

TellYouThePass Ransomware Analysis Reveals Modern Reinterpretation Using Golang

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- TellYouThePass ransomware, discovered in 2019, recently re-emerged compiled using Golang
- Golang's popularity among malware developers makes cross-platform development more accessible
- TellYouThePass ransomware was recently associated with Log4Shell post-exploitation, targeting Windows and Linux
- The CrowdStrike Falcon® platform protects customers from Golang-written TellYouThePass ransomware using the power of machine learning and behavior-based detection

The TellYouThePass [ransomware](#) family was recently reported as a post-exploitation malicious payload used in conjunction with a remote code execution vulnerability in [Apache Log4j library, dubbed Log4Shell](#). TellYouThePass was first reported in early 2019 as a financially motivated ransomware designed to encrypt files and demand payment for restoring them. Targeting both Windows and Linux systems, TellYouThePass ransomware re-emerged in mid-December 2021 along with other ransomware like Khonsari. This lesser-known ransomware family came back into the spotlight as a post-exploitation payload associated with the Log4Shell. The remote code execution vulnerability is estimated to expose affected organizations to a wave of cybersecurity risks. Previously known TellYouThePass ransomware samples were written in traditional programming languages like Java or .Net., but two new recent samples reported in public repositories have been rewritten and compiled in Golang. [Golang's popularity among malware developers](#) has steadily increased over the past years. It allows them to use the same codebase and compile it for all major operating systems, making cross-platform development work more accessible. What follows is a deeper dive into the new Golang-written TellYouThePass ransomware samples for Windows and Linux and how the CrowdStrike Falcon® platform protects against them.

Setting Up the Analysis

We first check the binary for the “Go build id” string to identify the Golang build used for compiling it. In recent campaigns of Go-written malware, especially in ransomware cases, attackers patch the binary to remove this string, making it difficult for researchers to use string-based signatures to detect the binary as Go. Going through the two samples — `460b096aaf535b0b8f0224da0f04c7f7997c62bf715839a8012c1e1154a38984` (Windows) `5c8710638fad8eeac382b0323461892a3e1a8865da3625403769a4378622077e` (Linux) — we noticed that more than 85% of code in the Windows and Linux versions are almost the same:

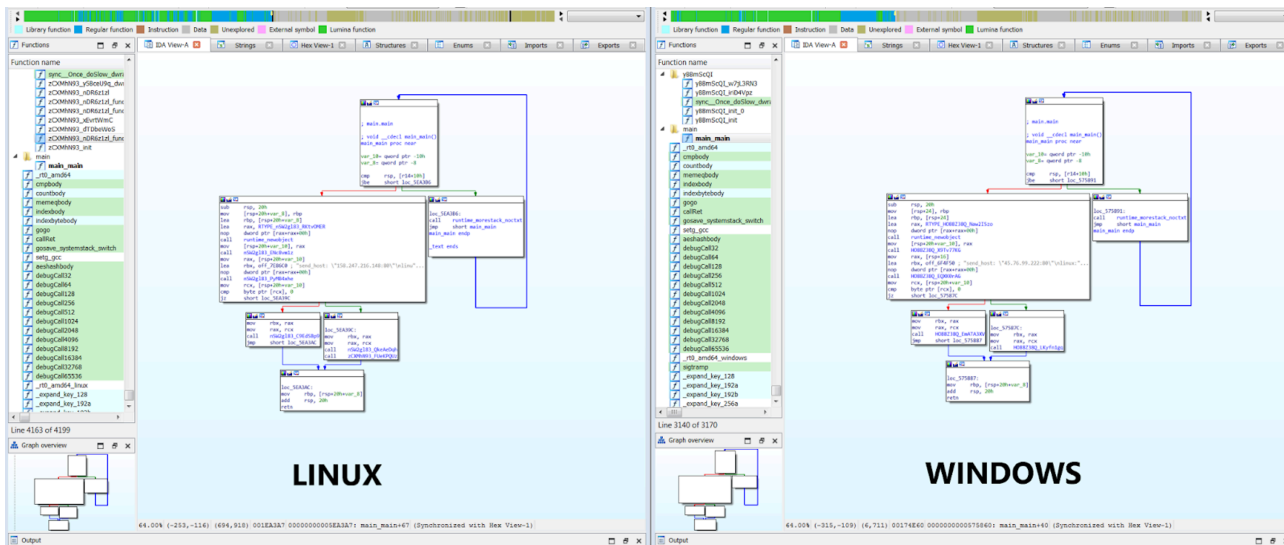


Figure 1. The “main.” functions for both Windows and Linux samples are almost identical (Click to enlarge)

A deeper dive into the some of the ransomware’s functions:

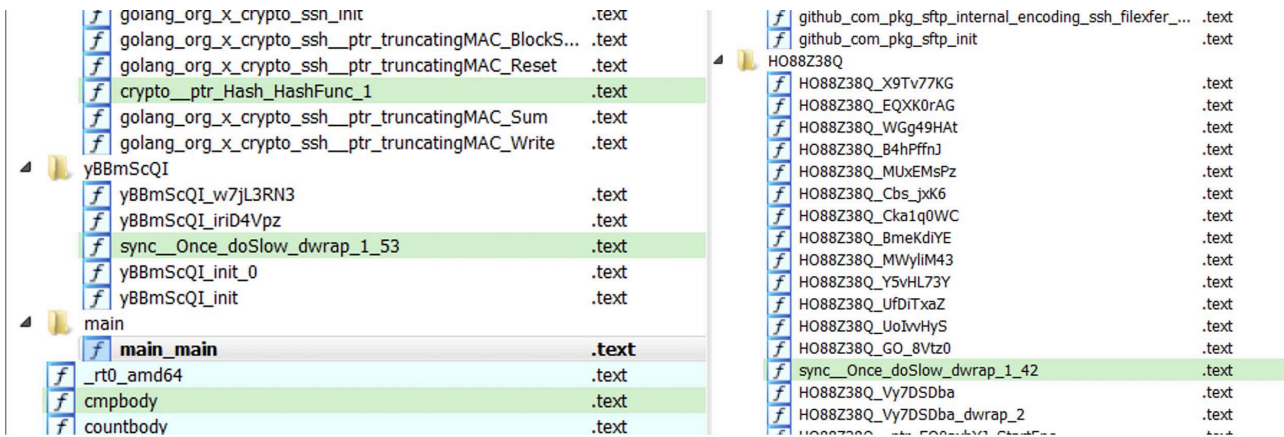


Figure 2. TellYouThePass ransomware functions for the Windows sample in IDA Pro (Click to enlarge)

