

# Analysis of the Malware in Piracy Networks: Static Analysis of Executable Files Distributed via the Torrent Network in 2026

19<sup>th</sup> of May 2026

UPDATED: 26<sup>th</sup> of May 2026

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## Abstract

The distribution of pirated software and media via peer-to-peer (P2P) torrent networks remains a primary vector for malware distribution. Threat actors frequently use high demand for “cracked” executables to bypass security measures of users seeking free software. This study outlines a methodology for safe isolation, extraction and analysis of suspicious payloads downloaded via torrents to better understand risks of executing untrusted files.

## Outline

The main goal of our study is to highlight how easy it is to obtain pirated software applications but also how it might lead to compromise of the user's device, their data or possibly their funds of their cryptocurrency wallets or bank accounts.

For this study, we selected two well-known file-sharing platforms (BitTorrent trackers), The Pirate Bay and LimeTorrents and searched for the top 100 most popular downloads on each.

Our testing process involved first setting up a secure and quarantined testing space. This allowed us to safely open and inspect the downloaded files without any risk of malware spreading to our actual computer or our home network. It also ensured that every file was tested under identical, clean conditions.

Analyzing each sample involves a few fairly simple steps and all of them can be reproduced by regular users to greatly improve their chances of not getting infected if they still decide to obtain software through this way.

Our specific setup used a standard version of Windows running inside a virtual machine (a simulated computer inside a real computer) alongside a custom automation program to handle most of the repetitive testing steps automatically.

The first step was to obtain the software we wanted to analyze, using the qBittorrent<sup>1</sup> app to download the files. Once downloaded, the files were automatically scanned by our custom automation program. We focused our analysis primarily on runnable program files (executables), or files that had been modified by the torrent creators to potentially hide harmful malware.

For future reference, we used the Wayback Machine, a service provided by the non-profit organization Internet Archive. This tool captured a digital snapshot of the exact download pages at the time of our analysis. These snapshots allow us to revisit and reference the exact state of the website in our study, even if the original pages are later changed or taken offline.

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<sup>1</sup> qBittorrent is one of the most popular and free applications used to download torrents.

After a successful snapshot we upload certain files matching our filters for analysis to VirusTotal. This service provides a standardized way of analyzing our samples with over 70 antivirus scanners and the community can also vote on each sample, marking it either harmless or malicious.

Our analysis process also included other measurements, such as extracting the text content from the samples. This text often contains IP addresses or domain names for servers used by the attackers to secretly download secondary malicious files.

All of our findings were stored, categorized and later used for further analysis. These results are presented in a clear, easy to read format in the **Analyzed samples** sections of this document on page **22**.

# The Persistence of BitTorrent in Software Piracy

Despite the rise of legitimate subscription models the BitTorrent protocol remains a primary vector for online software piracy. The main two factors are the protocol's architecture and the economics.

## Reasons for continued use

Traditional client server distribution requires a massive bandwidth and centralized hosting, which creates one central weak spot. Supporting the bandwidth is costly and prone to legal takedowns. BitTorrent utilizes P2P swarm where users download and upload file chunks simultaneously effectively taking the costs down to zero. The decentralized nature makes it practically impossible for authorities to completely eradicate a file once it is well seeded. Because downloaders pull data from multiple peers simultaneously, highly seeded software (e.g., cracked operating systems or popular games) can be downloaded at speeds that rival or exceed premium direct-download services.

## The cons

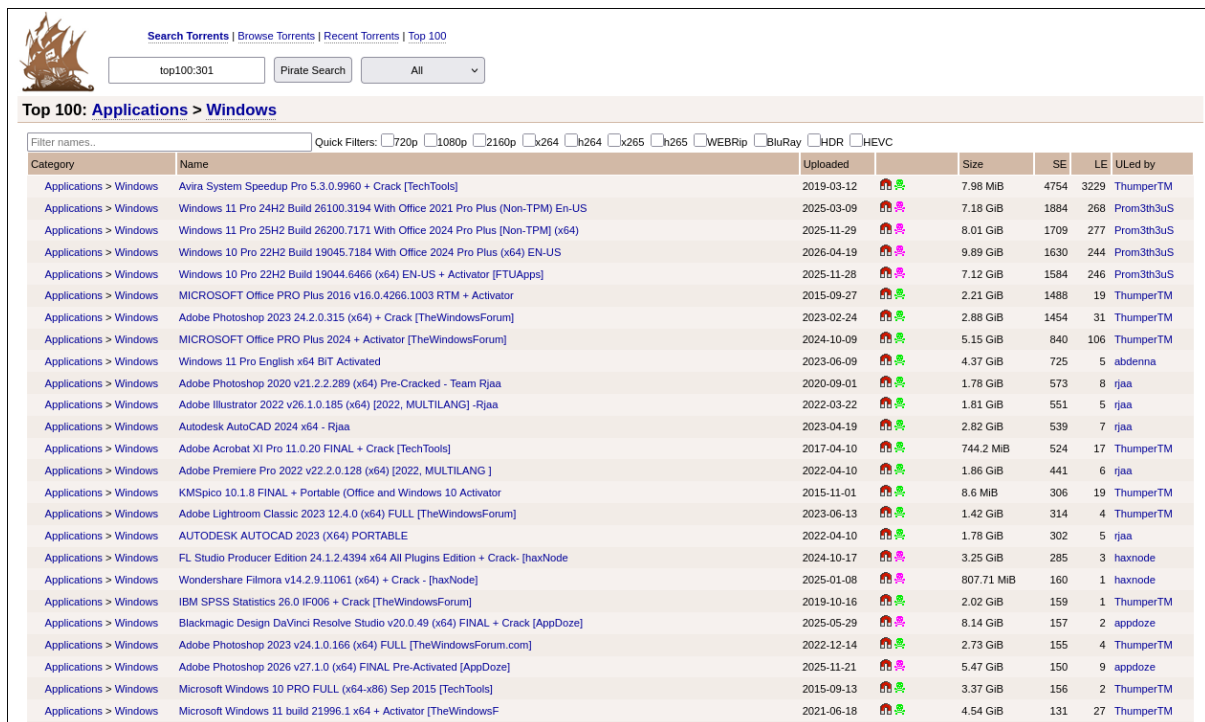
Because there is no centralized quality control or authentication, malicious actors can easily inject trojans, ransomware, or cryptominers into heavily demanded software executables. Older or niche software inevitably suffers from "link rot" in a P2P network. If no peers are seeding the complete file, the download cannot be completed.

# Torrent Trackers

In our study we have elected to analyze torrents from two different trackers.

## The Pirate Bay (TPB)

- History:** Founded in 2003 by the Swedish pro-piracy think tank *Piratbyrån*, TPB is the most infamous file-sharing site in internet history. It survived a massive police raid in 2006, the imprisonment of its founders, and continuous ISP blocks. It achieves this by constantly rotating domains and operating behind proxies.
- Why it is popular:** TPB is a cultural icon of digital defiance. It acts as a massive, largely uncurated index. TPB is the perfect baseline because its sheer volume and lack of strict moderation make it highly susceptible to malicious uploads, representing the raw edge of P2P file sharing.



