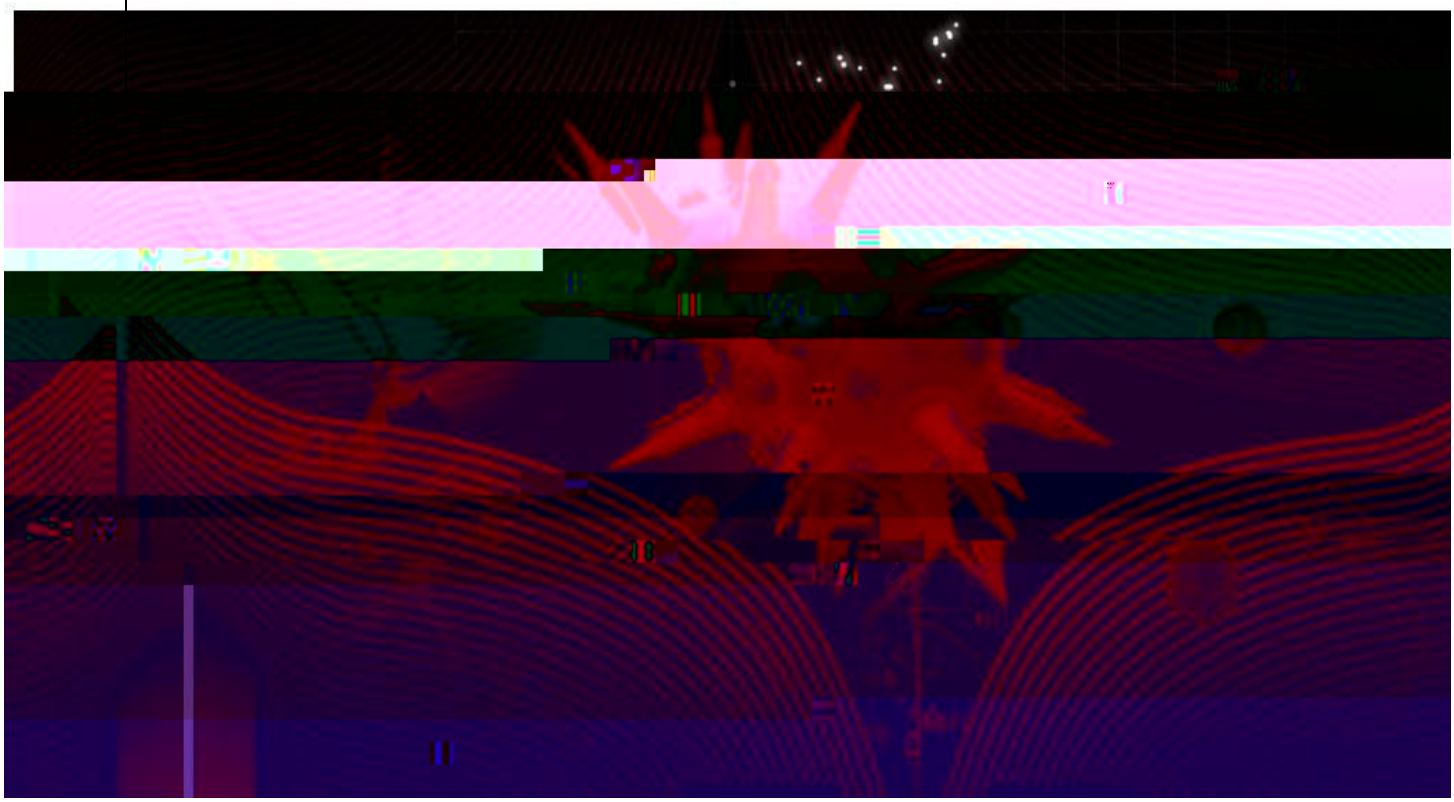

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VenusEye ɳ ڣ ǐ ǖ “ ” Ɗρ

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ʅ β ʗ TabStrip Ð ǘ ໜ shellcode
╞ ʗ ToggleButton Ð ǘ

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ẃ ᠰ ᠰ Ḥ ₱ ╞ EnumDateFormats ǟ
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O sample.doc