As we have [previously](#) discussed, we start by focusing on the “main.” functions in Golang. We notice in this case that the malware authors have left only one main function and changed the other functions to random names, making analysis difficult. The sample checks the existence of the files “ showkey.txt ” and “ public.txt ” with the help of OS.Getenv, using " ALLUSERSPROFILE " and " HOMEDRIVE " as keys in Windows and Home and /tmp/ in Linux. If it is present, it means encryption occurred, and it exists using runtime.gopanic ; otherwise, it creates them.

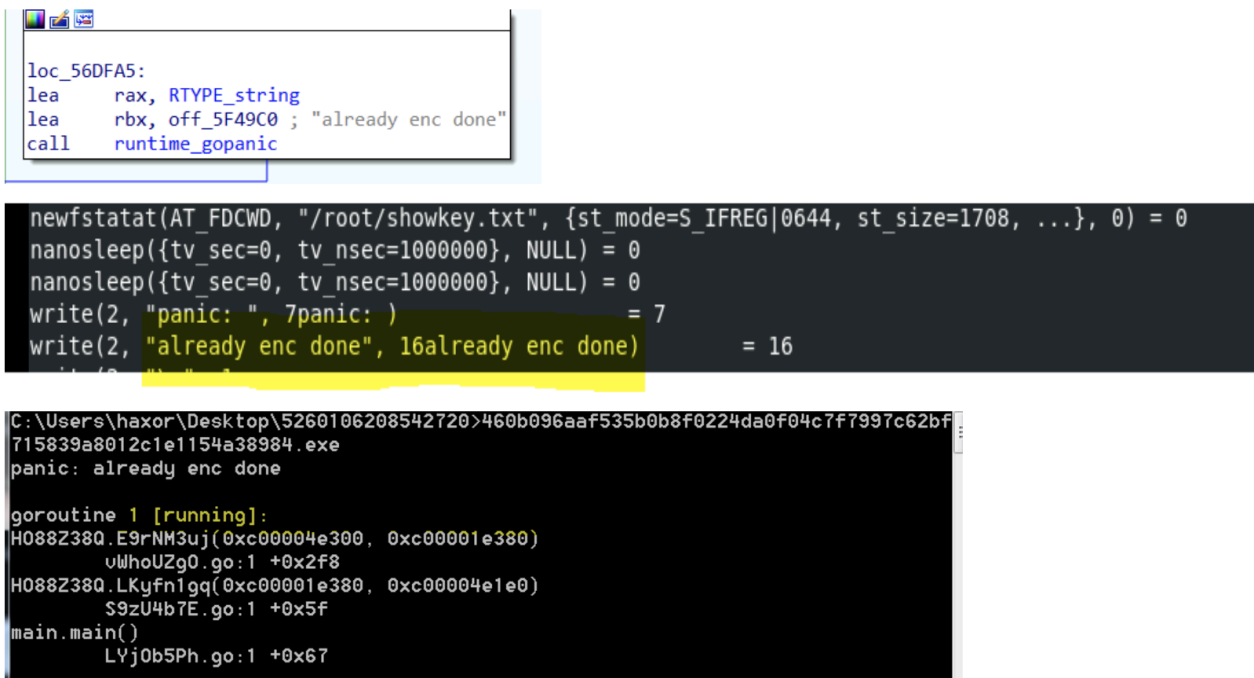


Figure 3. Encryption function followed by successful encryption for both Linux and Windows (Click to enlarge)

For Windows, the return is " C:\\ProgramData " and /root/ directory in Linux. Using path.join to join " showkey.txt " and " public.txt " with the directories results in:

| Windows | Linux |
|---|---|
| <ul style="list-style-type: none"> • " C:\\ProgramData/showkey.txt " • " C:\\ProgramData/public.txt " | <ul style="list-style-type: none"> • " /root/showkey.txt " • " /root/public.txt " |

Table 1. Directories for saving showkey.txt and public.txt

The sample uses the [Golang Crypto Packages](#) for RSA key — some of them are [crypto_x509 MarshalPKCS1PublicKey](#), [crypto_x509 MarshalPKCS1PrivateKey](#), [encoding_pem EncodeToMemory](#) and [crypto_rsa GenerateMultiPrimeKey](#). As seen in Figure 4, `crypto_x509 MarshalPKCS1PrivateKey` converts the RSA private key to PKCS #1, ASN.1 DER form. Then, [the encoding_pem EncodeToMemory](#) returns the PEM (Privacy Enhanced Mail) encoding, and after that, `runtime.Slicebytetostring` converts bytes to string, resulting in the conversion of bytes to string (see Figure 5).

```
sub    rsp, 50h
mov    [rsp+50h+var_8], rbp
lea   rbp, [rsp+50h+var_8]
call  crypto_x509_MarshalPKCS1PrivateKey
lea   rdx, [rsp+50h+var_38]
movups xmmword ptr [rdx], xmm15
lea   rsi, [rsp+50h+var_28]
movups xmmword ptr [rsi], xmm15
lea   rsi, [rsp+50h+var_18]
movups xmmword ptr [rsi], xmm15
lea   rsi, aRsaPrivateKey ; "RSA PRIVATE KEY"
mov   [rsp+50h+var_38], rsi
mov   [rsp+50h+var_30], 0Fh
mov   [rsp+50h+var_20], rax
mov   [rsp+50h+var_18], rbx
mov   [rsp+50h+var_10], rcx
mov   rax, rdx
nop   dword ptr [rax+rax+00h]
call  encoding_pem_EncodeToMemory
mov   rcx, rbx
mov   rbx, rax
xor   eax, eax
call  runtime_slicebytetostring
mov   rbp, [rsp+50h+var_8]
add   rsp, 50h
retn
```