Search Torrents | Browse Torrents | Recent Torrents | Top 100

top100:301 Pirate Search All

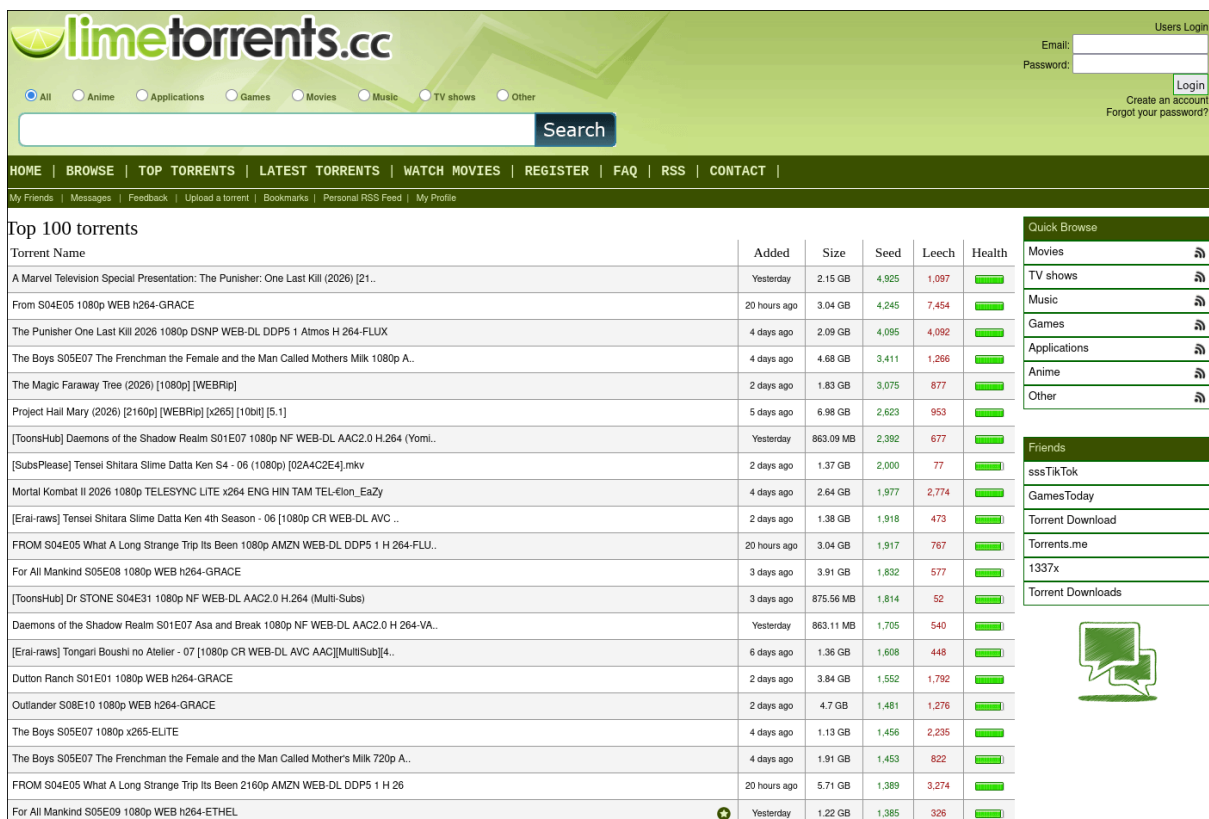
**Top 100: Applications > Windows**

Filter names... Quick Filters:  720p  1080p  2160p  k264  h264  k265  h265  WEBRip  BluRay  HDR  HEVC

Category	Name	Uploaded	Size	SE	LE	ULed by
Applications > Windows	Avira System Speedup Pro 5.3.0.9960 + Crack [TechTools]	2019-03-12	7.98 MiB	4754	3229	ThumperTM
Applications > Windows	Windows 11 Pro 24H2 Build 26100.3194 With Office 2021 Pro Plus (Non-TPM) En-US	2025-03-09	7.18 GiB	1884	268	Prom3th3uS
Applications > Windows	Windows 11 Pro 25H2 Build 26200.7171 With Office 2024 Pro Plus (Non-TPM) (x64)	2025-11-29	8.01 GiB	1709	277	Prom3th3uS
Applications > Windows	Windows 10 Pro 22H2 Build 19045.7184 With Office 2024 Pro Plus (x64) EN-US	2026-04-19	9.89 GiB	1630	244	Prom3th3uS
Applications > Windows	Windows 10 Pro 22H2 Build 19044.6466 (x64) EN-US + Activator [FTUApps]	2025-11-28	7.12 GiB	1584	246	Prom3th3uS
Applications > Windows	MICROSOFT Office PRO Plus 2016 v16.0.4266.1003 RTM + Activator	2015-09-27	2.21 GiB	1488	19	ThumperTM
Applications > Windows	Adobe Photoshop 2023 24.2.0.315 (x64) + Crack [TheWindowsForum]	2023-02-24	2.88 GiB	1454	31	ThumperTM
Applications > Windows	MICROSOFT Office PRO Plus 2024 + Activator [TheWindowsForum]	2024-10-09	5.15 GiB	840	106	ThumperTM
Applications > Windows	Windows 11 Pro English x64 BIT Activated	2023-06-09	4.37 GiB	725	5	abdenna
Applications > Windows	Adobe Photoshop 2020 v21.2.2.289 (x64) Pre-Cracked - Team Rjaa	2020-09-01	1.78 GiB	573	8	rjaa
Applications > Windows	Adobe Illustrator 2022 v26.1.0.185 (x64) [2022, MULTILANG] -Rjaa	2022-03-22	1.81 GiB	551	5	rjaa
Applications > Windows	Autodesk AutoCAD 2024 x64 - Rjaa	2023-04-19	2.82 GiB	539	7	rjaa
Applications > Windows	Adobe Acrobat XI Pro 11.0.20 FINAL + Crack [TechTools]	2017-04-10	744.2 MiB	524	17	ThumperTM
Applications > Windows	Adobe Premiere Pro 2022 v22.2.0.128 (x64) [2022, MULTILANG]	2022-04-10	1.86 GiB	441	6	rjaa
Applications > Windows	KMSpico 10.1.8 FINAL + Portable (Office and Windows 10 Activator	2015-11-01	8.6 MiB	306	19	ThumperTM
Applications > Windows	Adobe Lightroom Classic 2023 12.4.0 (x64) FULL [TheWindowsForum]	2023-06-13	1.42 GiB	314	4	ThumperTM
Applications > Windows	AUTODESK AUTOCAD 2023 (X64) PORTABLE	2022-04-10	1.78 GiB	302	5	rjaa
Applications > Windows	FL Studio Producer Edition 24.1.2.4394 x64 All Plugins Edition + Crack - [haxNode]	2024-10-17	3.25 GiB	285	3	haxnode
Applications > Windows	Wondershare Filmora v14.2.9.11061 (x64) + Crack - [haxNode]	2025-01-08	807.71 MiB	160	1	haxnode
Applications > Windows	IBM SPSS Statistics 26.0 IF006 + Crack [TheWindowsForum]	2019-10-16	2.02 GiB	159	1	ThumperTM
Applications > Windows	Blackmagic Design DaVinci Resolve Studio v20.0.49 (x64) FINAL + Crack [AppDoze]	2025-05-29	8.14 GiB	157	2	appdoze
Applications > Windows	Adobe Photoshop 2023 v24.1.0.166 (x64) FULL [TheWindowsForum.com]	2022-12-14	2.73 GiB	155	4	ThumperTM
Applications > Windows	Adobe Photoshop 2026 v27.1.0 (x64) FINAL Pre-Activated [AppDoze]	2025-11-21	5.47 GiB	150	9	appdoze
Applications > Windows	Microsoft Windows 10 PRO FULL (x64-x86) Sep 2015 [TechTools]	2015-09-13	3.37 GiB	156	2	ThumperTM
Applications > Windows	Microsoft Windows 11 build 21996.1 x64 + Activator [TheWindowsF	2021-06-18	4.54 GiB	131	27	ThumperTM

