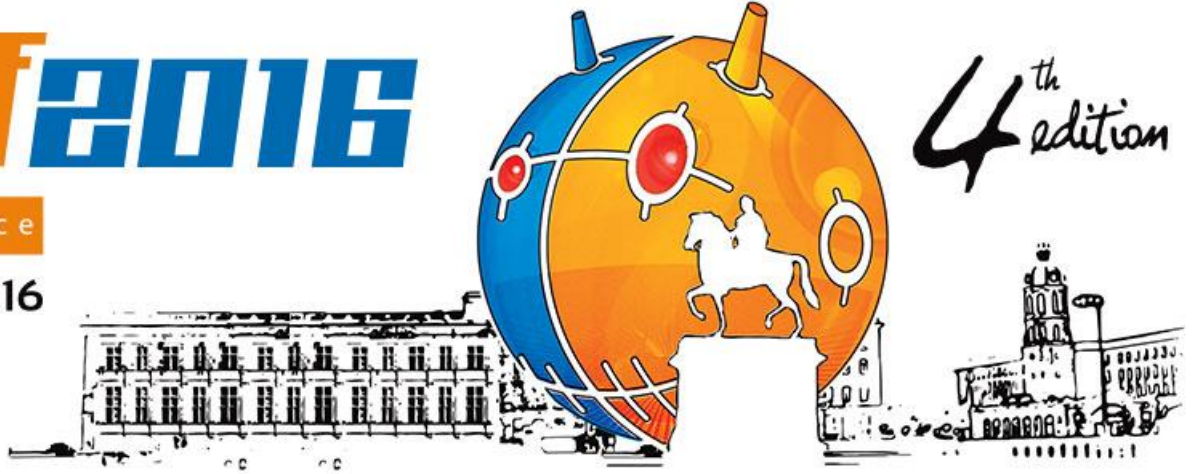
botconf2016

The botnet fighting conference

30 NOVEMBER - 2 DECEMBER 2016

LYON - FRANCE



.NET sample analysis, do you have more ?

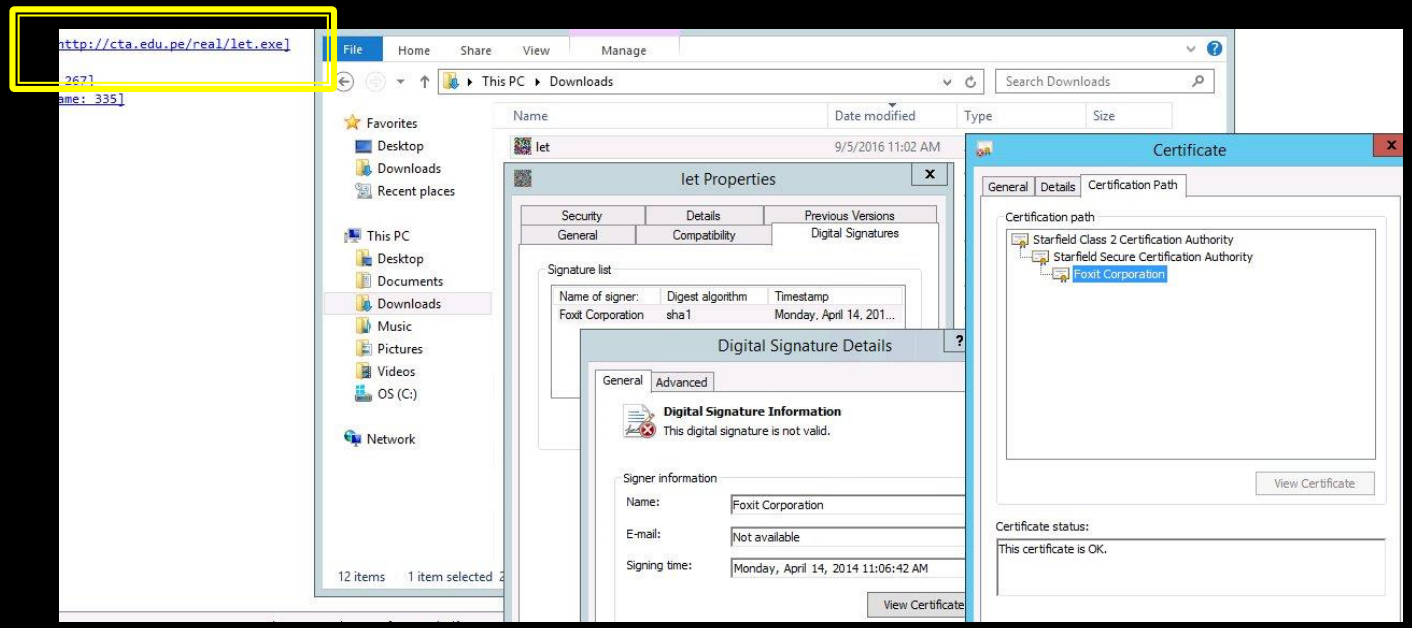
Hugo RIFFLET

@l3m0ntr33

QUICK'N DIRTY

.NET sample analysis, do you have more ?