Figure 4. Function that generates

the RSA private key

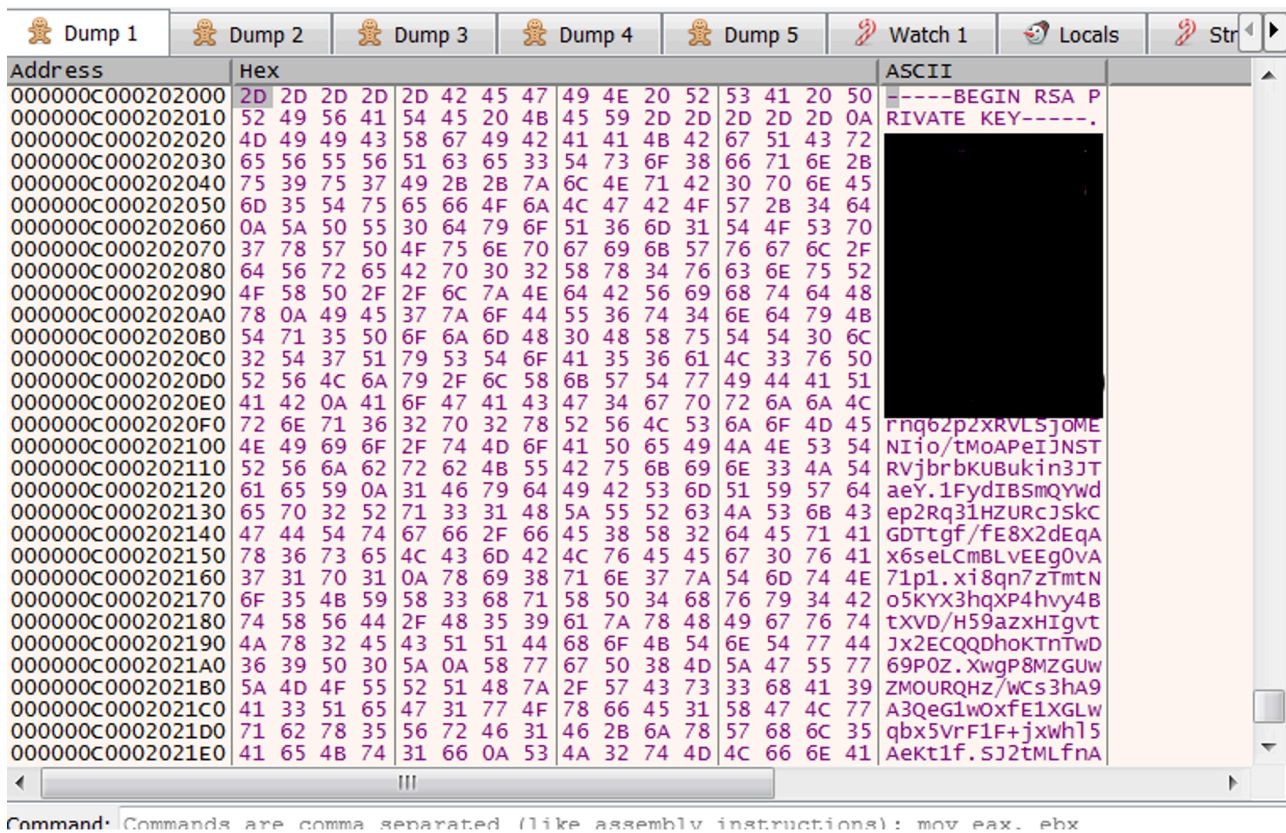
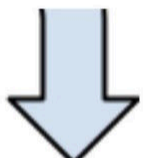


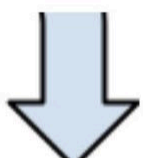
Figure 5. The generated RSA key (Click to enlarge)

The RSA public key is generated using the `encoding_base64_ptr_Encoding DecodeString` and `encoding_pem_encode` packages from Golang, as shown in Figure 6.