## LimeTorrents

- **History:** Operating for well over a decade, LimeTorrents has maintained a steady presence by frequently shifting its domain structure (using TLDs like .fun, .cc, and .pro) to evade legal pressure.
- **Why it is popular:** Unlike TPB, LimeTorrents attempts a degree of curation. It features a cleaner interface and often utilizes visual markers for "verified" uploaders. It serves as a vital fallback for users when TPB is down.



The screenshot shows the LimeTorrents website interface. At the top, there is a navigation bar with the site logo, a search bar, and a menu with categories like All, Anime, Applications, Games, Movies, Music, TV shows, and Other. A login section is visible on the right with fields for Email and Password, and a 'Login' button. Below the navigation bar, there is a horizontal menu with links for HOME, BROWSE, TOP TORRENTS, LATEST TORRENTS, WATCH MOVIES, REGISTER, FAQ, RSS, and CONTACT. A secondary menu includes links for My Friends, Messages, Feedback, Upload a torrent, Bookmarks, Personal RSS Feed, and My Profile.

The main content area displays a table titled "Top 100 torrents". The table has columns for Torrent Name, Added, Size, Seed, Leech, and Health. The first few rows of the table are as follows:

Torrent Name	Added	Size	Seed	Leech	Health
A Marvel Television Special Presentation: The Punisher: One Last Kill (2026) [21..	Yesterday	2.15 GB	4,925	1,097	
From S04E05 1080p WEB h264-GRACE	20 hours ago	3.04 GB	4,245	7,454	
The Punisher One Last Kill 2026 1080p DSNP WEB-DL DDP5 1 Atmos H 264-FLUX	4 days ago	2.09 GB	4,095	4,092	
The Boys S05E07 The Frenchman the Female and the Man Called Mothers Milk 1080p A..	4 days ago	4.68 GB	3,411	1,266	
The Magic Faraway Tree (2026) [1080p] [WEBRip]	2 days ago	1.83 GB	3,075	877	
Project Hall Mary (2026) [2160p] [WEBRip] [x265] [10bit] [5-1]	5 days ago	6.98 GB	2,623	953	
[ToonsHub] Daemons of the Shadow Realm S01E07 1080p NF WEB-DL AAC2.0 H.264 (Yomi..	Yesterday	863.09 MB	2,392	677	
[SubsPlease] Tensel Shitara Slime Datta Ken S4 - 06 (1080p) [02A4C2E4].mkv	2 days ago	1.37 GB	2,000	77	
Mortal Kombat II 2026 1080p TELESYNC LITE x264 ENG HIN TAM TEL-Eion_EaZy	4 days ago	2.64 GB	1,977	2,774	
[Erai-raws] Tensel Shitara Slime Datta Ken 4th Season - 06 [1080p CR WEB-DL AVC ..	2 days ago	1.38 GB	1,918	473	
FROM S04E05 What A Long Strange Trip Its Been 1080p AMZN WEB-DL DDP5 1 H 264-FLU..	20 hours ago	3.04 GB	1,917	767	
For All Mankind S05E08 1080p WEB h264-GRACE	3 days ago	3.91 GB	1,832	577	
[ToonsHub] Dr STONE S04E31 1080p NF WEB-DL AAC2.0 H.264 (Multi-Subs)	3 days ago	875.56 MB	1,814	52	
Daemons of the Shadow Realm S01E07 Asa and Break 1080p NF WEB-DL AAC2.0 H 264-VA..	Yesterday	863.11 MB	1,705	540	
[Erai-raws] Tongari Boushi no Atelier - 07 [1080p CR WEB-DL AVC AAC][MultiSub][4..	6 days ago	1.36 GB	1,608	448	
Dutton Ranch S01E01 1080p WEB h264-GRACE	2 days ago	3.84 GB	1,552	1,792	
Outlander S08E10 1080p WEB h264-GRACE	2 days ago	4.7 GB	1,481	1,276	
The Boys S05E07 1080p x265-ELITE	4 days ago	1.13 GB	1,456	2,235	
The Boys S05E07 The Frenchman the Female and the Man Called Mother's Milk 720p A..	4 days ago	1.91 GB	1,453	822	
FROM S04E05 What A Long Strange Trip Its Been 2160p AMZN WEB-DL DDP5 1 H 26	20 hours ago	5.71 GB	1,389	3,274	
For All Mankind S05E09 1080p WEB h264-ETHEL	Yesterday	1.22 GB	1,385	326	

On the right side of the page, there is a "Quick Browse" section with a list of categories: Movies, TV shows, Music, Games, Applications, Anime, and Other. Below this is a "Friends" section with a list of users: sssTikTok, GamesToday, Torrent Download, Torrents.me, and 1337x. At the bottom right, there is a "Torrent Downloads" section with a green speech bubble icon.

# Common P2P Malware and User Impact

Torrents with pirated software, video games or cracked operating systems are prime vectors for malware delivery. The most common threats distributed via P2P networks primarily target user credentials and computational resources.

## Information Stealers (InfoStealers)

Infostealers are currently the most dominant threat, they operate silently and scrape user passwords, website log in sessions or cryptocurrency wallets. These infostealers often execute once and upon completion delete themselves making it harder for users to become aware they have been compromised often finding out after their accounts have been breached or fund drained.

## Remote Access Trojans (RATs)

These types of malware provide the attacker a backdoor to the user's device granting them complete administrative control over the infected device. The attackers might monitor the user's screen, webcams, microphones or use the device as a node in a larger botnet to launch large-scale Distributed Denial of Service (DDoS) attacks<sup>2</sup>.

## Ransomware

While more commonly targeted at enterprises this type of malware encrypts user's data and later presents the victim a digital ransom note demanding some form of payment, typically cryptocurrency, in exchange for the decryption keys.