http://cta.edu.pe/real/let.exe

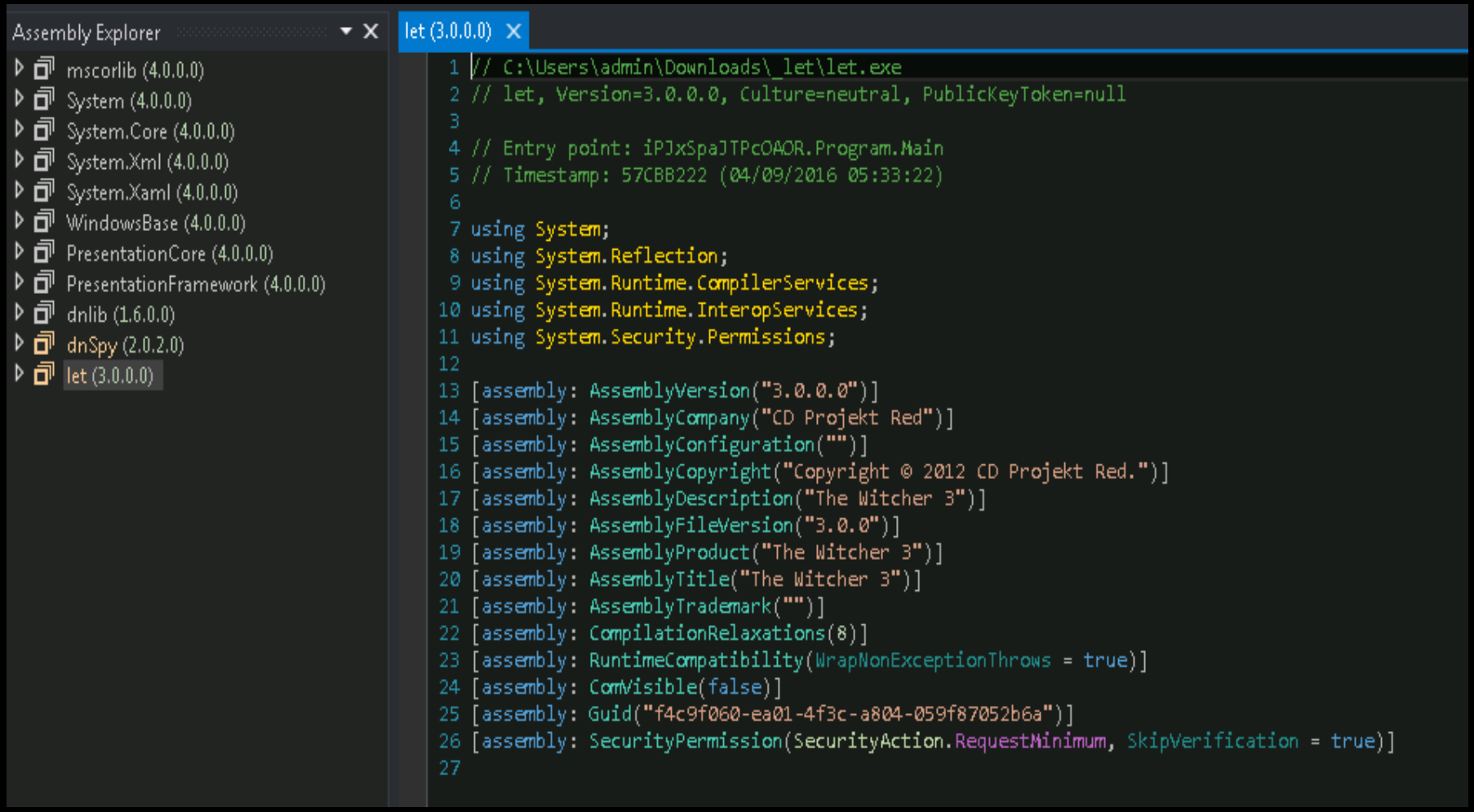


.NET sample analysis, do you have more ?