| Address | Hex | ASCII |
|-----------------|---|--------------------|
| 0000000005C6630 | 4C 53 30 74 4C 53 31 43 52 55 64 4A 54 69 42 53 | LS0tLS1CrudJTtBS |
| 0000000005C6640 | 55 30 45 67 55 46 56 43 54 45 6C 44 49 45 74 46 | U0EgUFVCTE1DIETf |
| 0000000005C6650 | 57 53 30 74 4C 53 30 74 43 68 31 4A 53 55 4A 4A | WS0tLS0tck1JSUJJ |
| 0000000005C6660 | 61 6B 46 4F 51 6D 64 72 63 57 68 72 61 55 63 35 | akFOQmDr cwhr aUc5 |
| 0000000005C6670 | 64 7A 42 43 51 56 46 46 52 6B 46 42 54 30 4E 42 | dzZBCQVFRkFBTONB |
| 0000000005C6680 | 55 54 68 42 54 55 6C 4A 51 68 4E 6E 53 30 4E 42 | UThBTU1JqkNnsONB |
| 0000000005C6690 | 55 55 56 42 65 58 6B 34 4C 31 4E 35 63 48 46 6B | UUVBeXk4L1N5cHFk |
| 0000000005C66A0 | 4B 30 56 32 4E 32 35 55 63 32 56 58 62 32 73 4B | K0V2N25Uc2Vxb2sK |
| 0000000005C66B0 | 53 48 68 56 61 32 70 68 4D 55 6C 47 4F 46 4E 52 | SHhva2phmUlGOFNR |
| 0000000005C66C0 | 52 46 63 32 59 6E 4E 31 59 6A 42 6C 62 47 46 43 | RfC2YnN1YjblbgFC |
| 0000000005C66D0 | 53 7A 5A 32 52 6A 68 47 63 32 70 34 62 31 5A 72 | Szz2Rjhgc2p4b1Zr |
| 0000000005C66E0 | 4F 45 35 34 52 6A 59 30 51 6C 52 31 53 6D 4E 30 | OE54RjY0QlR1smN0 |
| 0000000005C66F0 | 63 32 77 35 59 30 39 6D 56 46 6C 44 5A 33 56 35 | c2w5Y09mVf1Dz3v5 |
| 0000000005C6700 | 5A 48 42 52 55 67 6F 78 65 55 78 4D 57 55 39 6B | ZHBRUGoxeUxMwU9k |
| 0000000005C6710 | 52 79 39 47 54 6D 52 43 64 30 39 69 54 47 74 70 | Ry9GTMRCd09iTGtp |
| 0000000005C6720 | 65 6B 56 4C 63 46 4E 33 55 46 6C 5A 61 44 55 34 | ekVLcFN3Uf1Zadu4 |
| 0000000005C6730 | 61 46 64 52 4C 32 46 50 62 6B 6C 6E 4E 33 52 53 | aFDRl2FPbk1nN3RS |
| 0000000005C6740 | 62 30 4E 54 57 45 67 79 64 47 49 34 64 6E 46 73 | b0NTWegyDGI4dnFs |
| 0000000005C6750 | 57 6E 42 56 55 7A 46 51 51 6C 5A 68 43 6B 46 42 | wnBVuzFQqlzhckFB |
| 0000000005C6760 | 59 6A 4A 57 56 33 45 76 61 48 70 6B 4D 31 51 30 | YjJwV3EvaHpkM1Q0 |
| 0000000005C6770 | 59 6A 56 46 4D 48 4D 32 5A 48 46 4D 64 6D 39 31 | YjVfMhM2ZHfMdm91 |
| 0000000005C6780 | 61 6B 38 30 55 30 34 30 53 6D 56 54 62 6B 5A 77 | ak80U040SmvTbkZw |
| 0000000005C6790 | 57 6C 4E 4E 63 31 4E 53 63 6B 34 79 55 58 46 4A | w1Nnc1Nsck4yUXfJ |
| 0000000005C67A0 | 4B 32 4A 4F 61 79 74 4E 55 32 39 71 64 6D 4A 36 | K2JOaytNU29qdmJ6 |
| 0000000005C67B0 | 63 45 6F 4B 54 32 68 78 62 6A 56 70 61 55 56 61 | cEokT2hxbjvpaUva |
| 0000000005C67C0 | 59 55 46 51 4D 6D 4A 34 4D 56 5A 53 55 6B 77 35 | YUFQmJ4MVZSukw5 |
| 0000000005C67D0 | 65 48 4D 77 65 48 49 35 4E 54 52 4C 56 7A 49 72 | eHMweHI5NTRLVzIr |
| 0000000005C67E0 | 55 6E 6C 71 5A 33 52 30 4B 30 74 58 56 48 46 61 | UnlqZ3ROK0tXVHfA |
| 0000000005C67F0 | 56 48 46 4C 57 47 67 31 51 54 64 79 4E 7A 4E 69 | VHFLWgglQTdyNzNi |
| 0000000005C6800 | 51 57 4E 79 57 69 39 4E 64 77 70 72 56 44 4A 76 | QWnywi9NdWprVDJv |
| 0000000005C6810 | 4E 6E 55 77 55 57 4A 31 4F 56 4A 55 62 54 4A 42 | NnuUwUj1OVJubTJB |
| 0000000005C6820 | 64 55 64 54 55 45 52 55 52 7A 4E 4E 62 57 6C 49 | dudTuerURzNbnw1I |
| 0000000005C6830 | 62 57 6C 78 63 46 5A 75 54 48 6C 74 51 57 35 4D | bw1xcFzUthltQw5M |
| 0000000005C6840 | 4F 56 6C 47 55 46 56 57 51 55 56 73 63 45 46 79 | OVlGUFVwQUVscEFy |
| 0000000005C6850 | 55 48 46 75 4C 7A 4A 43 61 54 68 57 5A 46 52 6F | UHFuLzJCaThwZFRo |
| 0000000005C6860 | 43 6D 56 52 53 55 52 42 55 55 46 43 43 69 30 74 | CmVRSURBUUFCC10t |
| 0000000005C6870 | 4C 53 30 74 52 55 35 45 49 46 4A 54 51 53 42 51 | LS0tRU5EIFJTQSBQ |
| 0000000005C6880 | 56 55 4A 4D 53 55 4D 67 53 30 56 5A 4C 53 30 74 | VUJMSUMgS0VZLS0t |



```
call encoding_base64_ptr_Encoding_DecodeString
call encoding_pem_Decode
```



| Address | Hex | ASCII |
|------------------|---|------------------|
| 000000C000203FD6 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 | |
| 000000C000203FE6 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 | |
| 000000C000203FF6 | 00 00 00 00 00 00 00 00 00 00 2D 2D 2D 2D 42 |----B |
| 000000C000204006 | 45 47 49 4E 20 52 53 41 20 50 55 42 4C 49 43 20 | EGIN RSA PUBLIC |
| 000000C000204016 | 4B 45 59 2D 2D 2D 2D 2D 0A 4D 49 49 42 49 6A 41 | KEY-----,MIIBIJA |
| 000000C000204026 | 4E 42 67 6B 71 68 6B 69 47 39 77 30 42 41 51 45 | NBgkqhkiG9w0BAQE |
| 000000C000204036 | 46 41 41 4F 43 41 51 38 41 4D 49 49 42 43 67 4B | FAAOCAQ8AMIIBCgK |
| 000000C000204046 | 43 41 51 45 41 79 79 38 2F 53 79 70 71 64 2B 45 | CAQEayy8/sypqd+E |
| 000000C000204056 | 76 37 6F 54 73 65 57 6F 6B 0A 48 78 55 6B 6A 61 | v7ntsewnk Hxukia |

