

LockBit Ransomware Disguised as Copyright Claim E-mail Being Distributed

ASEC asec.ahnlab.com/en/35822/

June 24, 2022



The ASEC analysis team has once again discovered the distribution of LockBit ransomware using phishing e-mail, and disguising itself as copyright claims e-mail which was introduced in the previous blog. The filename of the attachment in e-mail had password included, which is similar to that of phishing e-mail distributed last February (see the link below).

[LockBit Ransomware Being Distributed Using Resume and Copyright-related Emails](#)

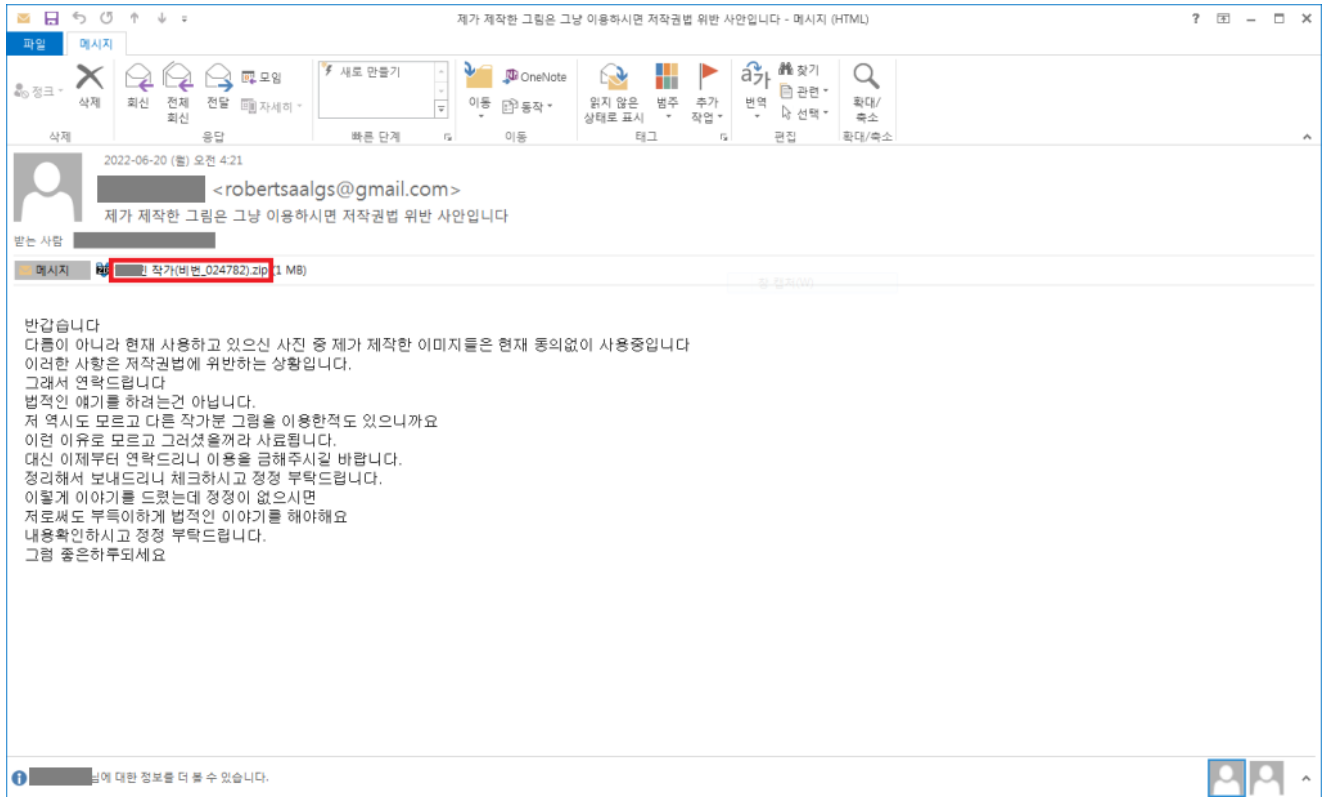


Figure 1. E-mail details

As shown in Figure 2, the phishing e-mail has a compressed file as an attachment that contains another compressed file inside.