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<sup>2</sup> DDoS attacks flood the victim with traffic originating from many different sources. To mitigate these kinds of attacks a more sophisticated are required as banning a single IP address is insufficient.

## Cryptominers

Attackers hijack the user's CPU and GPU to mine some form of cryptocurrency. The immediate impact is degraded performance, device overheating and increased electricity consumption.

## The Illusion of Security

A common misconception among users of P2P networks is that having an Antivirus (AV) installed guarantees safety when pirating software. In reality relying solely on AV in the context of software piracy is fundamentally flawed.

## User as the Vulnerability

The most significant vulnerability is the user. The instructions to install pirated software typically tell the user to turn off their AV or take out files out of a quarantine. This conditions the user to blindly trust any other software creating false positives thus rendering the AV useless actual embedded malware.

## Evasion and Zero-Day Threats

- **Fileless Malware and LoLBin Abuse:** Advanced threats may not drop a traditional `.exe` file at all. Instead, they exploit "Living off the Land Binaries" (LoLBins). For example, a malicious script embedded in a pirated software installer might hijack legitimate system tools like Windows PowerShell or MSBuild to execute malicious commands directly in the memory. Because the tool executing the command is a trusted part of the operating system, traditional AV often fails to block the behavior.
- **Sandbox Evasion:** Sophisticated malware can detect if it is being scanned by an AV engine or running in a virtual machine. If it detects these environments, it will either stall its execution via a sleep timer or terminate itself to appear benign, only detonating when it confirms it is on a genuine user's machine.

## Real-World Case Studies

### The "CracksNow" Rogue Uploader Campaign

Several torrent sites have banned the account of the popular software uploader CracksNow. The software and cracks were repeatedly flagged as malicious and some came with the GandCrab ransomware. While malicious torrents are nothing new, it's rare for this to happen via a "trusted" uploader. (TorrentFreak)

CracksNow possessed trusted "VIP" status across major indexing platforms, including The Pirate Bay, 1337x, and TorrentGalaxy. Over several months, the account abused its reputation to mass-distribute the **GandCrab ransomware** and various information stealers bundled inside legitimate-looking software patches. This incident was a turning point for the P2P community, demonstrating that threat actors will patiently build account equity over years just to burn it on a massive payload distribution campaign.

### Automated InfoStealer Swarms

Threat actors deploy large-scale automated networks to compromise P2P networks. Using bot accounts, attackers mass-upload thousands of highly sought-after digital assets. These files are laced with modern, fast-executing info-stealers like **LummaC2**, **RedLine**, and **NWHStealer**. The uploaders often employ search engine optimization (SEO) techniques within the trackers to ensure their malicious torrents appear at the top of search queries with faked seeder numbers.

# How Torrent Trackers Combat Malware

Torrent trackers are not entirely lawless; their administrators employ several decentralized and centralized moderation techniques to preserve the integrity of their platforms.

## Public Trackers

To counter anonymous malicious uploaders, public trackers such as TPB and LimeTorrents utilize a visual verification system. TPB uses “VIP” (Pink Skull) and “Trusted” (Green Skull) icons, while others use colored badges. These indicate that the uploader has a long history of uploading clean files.

Some public trackers display a user comment section which is a highly effective, community driven early warning system. When an infected file is uploaded, technical users who analyze it via VirusTotal or sandbox environments will quickly post warnings.

Administrators rely heavily on user report flags. Once a file is confirmed malicious, moderators act retroactively to delete the torrent and ban the uploader's IP and account hash.

## Private Trackers

These kinds of trackers (invite only, specialized communities) offer a drastically more secure environment. Users must maintain a strict upload-to-download ratio to retain access. Because getting invited is highly exclusive, the "cost" of losing an account due to malicious behavior is too high for casual hackers.

On elite private trackers, newly uploaded software files do not go live instantly. They enter a curation queue where specialized staff review the contents, verify the digital signatures, and check for malicious artifacts before the torrent is broadcast to the swarm.



## User-Side Risk Mitigation

While P2P software piracy carries inherent risks, advanced users adopt extensive defense strategies to significantly minimize the probability of infection.

- **Strict Reputational Auditing:** Users can mitigate an estimated 90% of public torrent threats simply by adhering to a strict rule: *never download executable assets from unverified or anonymous uploaders.*
- **File Extension and Volumetric Verification:** Malicious torrents often betray themselves through metadata discrepancies. Attackers frequently use double extensions (e.g., **Photoshop\_Crack.pdf.exe** or **Setup.dmg.exe**) hoping the user has file extensions hidden in their OS settings. Furthermore, checking file size is a crucial defense. A compressed archive claiming to be a 60GB AAA video game that downloads as a 15MB **.exe** file is a definitive indicator of a malicious loader stub.
- **Isolated Virtualization (Sandboxing):** High-risk software acquisition requires strict environment isolation. Secure practices involve executing cracks and keygens inside a temporary virtual machine (using hypervisors like VMware or VirtualBox) or utilizing features like **Windows Sandbox**. If the file detonates an info-stealer or ransomware payload, the damage is completely contained within the volatile virtual machine and wiped upon closing, leaving the host operating system untouched.
- **Pre-Execution Static Analysis (The VirusTotal Framework):** Advanced users don't rely blindly on their desktop AV, instead they upload the contents to VirusTotal prior to launching them. By checking the results the user can preemptively isolate zero-day threats.

## Documented Infection Rates

To establish the baseline threat level of P2P networks, this study draws on comprehensive empirical data from major academic and industrial tracking initiatives.

- **The 99% Weaponization Rate:** In a massive, foundational study analyzing tens of thousands of active torrent files, researchers developed *TorrentGuard* to track file intent. The study revealed that **35% of all analyzed torrents uploaded to public networks were entirely fake**. Crucially, **more than 99% of those fake files were directly linked to malware delivery** or aggressive phishing/scam operations. Furthermore, despite rapid moderator takedowns, the study noted that *every fourth file successfully downloaded* by an average user from these public portals consisted of malicious, fraudulent content (Kryczka et al.).
- **The 43% Software Poisoning Metric:** For users downloading executable binaries—such as cracked productivity suites or operating systems—the numbers become even more severe. Enterprise security firm Bitsight monitored P2P traffic traversing corporate and vendor networks. Their telemetry discovered that **43% of tormented application files** and **39% of tormented video games** contained active, malicious payloads capable of entirely compromising host networks and initiating botnet infections (bitsight).

These high percentages are not accidental or organic; they are the result of highly centralized "swarm poisoning" campaigns run by a remarkably small group of actors.

According to the *TorrentGuard* data, **just 20 distinct publishers (tracked by unique IP groupings) were responsible for injecting over 90% of the malicious and fake files** across the ecosystem.

# Methodology

To safely examine analyzed torrent files, we established a strict, automated analysis pipeline operating from within an isolated environment.