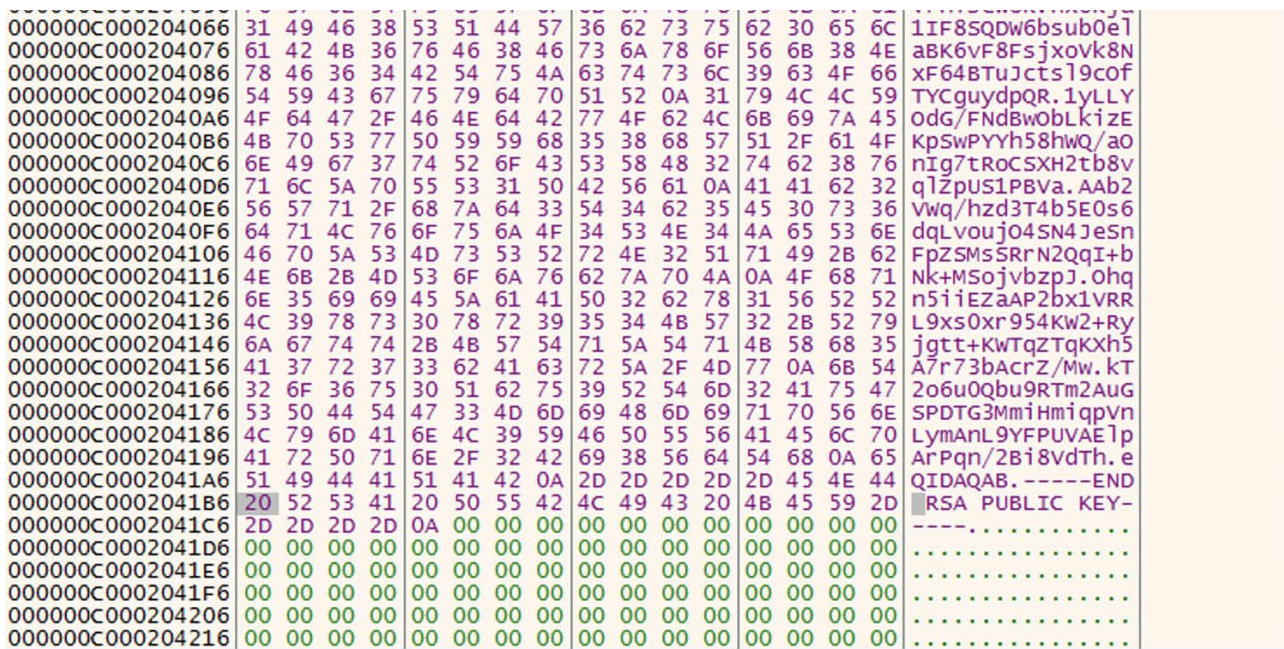


Figure 6. Base64 decoding (Click to enlarge)

After that, the PERSON_ID stores the encoding generated by

“[encoding_base64_ptr_Encoding_EncodeToString](#)” (in this case:

“ `ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789 +/` ” as array for Base64 std encoding)

every time the sample runs, saving it into “ `showkey.txt` ”. Afterward, another key is generated using the function below (Figure 7), also saving it into “ `public.txt` ”:

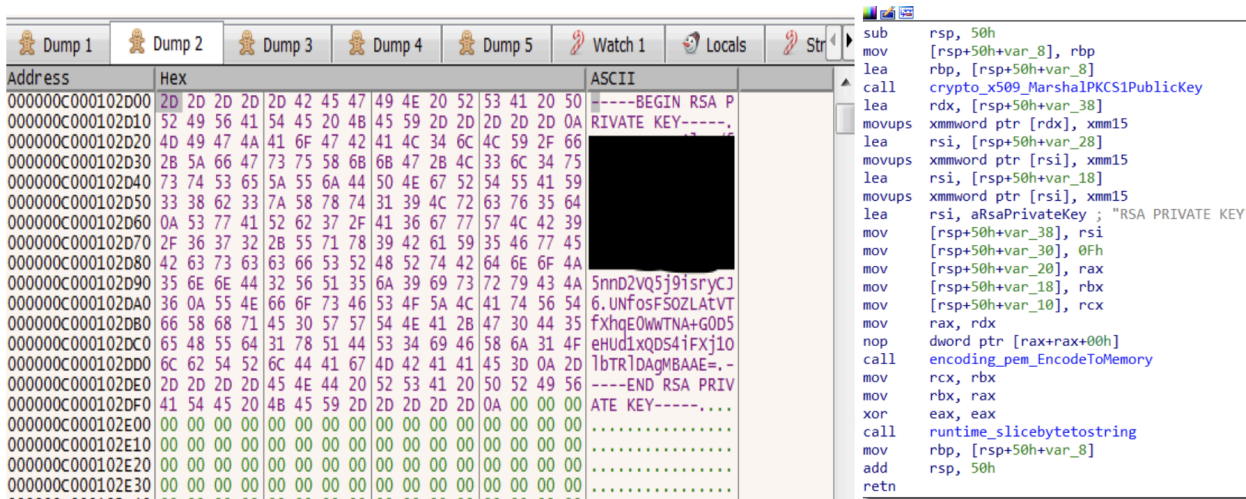


Figure 7. Key generation function (Click to enlarge)

Ransomware Behavior Prior to Encryption

TellYouThePass ransomware tries to kill some tasks and services before initiating the encryption routine, as shown in Table 2 below. However, in Linux, it requires root privilege to do that. Targeted applications include various email clients, database applications, web servers and document editors. It runs various commands using `cmd.exe` to kill tasks in Windows, and in Linux, it takes the [os_exec_command](#) Go package to execute different commands using `/bin/bash/` :

