

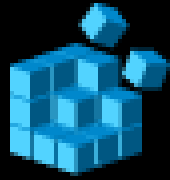
# Yet another dev fail ?

Botconf 2021/2022 – Nantes

**Hugo RIFFLET** – CERT Orange Cyberdefense

[@l3m0ntr33](#)

FFF264F9DA03BC03135F472C09218F9D

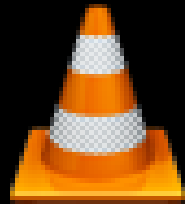


javax.exe

Uncompress

Nom	Modifié le	Taille
gmobilt.niq	10/07/2019 19:52	117 148 Ko
tbid.scd	10/07/2019 19:52	210 Ko
umicwxg.exe	09/10/2016 17:20	918 Ko

0A33378CA330411EF11D133A25B87DEA



acd.exe

Uncompress

Nom	Modifié le	Taille
facb.rks	06/03/2019 11:46	117 292 Ko
iblkjkr.tkw	06/03/2019 11:46	210 Ko
ygpimp.exe	09/10/2016 17:20	918 Ko

8815DD6C28C04D90461A9F2E936957FD



lili.exe

Uncompress

Nom	Modifié le	Taille
cipitmke.exe	09/10/2016 16:20	918 Ko
tvvpcqwj.rot	18/05/2019 00:16	115 627 Ko
wfmqpoud.lyp	18/05/2019 00:15	210 Ko

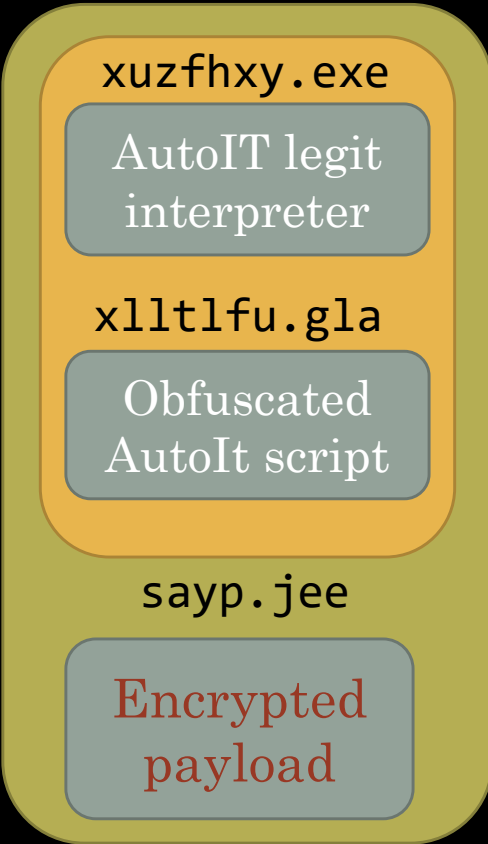


AutoIT script launched by IExpress → xuzfhxy.exe xlltlfu.gla



acd.exe

IExpress CAB File



- 1** Create persistence folder → `C:\Users\\unpcw\`
- 2** Move files → `..\xuzfhxy.exe`  
`..\xlltlfu.gla`  
`..\sayp.jee`
- 3** Create scheduled task → `cmd /c schtasks /create /sc minute /mo 5 /tn unpcw «xuzfhxy.exe xlltlfu.gla»`
- 4** Copy .NET RegSvcs.exe to user directory → `../RegSvcs.exe → copied to → C:\Users\\xuzfhxy.exe`
- 5** Decrypt payload with RC4 → Decrypted payload is saved in memory
- 6** Inject into RegSvcs.exe copy with Process Hollowing technic → API Call flow: `CreateProcessW, GetThreadContext, WriteProcessMemory, SetThreadContext, ResumeThread`

Malware dev use code copied from this repository but ...

<https://github.com/BlizD/AutoIT/blob/master/RC4.au3>

```
Func _RC4($Data, $key)
    Local $OPCODE =
        "0xC81001006A006A005356578B551031C989C84989D7F2AE484829C88945F085C00F84DC000000B90001000088C82C0188840DEFFFEFFFFFFE
        F38365F4008365FC00817DFC000100007D478B45FC31D2F775F0920345100FB6008B4DFC0FB68C0DF0FEFFFFFF01C80345F425FF0000008945
        48B75FC8A8435F0FEFFFFFF8B7DF486843DF0FEFFFFFF888435F0FEFFFFFFF45FCEBB08D9DF0FEFFFFFF31FF89FA39550C76638B85ECFEFFFFFF4025F
        0000008985ECFEFFFFFF89D80385ECFEFFFFFF0FB6000385E8FEFFFFFF25FF0000008985E8FEFFFFFF89DE03B5ECFEFFFFFF8A0689DF03BDE8FEFFFFFF86
        788060FB60E0FB60701C181E1FF0000008A840DF0FEFFFFFF8B750801D6300642EB985F5E5BC9C21000"
    Local $CodeBuffer = DllStructCreate("byte[" & BinaryLen($OPCODE) & "]")
    DllStructSetData($CodeBuffer, 1, $OPCODE)
    Local $Buffer = DllStructCreate("byte[" & BinaryLen($Data) & "]")
    DllStructSetData($Buffer, 1, $Data)
    VirtualProtect(DllStructGetPtr($CodeBuffer), BinaryLen($OPCODE), 0x40)
    DllCall("user32.dll", "none", "CallWindowProc", "ptr", DllStructGetPtr($CodeBuffer), "ptr", DllStructGetPtr(
    $Buffer), "int", BinaryLen($Data), "str", $key, "int", 0)
    Local $Ret = DllStructGetData($Buffer, 1)
    $Buffer = 0
    $CodeBuffer = 0
    Return $Ret
EndFunc
```

**FAIL !!**

**Use of str instead of wstr**



Thanks !

@13m0ntr33