## Environment Setup

Analyzing untrusted files requires a clean, heavily controlled and monitored environment to prevent host and local network compromise. We utilized a hardened Windows Virtual Machine (VM) configured strictly for malware analysis.

- **Network Segmentation:** The VM was deployed on an isolated virtual switch to prevent local network scanning.
- **Hypervisor Artifact Mitigation:** Modern malware often uses anti-analysis techniques such as checking for artifacts like VMware tools, Virtualbox drivers or specific MAC addresses to avoid executing malicious payloads while under observation. We changed the VM's configuration files to hide these signatures.
- **Disabled Integrations:** Host to guest integrations, such as shared folders, drag-and-drop and shared clipboards were completely disabled to prevent guest to host escapes and as mentioned in previous point these features usually require easy to spot drivers.
- **Snapshotting:** After each analysis the VM was restored to a clean state using snapshots.

## Automated Static Analysis Pipeline

We elected to strictly analyze samples using static analysis rather than dynamic analysis, this comes from the decision to not focus on what each sample does but more broadly understand the landscape. We developed a custom script to parse downloaded executables without executing them and relied on mathematically derived metrics and heuristic indicators of compromise.

The following pseudo-code represents our scripts, our implementation used TypeScript with the Bun runtime for ease of development and the option to bundle into a simple executable.

```
main(samplePath){
    var sha256 = calculateSha256(samplePath);
    var entropy = calculateEntropy(samplePath);
    var vtResult = scanWithVirusTotal(sha256);
    var strings = extractStrings(samplePath);
    writeToFile(sha256,entropy,vtResult,strings);
}
```

The script first calculates a SHA-256 of the provided sample which is later used for sending to VirusTotal and as a unique identifier for the results.

The next step is to calculate the entropy. The previously calculated SHA-256 is used to obtain results from VirusTotal, we pick out the most important data to us such as how many community votes the sample has received or how many virus engines have found the sample to be malicious.

All of the collected data is then stored to an output file and later used for the analysis. When storing the output data we also take a snapshot of the current state of the webpage we used to obtain the torrent file. For this we use the Wayback Machine which is designed to preserve websites, images, videos or any other form of data in an immutable way which can be later used as a reference in the case of the original being deleted.

## VirusTotal vs. Alternative Solutions

In static analysis, the choice of scanning and aggregation tools heavily dictates the validity of the findings. VirusTotal (VT) was selected as the primary analytical engine over alternatives due to its breadth of consensus and standardization of static metadata.

### How does it work

VirusTotal acts as an aggregator, pushing submitted files and URLs through more than 70 distinct antivirus engines and blocklisting services. It strips the executable to extract static metadata without executing the payload.

### Alternatives

Malware sandboxes are exceptional tools for *dynamic*, interactive analysis. They execute the malware in a virtual machine to monitor network traffic, registry changes, and API calls in real-time. Our research focuses on *static* analysis proving VirusTotal to be a perfect fit for us.

## Methodological Boundaries

While reverse engineering and disassembling malicious payloads provide the deepest possible understanding of a malware's inner workings, it was deliberately excluded from the scope of this study in favor of bulk static analysis.

### Why Disassembly was Bypassed

- **Scalability:** Disassembling an executable (converting machine code back into assembly language using tools like IDA Pro or Ghidra) is an intensely manual, time consuming process. Given that the methodology involved downloading a large volume of torrents to establish statistical trends, manual reverse engineering would severely bottleneck the sample size.
- **Scope of the Study:** The primary objective was to observe the distribution metrics, detection rates, and surface-level indicators (entropy and plain-text

strings) of infected P2P software, rather than mapping the specific API calls or logic flow of individual payloads.

## The Barrier of Obfuscation

Malware authors actively anticipate disassembly and employ sophisticated obfuscation techniques to make research and detection more complex. These techniques make static disassembly virtually impossible without first pivoting to dynamic execution.

- **Packers and Crypters:** Tools like UPX, Themida, or custom runtime packers compress and encrypt the original malicious code. The executable only decrypts itself in the system's memory at runtime. Disassembling the file on disk only reveals the decompression stub, not the actual malware and this is the reason why we also included entropy as one of our metrics.
- **Junk Code Insertion:** Injecting meaningless "dead code" to bloat the file size and confuse the reverse engineer or automated analysis engines.

# Payload Classification and Ground Truth Establishment

Relying on a single, isolated antivirus engine introduces structural biases and gaps in signature coverage. We elected to use VirusTotal's aggregated framework for three primary reasons.

- **Diverse Detection Methodologies:** The integrated engines utilize distinct, complementary approaches—ranging from traditional static byte-sequence signatures to heuristic behavior analysis and cloud-based machine learning models. This multi-layered coverage ensures that variants utilizing novel packing methods are captured by engines specialized in generic unpackers or dynamic heuristics.
- **Continuous Synchronization:** Threat definitions are updated in near-real-time across the platform's infrastructure. This minimizes the "window of vulnerability" often found in localized setups, ensuring that newly discovered malware strains active in BitTorrent swarms are evaluated against the most current global definitions.
- **Academic and Industry Standard:** Utilizing multi-engine aggregation as a ground-truth labeler is an established methodology in peer-reviewed cybersecurity literature (Choo et al.). It eliminates subjective, manual classification biases and provides a highly reproducible testing framework.

## Mitigation of False Positives

A primary concern when utilizing automated scanning platforms is the risk of false positives, where legitimate software, such as game cracks, cracked productivity tools, or administrative utilities common on BitTorrent networks, is mistakenly flagged as malicious.

We have employed enforcing a threshold strategy with multiple confidence layers. Later in the document we describe the specified levels and how we filtered out certain flags and what it meant for the final results. A sample meeting the highest confidence layer represents a consensus verdict among competing security vendors, giving us certainty that the analyzed samples contain genuinely malicious, non-benign artifacts.

Statistically, if each engine has an independent ~3% false-positive rate, the chance two engines **both** false-flag the same file is about 0.09% (resec). Requiring  $n$  engines to agree makes that probability drop exponentially (e.g. 0.027% for three engines). In contrast, detection (true-positive) rates improve: combining two independent AVs can reduce the malware escape rate from ~0.6% to 0.0036%. This means even one or two uncorrelated engines missing malware becomes extremely unlikely as more are added.

Modern AV engines rely on multiple detection technologies including:

- static signature matching,
- heuristic analysis,
- behavioral monitoring,
- machine learning classification,
- cloud reputation systems,
- sandbox execution

These systems are trained on enormous datasets of known malware samples and suspicious behavioral patterns. As a result, detections are usually based on observable technical indicators rather than arbitrary assumptions.

However, isolated detections are fundamentally different from broad multi-engine consensus. If only one or two antivirus vendors flag a file as a “HackTool” or “Patcher,” the result may indeed represent a benign crack triggering heuristic rules. In contrast, when dozens of independent engines classify the same sample as a trojan, downloader, stealer, or ransomware family, the probability of a false positive becomes significantly lower.