| Windows | Linux |
|--|---|
| <ul style="list-style-type: none">• "taskkill /f /im msftesql.exe "• "schtasks /delete /tn WM /F "• "taskkill /f /im sqlagent.exe "• "taskkill /f /im sqlbrowser.exe "• "taskkill /f /im sqlservr.exe "• "taskkill /f /im sqlwriter.exe "• "taskkill /f /im oracle.exe "• "taskkill /f /im ocssd.exe "• "taskkill /f /im dbsnmp.exe "• "taskkill /f /im synctime.exe "• "taskkill /f /im mydesktopqos.exe "• "taskkill /f /im agntsvc.exeisqlplussvc."• "taskkill /f /im xfssvcon.exe "• "taskkill /f /im mydesktopservice.exe "• "taskkill /f /im ocautoups.exe "• "taskkill /f /im agntsvc.exeagntsvc.exe "• "taskkill /f /im agntsvc.exeencsvc.exe "• "taskkill /f /im firefoxconfig.exe "• "taskkill /f /im tbirdconfig.exe "• "taskkill /f /im ocomm.exe "• "taskkill /f /im mysqld.exe "• "taskkill /f /im mysqld-nt.exe "• "taskkill /f /im mysqld-opt.exe "• "taskkill /f /im dbeng50.exe "• "taskkill /f /im sqbcoreservice.exe "• "taskkill /f /im excel.exe "• "taskkill /f /im infopath.exe "• "taskkill /f /im msaccess.exe "• "taskkill /f /im mspub.exe "• "taskkill /f /im onenote.exe "• "taskkill /f /im outlook.exe "• "taskkill /f /im powerpnt.exe "• "taskkill /f /im steam.exe "• "taskkill /f /im sqlservr.exe "• "taskkill /f /im thebat.exe "• "taskkill /f /im thebat64.exe "• "taskkill /f /im thunderbird.exe "• "taskkill /f /im visio.exe "• "taskkill /f /im winword.exe "• "taskkill /f /im wordpad.exe" | <ul style="list-style-type: none">• "service mysql stop"• "/etc/init.d/mysqld stop"• "service oracle stop"• "systemctl disable \"postgres*\""• "systemctl disable \"mysql*\""• "systemctl disable \"oracle*\"" |

| | |
|---|--|
| <ul style="list-style-type: none"> • "taskkill /f /im tnslsnr.exe" | |
|---|--|

Table 2. TellYouThePass commands that try to terminate some tasks and services before initiating the encryption routine

After that, it iterates through all directories from **A to Z** and encrypts the files.

```
loc_56A857:
mov     [rsp+64], rcx
lea     rdx, aAbcdefghijklmn ; "ABCDEFGHIJKLMNOPQRSTUVWXYZ"
movzx   ebx, byte ptr [rdx+rcx]
```

Both the Windows and the Linux versions

have a list of directory exclusions for encryption, shown in Table 3.

| Windows | Linux |
|---|--|
| <ul style="list-style-type: none"> • EFI.Boot • EFI.Microsoft • Windows • Program Files • All Users • Boot • IEidcache • ProgramData • desktop.ini • autorun.inf • netuser.dat • iconcache.db • thumbs.db • Local Settings • bootfont.bin • System Volume Information • AppData • Recycle.Bin • Recovery | <ul style="list-style-type: none"> • /bin • /boot • /sbin • /tmp • /etc • /lib • /proc • /dev • /sys • /usr/include • /usr/java |

Table 3. TellYouThePass directory exclusions for encryption

The TellYouThePass ransomware focuses on encrypting popular media and file extensions, saving their paths in the " encfile.txt " text file, located in the same folder as " public.txt " and " showkey.txt ". Below is the full list of targeted extensions for encryption: 1cd, 3dm, 3ds, 3fr, 3g2, 3gp, 3pr, 602, 7z, ps1, 7zip, aac, ab4, accdb, accde, accdr, accdt, ach, acr, act, adb, adp, ads, aes, agdl, ai, aiff, ait, al, aoi, apj, arc, arw, asc, asf, asm, asp, aspx, asx, avi, awg, back, backup, backupdb, bak, bank, bat, bay, bdb, bgt, bik, bin, bkp, blend, bmp, bpw, brd, c, cdf, cdr, cdr3, cdr4, cdr5, cdr6, cdrw, cdx, ce1, ce2, cer, cfg, cgm, cib, class, cls, cmd, cmt, conf, config, contact, cpi, cpp, cr2, crawl, crt, crw, cs, csh, csl, csr, css, csv, dac, dat, db, db3, db_journal, dbf, dbx, dc2, dch, dcr, dcs, ddd,

ddoc, ddrw, dds, der, des, design, dgc, dif, dip, dit, djv, djvu, dng, doc, docb, docm, docx, dot, dotm, dotx, drf, drw, dtd, dwg, dxb, dxf, dxg, edb, eml, eps, erbsql, erf, exf, fdb, ffd, fff, fh, fhd, fla, flac, flf, flv, flvv, fpx, frm, fxg, gif, gpg, gray, grey, groups, gry, gz, h, hbk, hdd, hpp, html, hwp, ibank, ibd, ibz, idx, iif, iiq, incpas, indd, jar, java, jnt, jpe, jpeg, jpg, jsp, jsp, ashx, js, kc2, kdbx, kdc, key, kpdx, kwm, laccdb, lay, lay6, ldf, lit, log, lua, m, m2ts, m3u, m4p, m4u, m4v, mapimail, max, mbx, md, mdb, mdc, mdf, mef, mfw, mid, mkv, mlb, mml, mmw, mny, moneywell, mos, mov, mp3, mp4, mpeg, mpg, mrw, ms11, msg, myd, myi, nd, ndd, ndf, nef, nk2, nop, nrw, ns2, ns3, ns4, nsd, nsf, nsg, nsh, nvram, nwb, nx2, nxl, nyf, oab, obj, odb, odc, odf, odg, odm, odp, ods, odt, ogg, oil, orf, ost, otg, oth, otp, ots, ott, p12, p7b, p7c, pab, pages, paq, pas, pat, pcd, pct, pdb, pdd, pdf, pef, pem, pfx, php, pif, pl, plc, plus_muhd, png, pot, potm, potx, ppam, pps, ppsm, ppsx, ppt, pptm, pptx, prf, ps, psafe3, psd, pspimage, pst, ptx, pwm, py, qba, qbb, qbm, qbr, qbw, qbx, qby, qcow, qcow2, qed, r3d, raf, rar, rat, raw, rb, rdb, rm, rtf, rvt, rw2, rwl, rwz, s3db, safe, sas7bdat, sav, save, say, sch, sd0, sda, sdf, sh, sldm, sldx, slk, sql, sqlite, sqlite3, sqllitedb, sr2, srf, srt, srw, st4, st5, st6, st7, so, st8, stc, std, sti, stm, stw, stx, svg, swf, sxc, sxd, sxg, sxi, sxm, sxw, tar, tar.bz2, tbk, tex, tga, tgz, thm, tif, tiff, tlg, txt, uop, uot, vb, vbox, vbs, vdi, vhd, vhdx, vmdk, vmsd, vmx, vmxf, vob, wab, wad, wallet, war, wav, wb2, wk1, wks, wma, wmv, wpd, wps, x11, x3f, xis, xla, xlam, xlc, xlk, xlm, xlr, xls, xlsb, xism, xlsx, xlt, xltm, xltx, xlw, xml, ycbcr, yuv, zip. Finally, the ransom note contains information about the encryption algorithm used to encrypt the files, specifically RSA-1024 and AES-256. It also includes the personid, used for identifying the victim. Following 0.05 bitcoin transfer into a designated and hardcoded wallet, attackers promise to provide victims with the decryption tool to recover all files.

