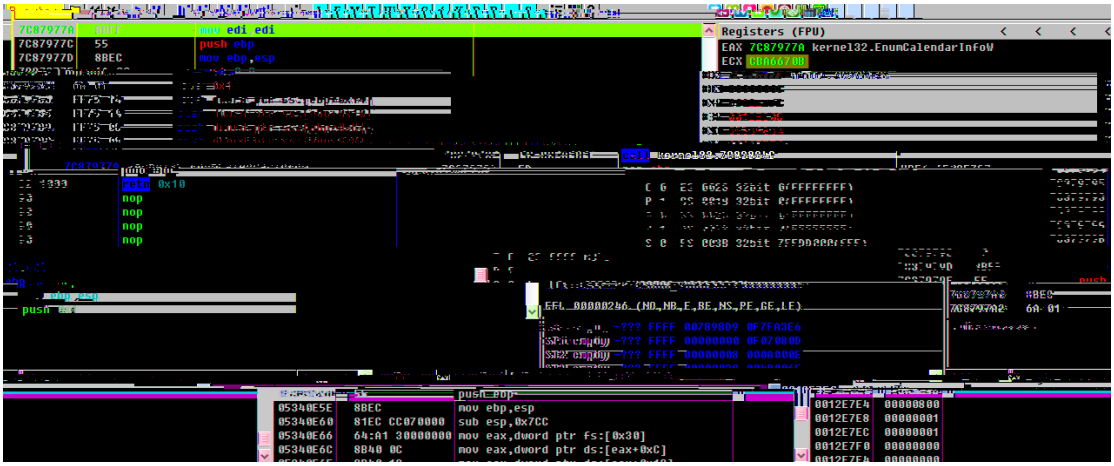


ﾐ 2.9 EnumCalendarInfo ₱



ﾐ 2.10 EnumCalendarInfoW ₱ shellcode ƀ ﾐ ₱ D ˜

9 ą ﾐ ﾐ ﾋ ﾃ EnumCalendarInfoW ₱ ˜ ﾐ shellcode ﾗ

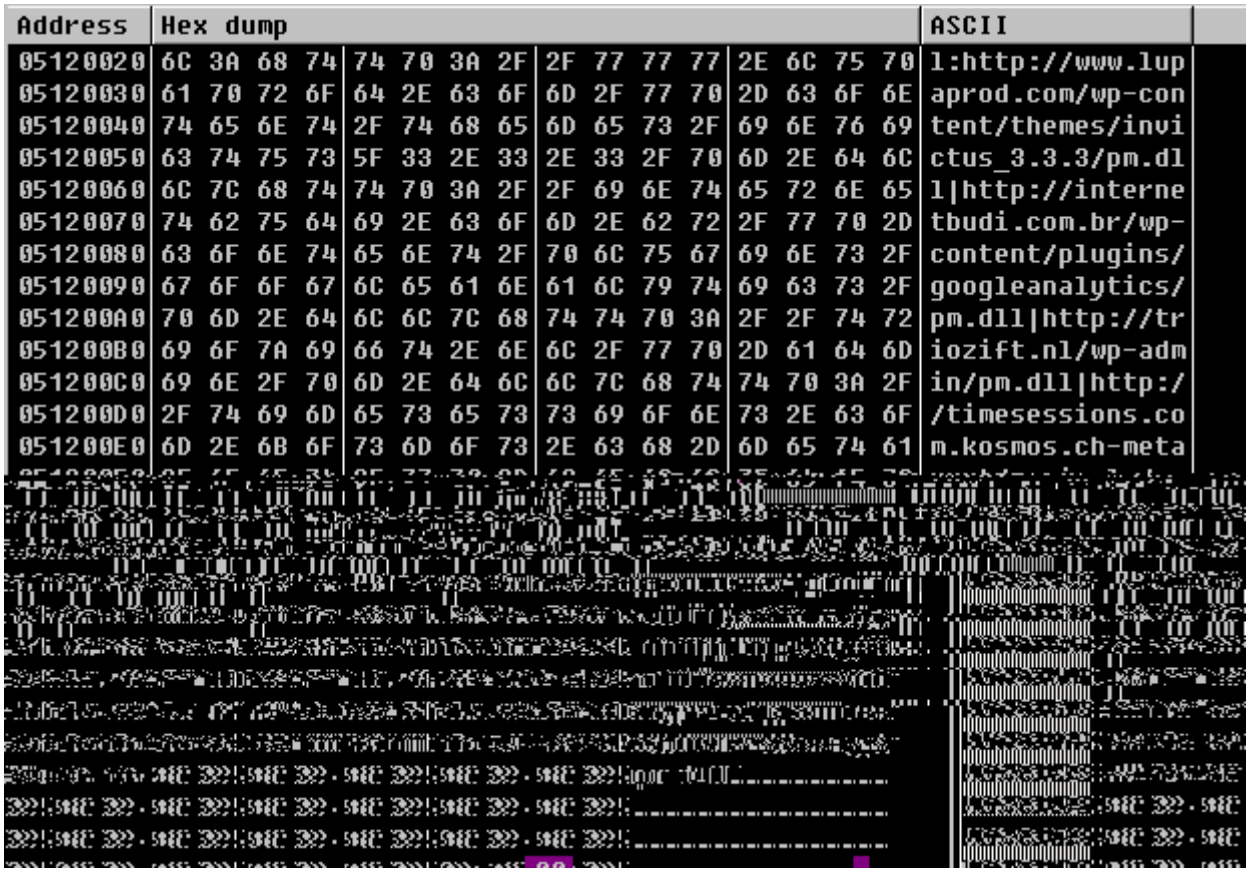


ﾐ 2.11 EnumCalendarInfoW ₱ ˜ o ﾗ

يح 2.12 EnumCalendarInfoW ₱ shellcode

2.2 0x02. Shellcode

Shellcode ӊ ╠ 7 ضي ṗ PE ą


Address
Hex dump
ASCII
05120020 6C 3A 68 74 74 70 3A 2F 2F 77 77 77 2E 6C 75 70 l:http://www.lup
05120030 61 70 72 6F 64 2E 63 6F 6D 2F 77 70 2D 63 6F 6E aprod.com/wp-con
05120040 74 65 6E 74 2F 74 68 65 6D 65 73 2F 69 6E 76 69 tent/themes/invi
05120050 63 74 75 73 5F 33 2E 33 2E 33 2F 70 6D 2E 64 6C ctus_3.3.3/pm.dl
05120060 6C 7C 68 74 74 70 3A 2F 2F 69 6E 74 65 72 6E 65 l|http://interne
05120070 74 62 75 64 69 2E 63 6F 6D 2E 62 72 2F 77 70 2D tbudi.com.br/wp-
05120080 63 6F 6E 74 65 6E 74 2F 70 6C 75 67 69 6E 73 2F content/plugins/
05120090 67 6F 6F 67 6C 65 61 6E 61 6C 79 74 69 63 73 2F googleanalytics/
051200A0 70 6D 2E 64 6C 6C 7C 68 74 74 70 3A 2F 2F 74 72 pm.dll|http://tr
051200B0 69 6F 7A 69 66 74 2E 6E 6C 2F 77 70 2D 61 64 6D iozift.nl/wp-adm
051200C0 69 6E 2F 70 6D 2E 64 6C 6C 7C 68 74 74 70 3A 2F in/pm.dll|http:/
051200D0 2F 74 69 6D 65 73 65 73 73 69 6F 6E 73 2E 63 6F /timesessions.co
051200E0 6D 2E 6B 6F 73 6D 6F 73 2E 63 68 2D 6D 65 74 61 m.kosmos.ch-meta

2.14 C&C

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4.2 VenusEye

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