This distinction is especially important in platforms such as VirusTotal, where files are scanned by over 70 separate security vendors using independent detection models. A sample flagged by 30–50 engines, particularly when combined with suspicious behaviors such as:

- sandbox evasion,
- network beaconing,
- payload downloading,
- registry persistence,
- code obfuscation,
- or credential harvesting

should be treated as highly suspicious regardless of claims that it is “only a crack.”

In practical terms, antivirus engines are not infallible, but large-scale detection consensus remains one of the strongest publicly available indicators that a file is genuinely malicious rather than merely intrusive.

## Why False Positives Occur

Modern endpoint detection tools have evolved past basic static byte-matching (SHA-256 signatures) (Huntress). They heavily rely on **heuristic and behavioral analysis** to catch zero-day threats.

Legitimate software often mirrors the exact behavioral patterns of malware. For instance, a benign software updater, an administrative remote-access tool, or a BitTorrent digital rights management (DRM) bypass (“crack”) must inject code, modify registry keys, or establish low-level network hooks.

Many legitimate developers compress or pack their executables using tools like UPX to reduce file sizes or protect their intellectual property. However, because malware authors use those exact same packing tools to hide payloads, security engines frequently issue blanket generic verdicts (e.g., **Generic.Packer.UPX**) purely based on the file wrapper, ignoring whether the payload inside is benign.

## Analytical Metrics and Indicators

Our script extracted several core metrics from each analyzed sample to determine its threat level.

### Cryptographic Hashing (SHA-256)

**What it is:** SHA-256 (Secure Hash Algorithm 256-bit) is a cryptographic algorithm that processes file's content and outputs a fixed length unique 64-character string.

**Why it is used:** A hash acts as a digital finger print of sorts for a file. Even if the threat actor changes the filename the SHA-256 hash stays the same. The hash is also used for querying a threat intelligence database, VirusTotal, to see if the global cybersecurity community has already analyzed and flagged this exact file.

### Shannon Entropy

**What it is:** In computing entropy is used to measure the degree of randomness or unpredictability of data within a file, it is calculated on a scale from 0 to 8. Standard, uncompiled English text has low entropy, while heavily randomized data would typically reach an entropy of 8.

**Why it is used:** Legitimate, uncompressed executables usually have moderate entropy anywhere between 4.0 and 6.0. An unusually high entropy score, typically above 6.5 or 7.0 would suggest the file has been compressed, packed or encrypted. Malware authors frequently use "packers" to obfuscate their code, hiding the malicious payload from traditional signature based antivirus scanners.

### Strings

**What it is:** In computing *strings* are sequences of printable characters embedded within a binary file. The extracting tools parse a file, skip non-printable machine code. By default they look for sequences of at least 4 characters that end in a null terminator or a newline.

**Why it is used:** Extracting strings is a foundational step in static analysis and it allows us to peek inside a program without actually running it. It can reveal Network indicators such as IP addresses, URLs or domains used for Command & Control (C2)

communication . File paths of where the program might store logs, drop payloads or look for various files.

Our script looked for these four criteria:

- **hasShell (Command Execution):** Triggered by strings like powershell, `cmd.exe` or `sh`. This indicated the executable attempts to interface directly with the command line.
- **hasNetwork (C2 communication):** Triggered by `http://` or `https://`. While common in legitimate software, in cracked executables this often points to the malware fetching additional payloads from external servers or establishing C2 beacons.
- **hasCrypto (Obfuscation):** Triggered by terms like Encrypt, Decrypt, AES, or RSA. The presence of cryptographic libraries in a simple software crack strongly correlates with ransomware behavior or secure communication with a C2 server.
- **hasRegistry (Persistence Mechanisms):** Triggered by paths such as `Software\Microsoft\Windows\CurrentVersion`. Malware heavily targets this registry path (specifically the Run or RunOnce keys) to ensure the malicious payload automatically survives a system reboot.

## The Selection of Static Over Dynamic Analysis

In our investigation into distribution of malware via torrent networks selecting the appropriate analysis was critical. As stated before we elected to rely exclusively on static analysis. While dynamic analysis can provide deep insights into how a malicious program interacts with a system, several significant constraints made it impractical for the scope of this study.

### Time and Scalability

The most prohibitive factor against dynamic analysis was time and manpower. Dynamic analysis is an inherently slow and complicated process. To safely observe a piece of malware, it must be run inside a sandbox, the same way we used sandboxes for our static analysis, however each sample must be executed. This step is mostly manual as it would require us to follow the installation instructions. To fully understand how the sample behaves it must be monitored for a significant amount of time, minutes or even hours. After collecting every single change, action, network request, etc that happened during

the observation the sandbox has to be wiped and the data manually analyzed. Modern Windows installs are extremely noisy making the analysis even more complex. When multiplied by the amount of samples we wanted to analyze, the data collecting step would quickly turn into months of continuous processing. Static analysis, by contract, can extract essential indicators of compromise in fractions of second per file.

## Initial Testing and Tool Limitations

Before finalizing our methodology, we conducted a pilot phase where we explored a hybrid approach using several industry-standard tools:

- **Detect-It-Easy (DIE):** We utilized this static tool to quickly identify file types and determine if the malware was "packed." Packing is a technique malware authors use to compress or scramble their code to hide it from antivirus software. DIE was highly effective for quick triage.
- **Ghidra:** We explored using Ghidra, an advanced software reverse-engineering suite developed by the NSA. While incredibly powerful for taking apart a program's code line-by-line (a form of deep static analysis), it requires significant manual effort and time per sample, making it unsuited for bulk analysis.
- **CAPE Sandbox:** We attempted to automate dynamic analysis using CAPE (Configuration and Payload Extraction), a highly regarded open-source sandbox. While CAPE is excellent at what it does, we immediately ran into the scalability bottlenecks mentioned above.

Ultimately, the sheer volume of samples acquired from torrent ecosystems required an approach that prioritized speed, safety, and automated scalability. By utilizing static analysis we were able to process the entire dataset efficiently while still extracting the high-confidence data required to draw meaningful conclusions for this study.

## Our initial analysis pipeline

Before executing or decompiling any binary, we utilized DIE to determine the file's architecture, compiler, and the presence of any packers or obfuscation layers. This step remained largely the same in the actual pipeline we ended up using.

The next step was to load samples into Ghidra. We utilized Ghidra's automated analysis to parse the PE (Portable Executable) headers, map functions, and generate pseudo-C code using its built-in decompiler. The goal was to identify hardcoded Strings, API import tables, and command-and-control (C2) infrastructure markers.

To observe the malware's runtime behavior, samples were submitted to our CAPE environment.

Ultimately, this approach did not produce actionable telemetry for the broader scope of this study.

## Example result

The analyzed sample uses an advanced packer or a crypter to evade traditional antivirus signatures.