MD5 0d1dbb318ca 8a96e3e9abb307f3616cd

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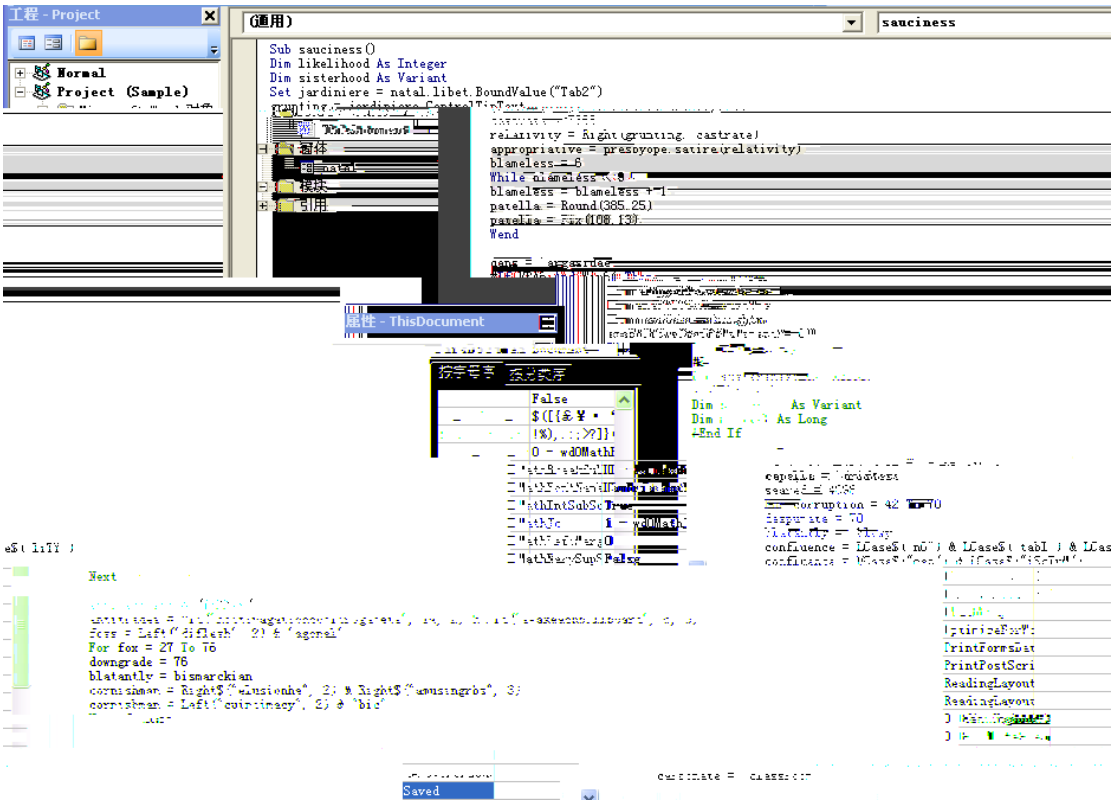
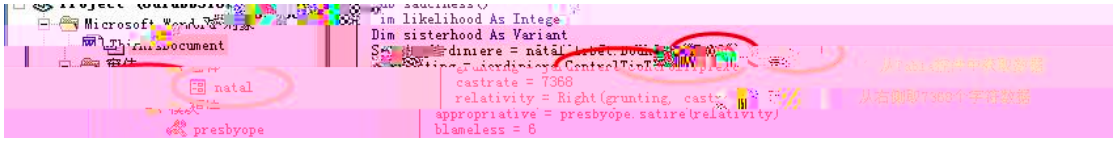