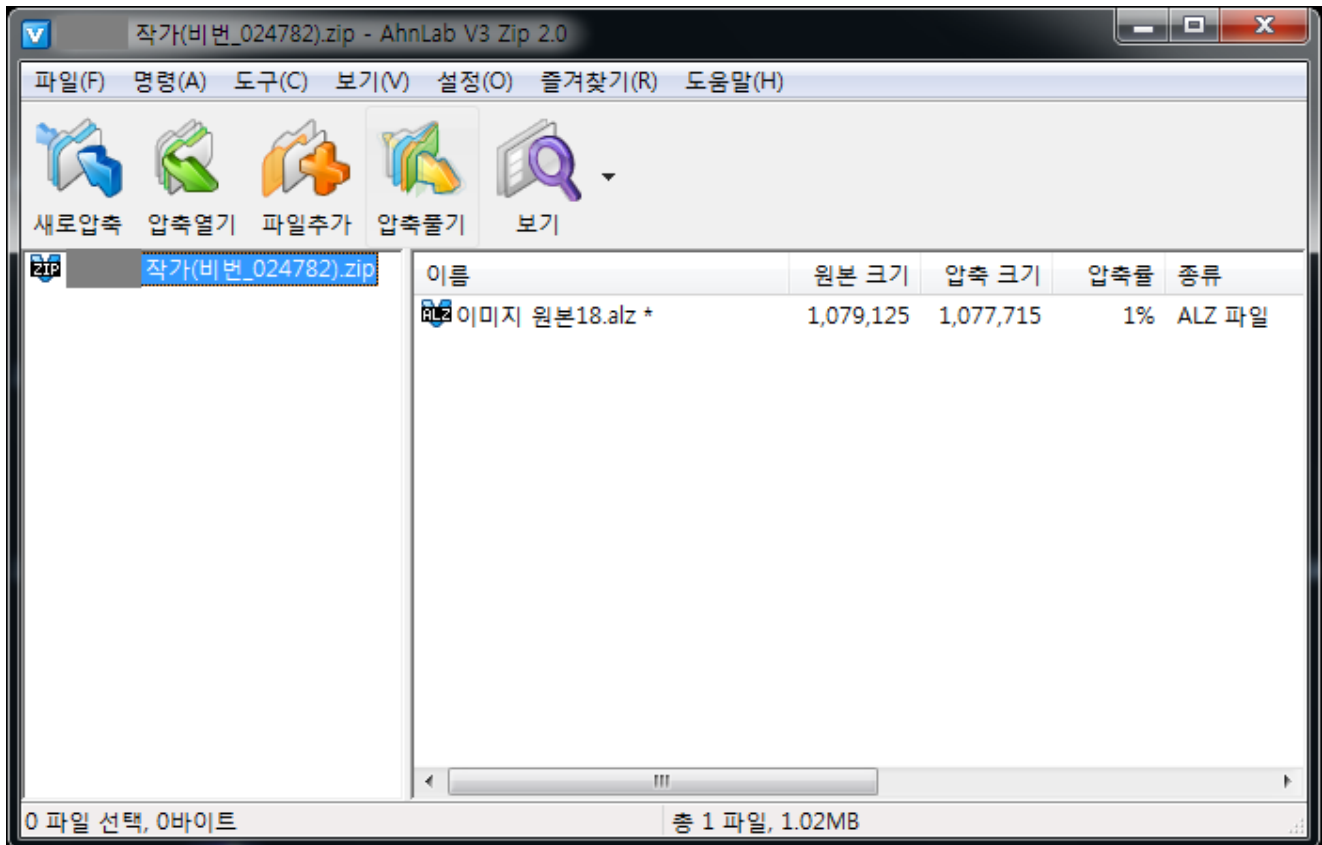


Figure 2. Inside the compressed file

It then terminates multiple services and processes to avoid detection of file infection behavior and analysis.

wrapper, vmware-converter, vmware-usbarbitator64, MSSQL, MSSQL\$, sql and etc.