- DIE flagged Anomalous resources. This indicates a presence of an encrypted payload, likely an actual malware, hidden within the resource section of the analyzed sample.
- The analyzed sample modified the following registry `\REGISTRY\USER\S-1-5-21-2714754311-527593155-1440850301-1000_Classes\WOW6432Node\CLSID\{018D5C66-4533-4307-9B53-224DE2ED1FE6}\Instance\`. This CLSID is associated with Microsoft OneDrive. By modifying the "Instance" subkey, the malware attempts to hijack the OneDrive shell extension. This allows the malicious code to be executed automatically by explorer.exe whenever the user interacts with the file system, providing a stealthy method of persistence that survives reboots.

## MITRE ATT&CK

- T1082 System Information Discovery
- T1614 System Location Discovery
- T1614.001 System Language Discovery

## Conclusion

The analyzed sample is possibly a Trojanized Loader. The dormant or "clean" appearance to many scanners is indicative of modern credentials stealers or ransomware droppers as also suggested by the registry persistence and sandbox evasions.

## Case Study: “Avira System Speedup Crack”

To illustrate the effectiveness of this pipeline, we can observe a sample drawn from the torrent network, advertised as a cracked version of “Avira System Speedup.”

The analysis yielded the following data points:

- **File Name:** Avira System Speedup Crack.exe
- **SHA-256 Hash:**  
2e0ae36d94bc3bf0557e8234b1e82c1bf5d6d4510cfe69126bc50c757e4b3dbe
- **Entropy:** 6.37
- **VirusTotal Detection:** 37 out of 72 security vendors flagged the file as malicious.
- **Community Verdict:** Inconclusive (1 malicious and 1 harmless vote)
- **Heuristic Flags:** hasShell, hasNetwork, hasCrypto, hasRegistry

### Analysis of the Sample:

Despite masquerading as a system utility crack, the static analysis overwhelmingly points to malicious intent. A VirusTotal score of 37/72 confirms its widespread recognition as malware. The entropy score of 6.37 is moderately high, suggesting potential code obfuscation or packing.

Most alarmingly, the string analysis triggered all four heuristic flags. The combination of network capabilities, shell execution, registry manipulation, and cryptographic functions within a single “crack” executable strongly suggests a sophisticated payload. This behavioral profile is consistent with ransomware or a remote access trojan (RAT) that establishes persistence via the registry, communicates over the network, and utilizes cryptography to lock user files or hide its traffic.

## Analyzed samples

We have analyzed a wide range of applications from the most popular torrents (as of writing) on popular torrent trackers **piratebay** and **limetorrents**. Some of the analyzed softwares are Microsoft Office, Adobe Photoshop or Adobe Acrobat.

For each torrent file we tried to identify files users would either be told to execute or copy paste into the installation directory to crack the application.

Usually users were told to install applications as if they obtained them legally, after they would run a specialized crack executable. Another approach was to copy Dynamically Linked Library (DLL) files or alternatively patched executables.

The following tables contain the names of analyzed samples, their SHA-256 hash, link to an archived version of the website we used to obtain the torrent files. The last row contains the entropy, VirusTotal score at the time of analysis, the VirusTotal community score at the time of analysis and the results of checking for strings containing Shell, Network, Crypto and Registry.

### Microsoft office

We have analyzed 23 samples in total and 6 were flagged containing at least one possible malware finding.

<b>setup.exe</b>						
<a href="#">2cae07a5ffae3a8b4cac401750c9345f52baald282fe0ee7ledd57552270b6le</a>						<a href="#">archive</a>
En: <b>3.14946</b>	VT: <b>1/70</b>	Com: <b>1/7</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

**setup32.exe**

<a href="#">1ce1bdb84a08c1225b382c2043820091004efe76452833b6bdce54365e20ba56</a>						<a href="#">archive</a>
En: <b>6.58645</b>	VT: <b>0/72</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>setup64.exe</b>						
<a href="#">6e188011a060831757da0ab9b5e849f9d48f897836c53a931136fd50cef13c29</a>						<a href="#">archive</a>
En: <b>6.25385</b>	VT: <b>0/71</b>	Com: <b>0/5</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>KMSAUT~1.EXE</b>						
<a href="#">69a8ae6352cffd366409df8e566e84315b4bffcf5865a4b8079c446123ba1d26</a>						<a href="#">archive</a>
En: <b>7.08023</b>	VT: <b>37/62</b>	Com: <b>92/311</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>KMS_VL_ALL_AIO_v53.cmd</b>						
<a href="#">e6fb3d61504524a484044122401317e89a9e5bd783d79d11dba19db7edead44</a>						<a href="#">archive</a>

En: <b>6.01268</b>	VT: <b>32/61</b>	Com: <b>5/3</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>setup.exe</b>						
<a href="#">03feb1535f7b14b2aa20707a9889dd5905d24582a6a0a0a406f1175819d3e75a</a>						<a href="#">archive</a>
En: <b>6.55234</b>	VT: <b>0/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Office 365 Setup.cmd</b>						
<a href="#">d9bad799edf54f91bbc4cf2151ba910bf179d6c9174e175400543b76f2dbb06f</a>						<a href="#">archive</a>
En: <b>4.95168</b>	VT: <b>0/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Microsoft Office 2010 Powerpoint x64 64bit.iso</b>						
<a href="#">98b6ab2a7elcad63efd31f4d320c250f80ael4099883ealf7414db644b62bea7</a>						<a href="#">archive</a>
En: <b>7.93045</b>	VT: <b>0/48</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup.exe</b>						
<a href="#">a9698cd1db7c8f96658cb34abcfa02589131c16b09dc0f7bf5d161f66379080c</a>						<a href="#">archive</a>
En: <b>5.01800</b>	VT: <b>0/72</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup64.exe</b>						
<a href="#">8fe6926e83e4edabd2704e5c55a7584a059c9b396e941c8612d8ada016b2f48d</a>						<a href="#">archive</a>
En: <b>6.58540</b>	VT: <b>0/72</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup32.exe</b>						
<a href="#">695631fdd5de4b53fecc0fdb82bee8aa73d376e7cbf50c099c034dd2933albfc</a>						<a href="#">archive</a>
En: <b>6.58540</b>	VT: <b>0/73</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>MAS_AIO-CRC32_8C3AA7E0.cmd</b>						
<a href="#">d666a4c7810b9d3fe9749f2d4e15c5a65d4ac0d7f0b14a144d6631ce61cc5df3</a>						<a href="#">archive</a>