I am so sorry ! All your files have been encrypted by RSA-1024 and AES-256 due to a computer security problems. If you think your data is very important .The only way to decrypt your file is to buy my decryption tool . else you can delete your encrypted data or reinstall your system.

Your personid :

wVpNQcCHvOWGdNdDaOSoyus4zAqE5egvi6BOiYHZWFz/p7Q3zN0BsY7PrfbrQtOp5IQR2R05/h4THwJ5rDQcpvrGdLr/6vxLby2ZGukPy+pz9vOzxE0KWRjWJ/6VDbHCvnyrSCHpLdtGycePFX+pAAqCUxyrNgU676USwTUIhAcxRMAzDyFZuCFqjV6ao2r40MzfSB2Q+k9gvt3eE3m1855qp6AxBaJZ+VdQHCekxWvCvRp3EKeDA3vHEWwCjnoQ5lnskNf69r1P9GU5IWrwiv78rGlp0fuRN7CFARQ984M/gWhVNBJozIR9grOkW7DMQy1i6Tr2Sv4u9Zzn8GzbhwFi78NWKqjv71EAeuZVRpnMNIFpUefTEraF2ulXtUoDvhjn8GpbB3IG4YWoLk0ZvRFi0pZgELGhCvPHs0Oersotb/SIMX1Nd1bU1DA681nW85GUV5ENaqrSazCU84YWwdeF+nF98gzpsXxEFOVTKqH94dwWEAYy8JcNm9TMLxpY4FrGga/L1AXUkfcJlyHDNf7Dv+biDJwrjefQxkBuWwGaDmdcRKvbuEUT10bCLWdxByiX63Y131SLbP2Z71FM7QovvCu/2hIg9YT4jTT6PDeCZKN4fndKe/4/fADvNRJl71Rc15ROZRJFzZcKCMNP+8DnuC5RaJbF//EoEY57Y5231oQerjW1qWi8hDGqxZmJ3D70WqC6xQkAlnmDfleVNuJTTYNTLasQ7yFjWvrnobpM3c5e3c6JF24h/rXcX2R38LMrHKrMVB02glQNAEFd8ib43HIGDXNSC7JV02YYRMoSmRLtsngaXxv-oJeQRIRzHHkH0HD6BFxGYOaq7flosdIryq/PAFDw3UZJFqmSeqpDN1pGIVzNtE411WwkNcMYPq2By9PQfD2Ag2+2RA2wvq7xLlilRmdDNMJs1GtlhvlKQ:

Decryption do as follows:

1. if you not own bitcoin, you can buy it online on some websites. like <https://localbitcoins.net/> or <https://www.coinbase.com/> .
2. send 0.05 btc to my wallet address bc1qqxck7kpgzgvud7v2hfyk55yr45fuml4rmt3jjasz.
3. send your btc transfer screenshots and your personid to my email service@goodluckday.xyz . i will send you decryption tool.

Tips:

1. don't rename your file
2. you can try some software to decryption . but finally you will know it's vain .
3. if any way can't to contact to me ,you can try send me bitcoin and paste your email in the transfer information. i will contact you and send you decryption tools.

Anything you want to help . please send mail to my email service@goodluckday.xyz. Have a nice day .

Figure 9. TellYouThePass ransom note (Click to enlarge)

CrowdStrike Falcon® Protection

The Falcon platform automatically detects and protects against this type of Golang-written malware using the power of the cloud, on-sensor and in-the-cloud machine learning, and indicators of attack (IOAs) to detect the threat. As Figure 10 shows, Falcon’s cloud-based machine learning detects both Golang-written ransomware samples for TellYouThePass, immediately protecting Windows and Linux environments. CrowdStrike Falcon® leverages machine learning to identify known and unknown malware or threats by understanding malicious intent. Both on-sensor and cloud-based machine learning can detect and prevent post-exploitation threats leveraging exploits such as Log4Shell to protect against malware, including the new Golang-written TellYouThePass ransomware.