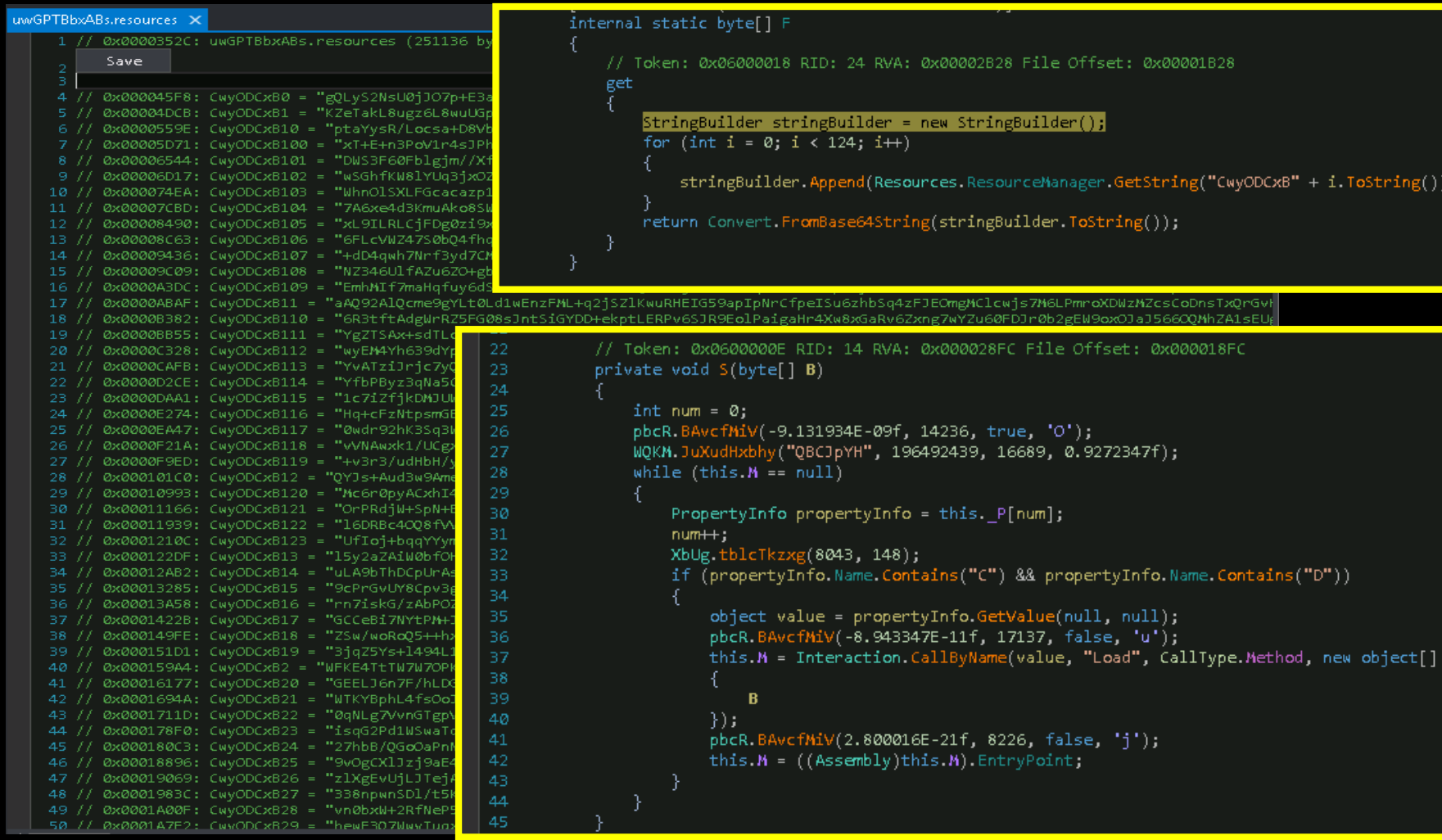
1st Stage – let.exe .NET sample

14d1c127f23b2440bfb59be830be7386530623d730e1c06190eca7da4c4bdc1c

.NET sample analysis, do you have more ?



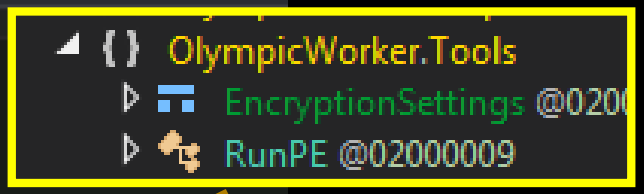
.NET sample analysis, do you have more ?