Table 2. Terminated services

winword.exe, QBDBMgr.exe, 360doctor.exe, Adobe Desktop Service.exe, Autorunsc64a.exe, Sysmon.exe, Sysmon64.exe, procexp64a, procexp64a.exe, procmon.exe, procmon64.exe, procmon64a, procmon64a.exe, Raccine_x86, ProcessHacker.exe and etc.

Table 3. Terminated processes

The encryption happens after certain services and processes are terminated. If the drive type is DRIVE_REMOVABLE, DRIVE_FIXED, or DRIVE_RAMDISK, it will also be encrypted. Extensions and name of folders or files that are excluded from encryption are as follows:

system volume information, windows photo viewer, windowspowershell, internet explorer, windows security, windows defender, \$recycle.bin, Mozilla, msbuild, appdata, windows and etc.

Table 4. Folders excluded from encryption

.mp4 .mp3 .reg .ini .idx .cur .drv .sys .ico .lnk .dll .exe .lock .lockbit .sqlite .accdb .lzma .zipx .7z .db and etc.

Table 5. Extensions excluded from encryption

Encrypted files have an extension named .lockbit and a certain icon. Also, a ransom note named 'Restore-My-Files.txt' is created in the encrypted folder.

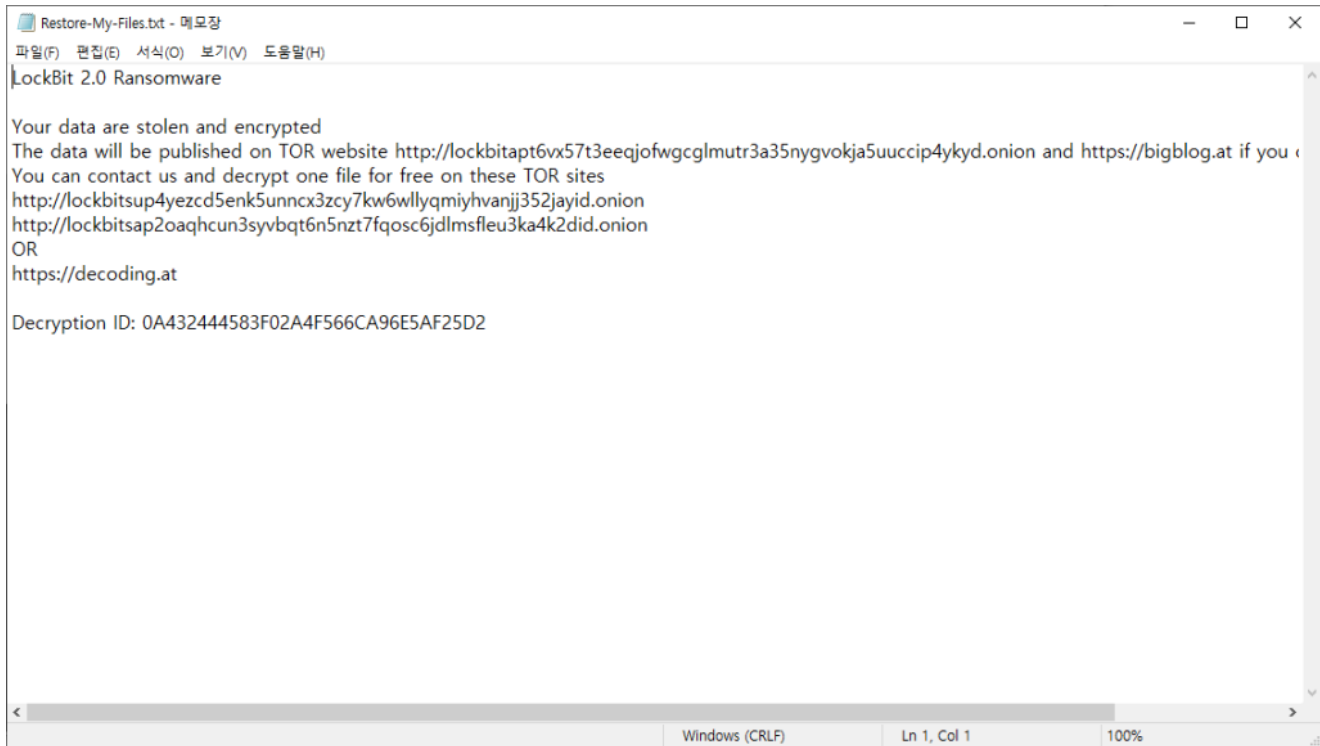


Figure 7. Ransom note

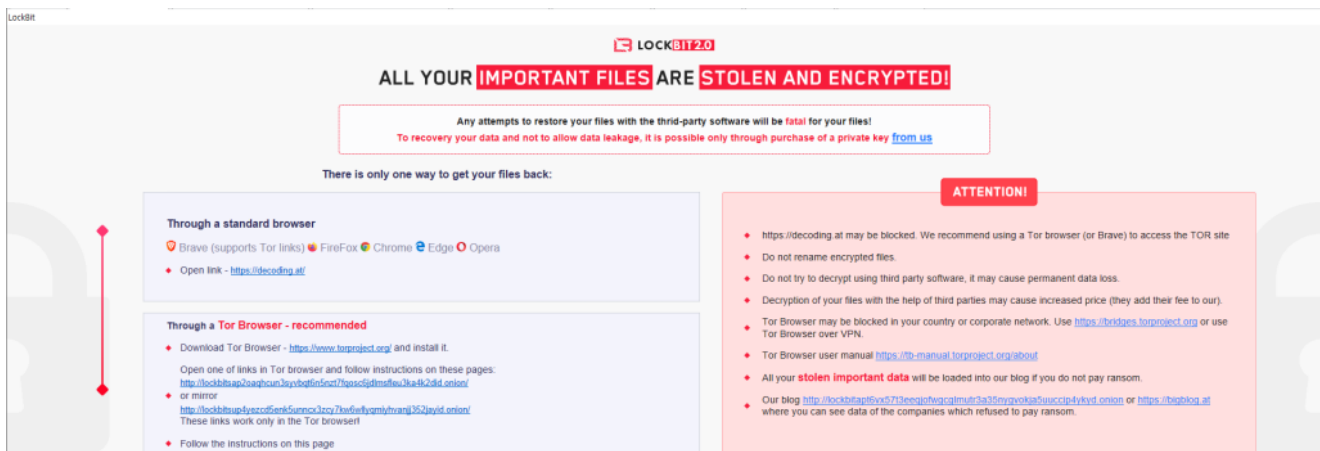