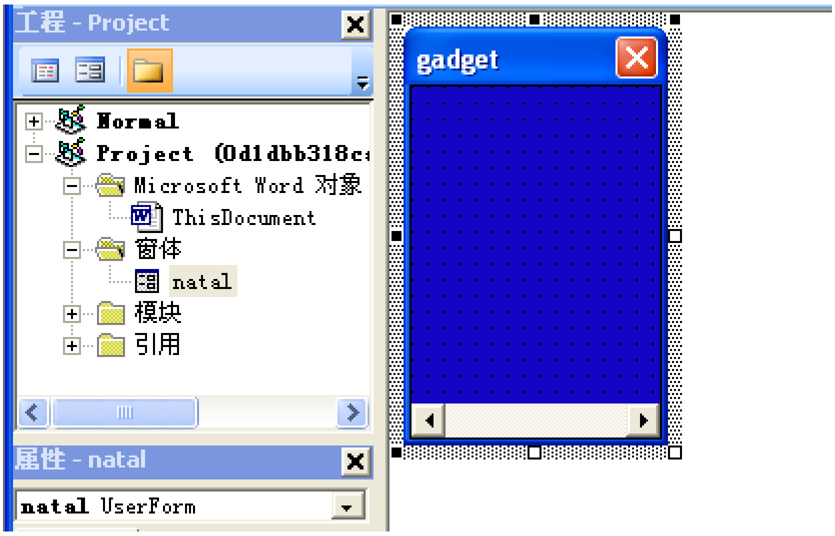
ฆ 2.1 ๊ ๅ

2 ๅ ώ ψ ς O “ natal ” ς TabStrip ð ControlTipText ΰ ς ๋ υ ΰ 7368 20161031_ “ ” Ⅾρ ζ ′ ϟ ╠ Ḥ □ ς ToggleButton ð



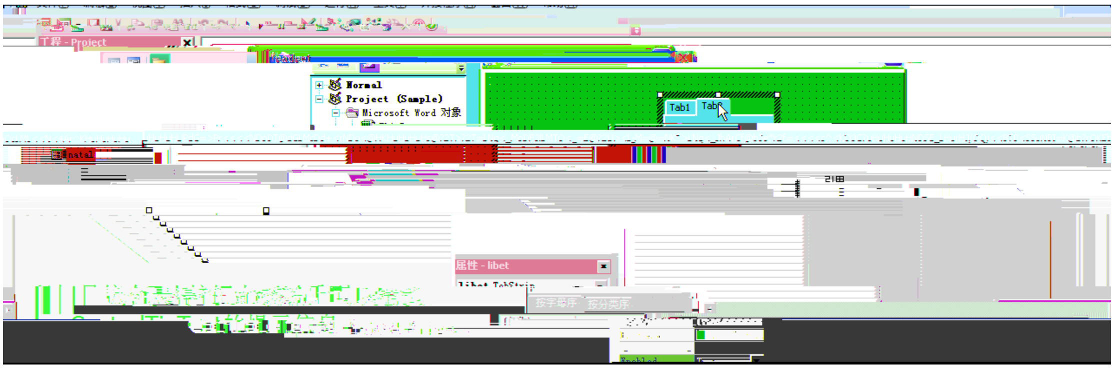
ͼ 2.2 ʛ Ð Ǚ

3 natal r Δ r TabStrip Ð.



ͼ 2.3 Δ TabStrip Ð

4 d ʰ ʃ ض r TabStrip Ð ض TabStrip Ð ControlTipText ControlTipText ˜ ϒ Ả ض Ð ₮ ꜛ Ḥ ˜ ϒ ʃ Ḡ