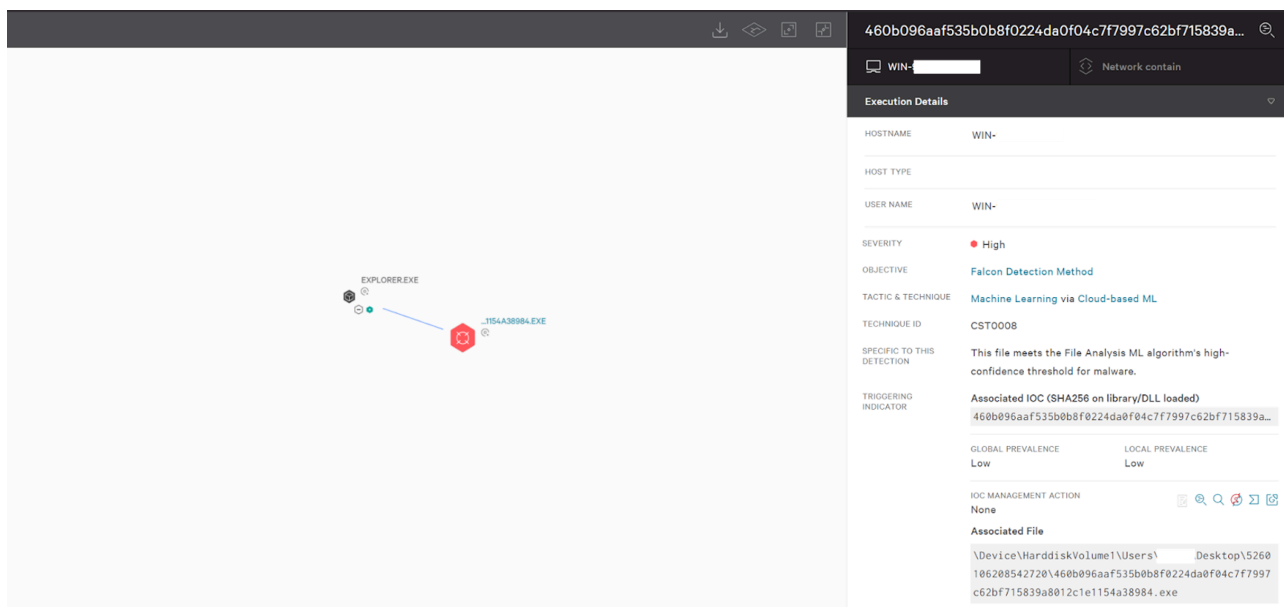


Figure 10. Falcon detection of Golang-written Windows TellYouThePass ransomware sample (Click to enlarge)

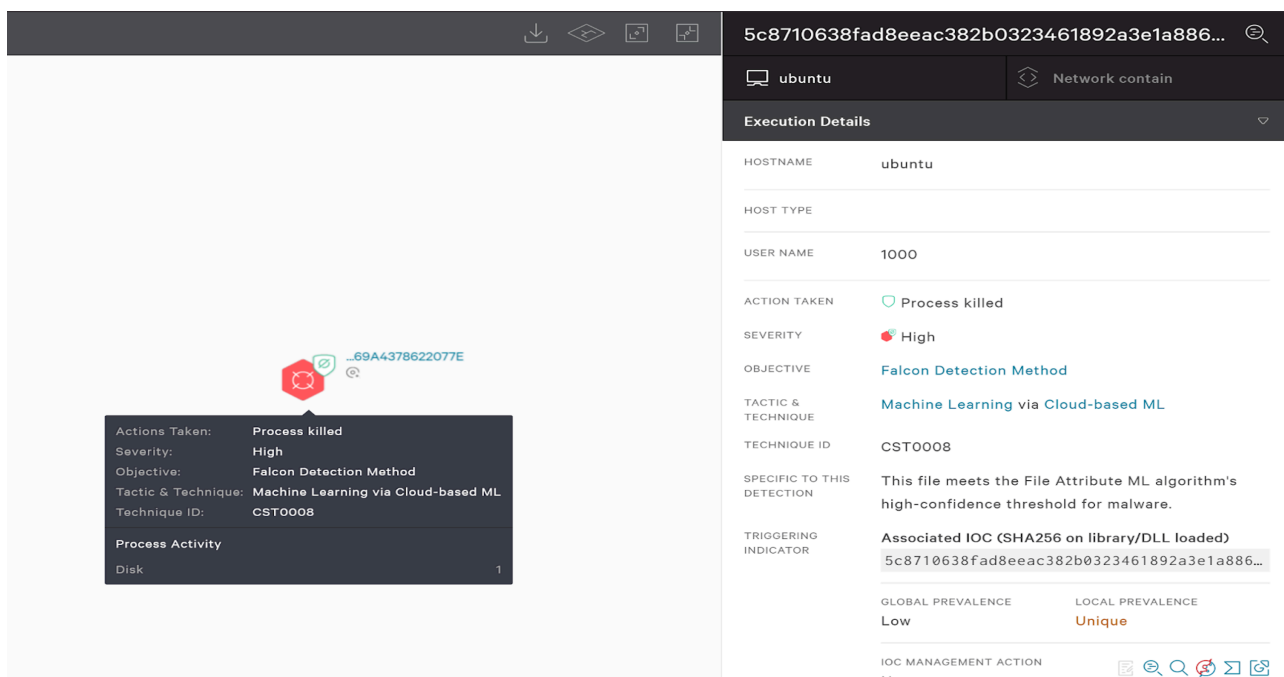


Figure 11. Falcon detection of Golang-written Linux TellYouThePass ransomware sample (Click to enlarge)

The CrowdStrike Falcon® platform provides protection against threats and visibility for all hosts in Windows, Linux and macOS, regardless of their location. The Falcon sensor can detect and prevent threats ranging from ransomware, cryptocurrency miners, trojans and botnets to stop today’s most sophisticated threats.

Indicators of Compromise (IOCs)

MITRE ATT&CK® Framework Mapping

| Attack Id | Tactic | Description |
|-----------|--|---|
| T1059 | Execution | Command and Scripting Interpreter |
| T1053 | Execution Persistence Privilege Escalation | Scheduled Task/Job |
| T1027 | Defense Evasion | Obfuscated Files or Information |
| T1140 | Defense Evasion | Deobfuscate/Decode Files or Information |
| T1083 | Discovery | File and Directory Discovery |
| T1057 | Discovery | Process Discovery |
| T1560 | Collection | Archive Collected Data |
| T1486 | Impact | Data Encrypted for Impact |

Additional Resources

- Read more about Golang malware in this blog: [Golang Malware Is More than a Fad: Financial Motivation Drives Adoption](#)
- Learn about another ransomware variant that uses a Golang packer: [New Ransomware Variant Uses Golang Packer](#)
- Visit the product website to learn how the powerful [CrowdStrike Falcon® platform](#) provides comprehensive protection across your organization, workers and data, wherever they are located.
- [Get a full-featured free trial of CrowdStrike Falcon® Prevent™](#) and see how true next-gen AV performs against today’s most sophisticated threats.

Source: <https://www.crowdstrike.com/blog/tellyouthepass-ransomware-analysis-reveals-modern-reinterpretation-using-golang/>