Figure 8. When infected by ransomware

As shown above, the distribution of ransomware disguised as copyright-related claims has been continually done in the past. Because emails distributing such malware types may include names of actual illustrators, users may run attached files without realizing it. Hence they should take extreme caution.

[File Detection]

Malware/Gen.Reputation.C4312359

[Behavior Detection]

Malware/MDP.SystemManipulation.M1751

✕ 악성코드 차단

악성코드 이름: Malware/MDP.SystemManipulation....

파일 경로: `..#02fd0cff771c418092f71beadea9eed2(pac`

상태: 프로세스 종료

상세 정보 ^

프로세스 이름: 02fd0cff771c418092f71beadea9e

행위 정보: 의심스러운 프로세스 실행

설명: 악성코드와 유사한 행위를 수행

클라우드 평판 정보

최초 보고 날짜:

사용자 수: 0

클라우드 평판: ✓ 0 ✕ 0

최초 발견 국가:

드로퍼: C:#Windows#explorer.exe

확인

같은 알림 창 다시 띄우지 않기

1/2 < >

[IOC Info]

- 3a05e519067bea559491f6347dd6d296 (eml)
- 74a53d9db6b2358d3e5fe3accf0cb738 (exe)

Subscribe to AhnLab's next-generation threat intelligence platform 'AhnLab TIP' to check related IOC and detailed analysis information.

Categories: [Malware Information](#)

Figure 9. Behavior block

Tagged as:Copyright Phishing E-mail, LockBit, NSIS Ransomware, Phishing_email,
Ransomware