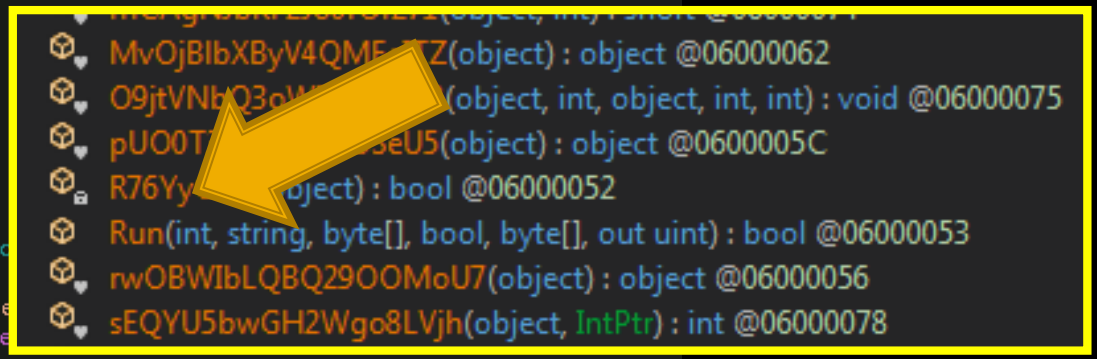
.NET sample analysis, do you have more ?

2nd stage – Olympic Worker Always .NET

.NET sample analysis, do you have more ?




```
18 [assembly: AssemblyCopyright("Copyright ©  2016")]
19 [assembly: AssemblyDelaySign(false)]
20 [assembly: AssemblyDescription("")]
21 [assembly: AssemblyFileVersion("1.0.0.0")]
22 [assembly: AssemblyKeyName("")]
23 [assembly: AssemblyProduct("OlympicWorker")]
24 [assembly: AssemblyTitle("OlympicWorker")]
25 [assembly: AssemblyTrademark("")]
26 [assembly: CompilationRelaxations(8)]
27 [assembly: RuntimeCompatibility(WrapNonExceptio
28 [assembly: ComVisible(false)]
29 [assembly: Guid("4825e303-3b70-4d83-afa4-1e7b8e
30 [assembly: SecurityPermission(SecurityAction.Re
31
```



.NET sample analysis, do you have more ?

```
42          // Token: 0x06000009 RID: 9 RVA: 0x00002148 File Offset: 0x00000348
43          [MethodImpl(MethodImplOptions.NoInlining)]
44          public static void DoWork()
45          {
46              try
47
48
49
50
51
52
53
54
55
56
57
58
59
60
```

Locals

Name	Value	Type
encryptionSettings	{OlympicWorker.Tools.EncryptionSettings}	OlympicWorker.Tools.Encr
CompatibleMode	false	bool
DeleteZoneID	true	bool
DownloadExecute	false	bool
DownloadURL	""	string
EOFData	{byte[0x00000000]}	byte[]
EnableFakeError	false	bool
EnableStartup	false	bool
ExecutionDelay	0x00000000	int
FakeErrorMessage	""	string
FakeErrorTitle	""	string
FakeErrorType	Asterisk	System.Windows.Forms.M
HideFile	false	bool
InjectProtectionModule	false	bool
InjectionTarget	0x00000003	int
InstallFile	false	bool
InstallPath	0x00000000	int
MarkAsSystem	false	bool
MutexString	"SsXwHEDushUCDkgXlkkK"	string
ProcessName	""	string
StartupKey	""	string

.NET sample analysis, do you have more ?

3rd stage – Native PE32 file

MD5,086C7DAC6F6C25E8E1B6A804CB78A4B8
- 0 results on VT on september
- Now detected by 42 AV vendors

virustotal

SHA256:	2af3610b33b952a14fcfa6efb0392c083f1db1e3b23
Nom du fichier :	data.exe
Ratio de détection :	42 / 56
Date d'analyse :	2016-12-01 15:02:39 UTC (il y a 1 minute)

Analyse | File detail | Informations supplémentaires | C

Antivirus	Résultat	
ALYac	Trojan.Keylogger.NBD	20161201

.NET sample analysis, do you have more ?

If someone has already made a study of .NET samples and/or classification (packer, dropper,…) i will be happy to go further.

Please free to contact me @l3m0ntr33