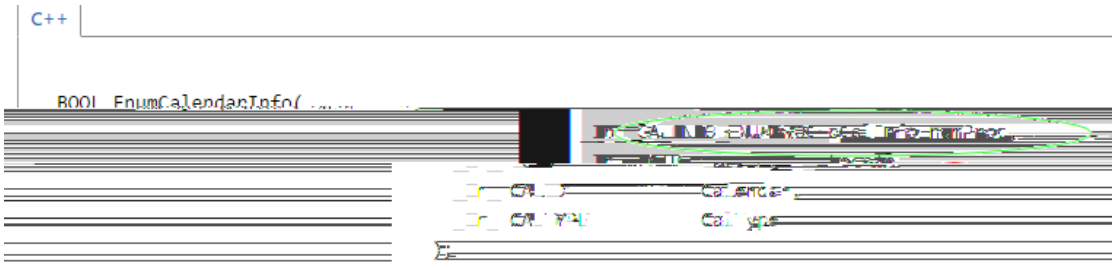
ͼ 2.4 TabStrip Ð ControlTipText

5 ControlTipText Ư ḩ Ư ʰ ʃ ɰ ˜ shellcode ʮ Shellcode ḩ ╟ G ▯

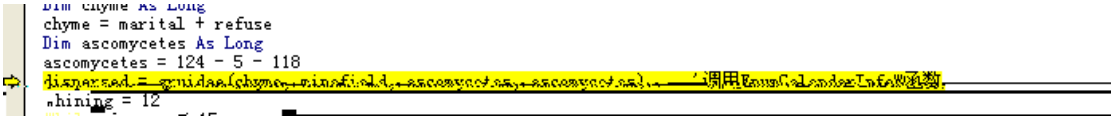
يح 2.5 shellcode

6 RtlMoveMemory غ VirtualAllocEx

ﾈ 2.8 EnumCalendarInfoW ₱

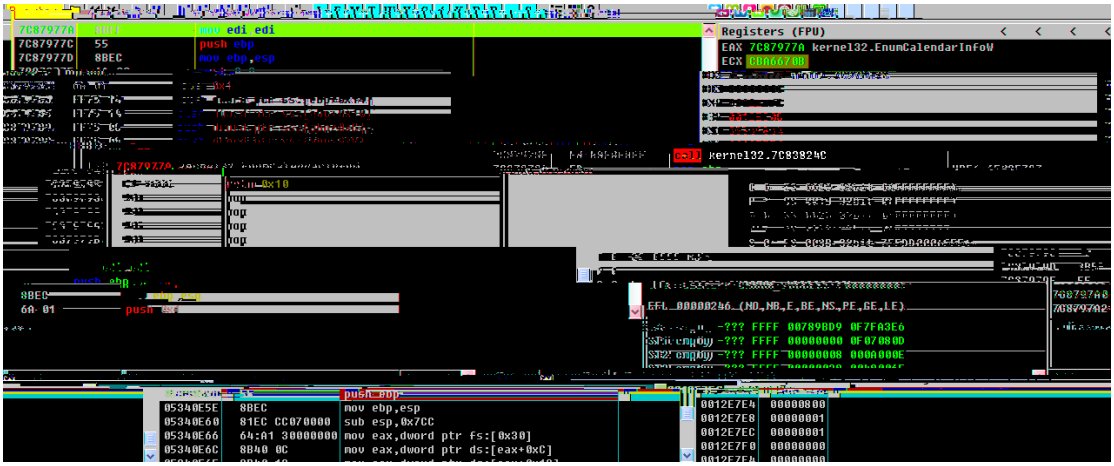


ﾈ 2.9 EnumCalendarInfo ₱



ﾈ 2.10 EnumCalendarInfoW ₱ shellcode ƀ ﾈ ₱ D ˜

9 ą ﾇ ¥ ⌠ ﾘ EnumCalendarInfoW ₱ ˜ ﾇ shellcode ﾂ

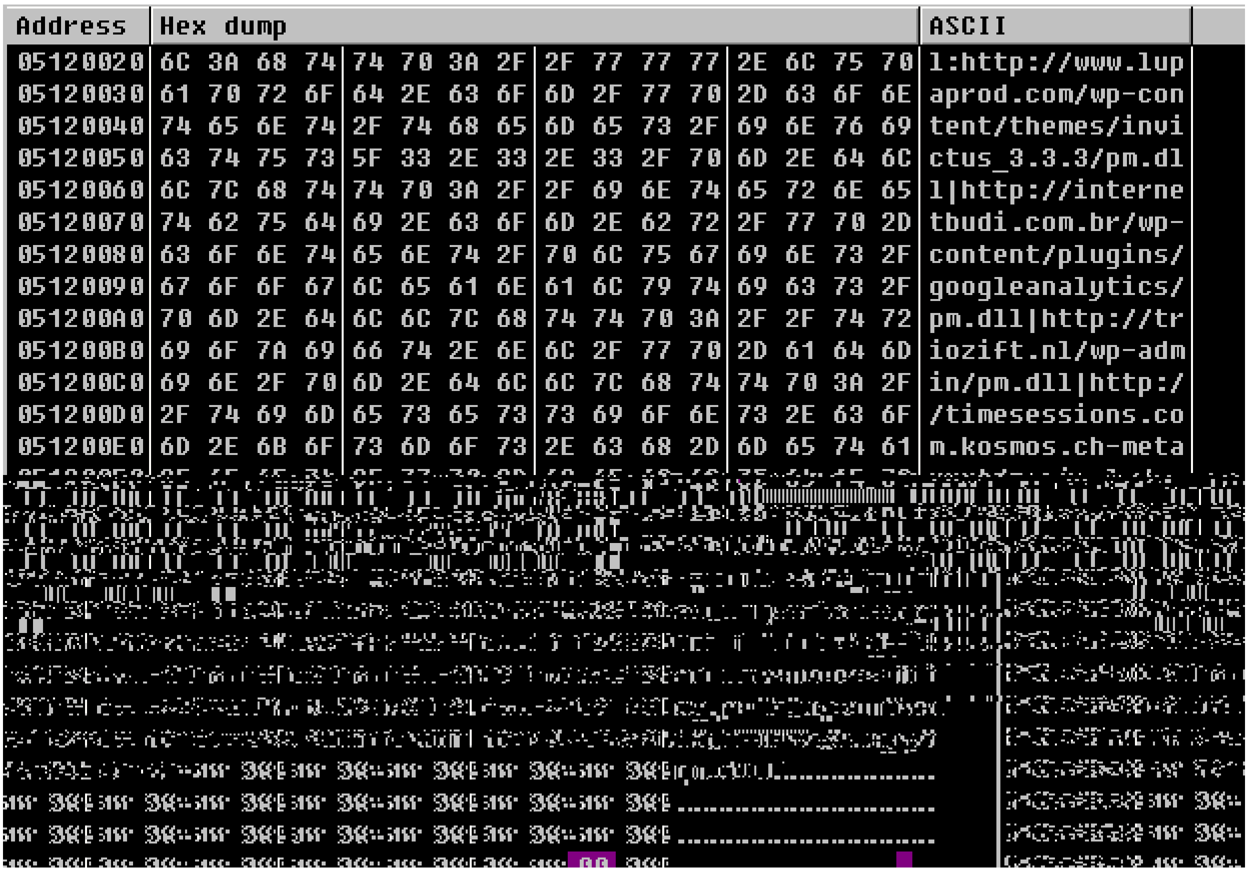


ﾈ 2.11 EnumCalendarInfoW ₱ ˜ ﾂ

ﻳﺪ 2.12 EnumCalendarInfoW ₱ shellcode

2.2 0x02. Shellcode

Shellcode ᵸ ╠ 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

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. APT

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D ɳ ˜˜ ˜˜ ˜
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ᘯ APT ˚˚ ج G Ⅵ Ⅵ № غ Đ /
G ℗ ΰ ⇔ قمم ˚˚ ج G ɀ
H-worm № APT 𝒟ₚ ℣ ˜˜ └ ΰ ˜
𝒟ₚ APT 𝒟ₚ Ҥ ˜ ɣ ᘯ APT ˚˚
ج ΰ 0-day ‰ β

4.1 APT

𝒟ₚ ᘯ APT ˚˚ ج ˜ ɣ
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ᘯ APT ˚˚ ج ƀ ٦ ί
ɳ ˚˚ ج ˜ ΄ ٦ 𝒟ₚ ≢
قمم 0-day ≠ ᘯ فج ΰ
↓ يج ṗ ῷ ΐ غ Ҥ
└ خ ROP ≠ API Shell code
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𝒟ₚ يج

4.2 VenusEye

VenusEye ŋ ﬞ Ω ﬞ ̊ ̊ ج №
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VenusEye ŋ ﬞ ῷ U ṻ २
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ᵽ Locky Ɗᵨ № ᵽ
№ २ 18
ێ ʔ SandWorm ɣ
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