En: <b>5.68395</b>	VT: <b>19/61</b>	Com: <b>3/3</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>KMS_VL_ALL_AIO.exe</b>						
<a href="#">2ce96dd0e86edbad2d62af8ccd66247fcbaa928ffd47eff08db131254ce7e74</a>						<a href="#">archive</a>
En: <b>6.71926</b>	VT: <b>52/71</b>	Com: <b>2/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Check_Activation_Status.cmd</b>						
<a href="#">b808591c2933f483149c0f46101fd9649baalabbf5a9f1b1cd770c0ff6c97be0</a>						<a href="#">archive</a>
En: <b>5.61628</b>	VT: <b>0/60</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>MAS_AIO_3.11.cmd</b>						
<a href="#">419975aac5c6c1159542f4feb48b723c6c867fa2flacfbcla454c8415dc28f72</a>						<a href="#">archive</a>
En: <b>5.47645</b>	VT: <b>11/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>setup.exe</b>						
<a href="#">6cd73bc9ec16e9dd1eb07493c464a0537f82d5096bae20f04c41cf5486ce9b88</a>						<a href="#">archive</a>
En: <b>6.61030</b>	VT: <b>0/62</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Office 365 Setup.cmd</b>						
<a href="#">406f3c99b48cc9d38ca81139e6d17233e5e5bd65403321c5be368e73623fe02e</a>						<a href="#">archive</a>
En: <b>4.94322</b>	VT: <b>0/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Activation.pkg</b>						
<a href="#">083b505d9ac880629d7ef560e2baaaf59343721ac7e892be737a2403d7a63de1</a>						<a href="#">archive</a>
En: <b>7.98538</b>	VT: <b>0/61</b>	Com: <b>1/6</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>msvcr100.dll</b>						
<a href="#">60c06e0fa4449314da3a0a87cla9d9577df99226f943637e06f61188e5862efa</a>						<a href="#">archive</a>

En: <b>6.90157</b>	VT: <b>0/71</b>	Com: <b>16/41</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>cleanospp.exe</b>						
<a href="#">04ba4487f95290e0b0557b44300c18f637fbaf0872ee96e3111013b8a1539f25</a>						<a href="#">archive</a>
En: <b>6.31517</b>	VT: <b>0/72</b>	Com: <b>0/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Check_Activation_Status.cmd</b>						
<a href="#">b808591c2933f483149c0f46101fd9649baalabbf5a9f1b1cd770c0ff6c97be0</a>						<a href="#">archive</a>
En: <b>5.61628</b>	VT: <b>0/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>setup.exe</b>						
<a href="#">670487a863512962a964da9f8dcce00052f65a26f2676880e7eb74ad464ba104</a>						<a href="#">archive</a>
En: <b>6.57138</b>	VT: <b>0/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Office 365 Setup.cmd</b>						
<a href="#">e06b4a8dfe0aal886028b6a2b75dc8b90298f8d5630632e162ecc1be91169221</a>						<a href="#">archive</a>
En: <b>4.94325</b>	VT: <b>0/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Check_Activation_Status.cmd</b>						
<a href="#">b808591c2933f483149c0f46101fd9649baalabbf5a9f1b1cd770c0ff6c97be0</a>						<a href="#">archive</a>
En: <b>5.61628</b>	VT: <b>0/60</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>MAS_AIO_3.11.cmd</b>						
<a href="#">419975aac5c6c1159542f4feb48b723c6c867fa2flacfbcla454c8415dc28f72</a>						<a href="#">archive</a>
En: <b>5.47645</b>	VT: <b>11/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>setup.exe</b>						
<a href="#">6cd73bc9ec16e9ddleb07493c464a0537f82d5096bae20f04c41cf5486ce9b88</a>						<a href="#">archive</a>

En: <b>6.61030</b>	VT: <b>0/62</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>Office 365 Setup.cmd</b>						
<a href="#">406f3c99b48cc9d38ca81139e6d17233e5e5bd65403321c5be368e73623fe02e</a>						<a href="#">archive</a>
En: <b>4.94322</b>	VT: <b>0/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Activation.pkg</b>						
<a href="#">083b505d9ac880629d7ef560e2baaaf59343721ac7e892be737a2403d7a63de1</a>						<a href="#">archive</a>
En: <b>7.98538</b>	VT: <b>0/61</b>	Com: <b>1/6</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>msvcr100.dll</b>						
<a href="#">60c06e0fa4449314da3a0a87c1a9d9577df99226f943637e06f61188e5862efa</a>						<a href="#">archive</a>
En: <b>6.90157</b>	VT: <b>0/71</b>	Com: <b>16/41</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>cleanospp.exe</b>						
<a href="#">04ba4487f95290e0b0557b44300c18f637fbaf0872ee96e3111013b8a1539f25</a>						<a href="#">archive</a>
En: <b>6.31517</b>	VT: <b>0/72</b>	Com: <b>0/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Check_Activation_Status.cmd</b>						
<a href="#">b808591c2933f483149c0f46101fd9649baalabbf5a9f1b1cd770c0ff6c97be0</a>						<a href="#">archive</a>
En: <b>5.61628</b>	VT: <b>0/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Adobe Photoshop

We have analyzed 36 samples in total and 16 were flagged containing at least one possible malware finding.

<b>Photoshop.exe</b>						
<a href="#">0b3a173c70e9c7c69af181286c43b5d01a88cfe3d146f6257018ea38b4b03443</a>						<a href="#">archive</a>
En: <b>6.63082</b>	VT: <b>1/67</b>	Com: <b>0/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">24d2666c00ecd02350af0d70c8a9b71ed2bf0ce2553e61506fclcbba0a9156b3</a>						<a href="#">archive</a>
En: <b>6.43392</b>	VT: <b>2/70</b>	Com: <b>17/24</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">b9a187b59c758ead0022e50bbaae4133d2e37b769a054249afc0b6aa2e26774d</a>						<a href="#">archive</a>
En: <b>6.42908</b>	VT: <b>0/66</b>	Com: <b>18/27</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">4460dd8114b5609ea4e9644a659de0f5b188696d27dc8846d633628b3ade7c31</a>						<a href="#">archive</a>
En: <b>6.43393</b>	VT: <b>1/70</b>	Com: <b>51/143</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Photoshop.exe</b>						
<a href="#">6a1c8e092b7955d1df9875fbb7c0cd68bc30d799c6b9c3fda2f4f3755bef3c3b</a>						<a href="#">archive</a>
En: <b>6.62107</b>	VT: <b>1/70</b>	Com: <b>1/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobePatchInstaller.exe</b>						
<a href="#">011a0e9487b2f387ff11e96d62023bf58dd16443fdb129b15285d0707701746c</a>						<a href="#">archive</a>
En: <b>7.00565</b>	VT: <b>0/72</b>	Com: <b>0/22</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>amtlib.dll</b>						
<a href="#">f7c93c9f262a94360ecef3725ed20dc3b43bfad4243ab3fdaf5b8e56222e3f54</a>						<a href="#">archive</a>

En: <b>6.32304</b>	VT: <b>0/71</b>	Com: <b>378/1338</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>amtlib.dll</b>						
<a href="#">e1189544e7fe546133d119a141fd1ec74afed2317c7dfb211c2b779887c03e</a>						<a href="#">archive</a>
En: <b>6.68674</b>	VT: <b>0/71</b>	Com: <b>534/1416</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">c2802a86bfbb37288f00d03425a60e0efd60db9ed113ff39c4e6df0efba66a5d</a>						<a href="#">archive</a>
En: <b>5.90885</b>	VT: <b>0/70</b>	Com: <b>45/167</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>updaterinventory.dll</b>						
<a href="#">25df5b89e67dff662889f4cb971ed187a5edd79cb17078034b194f7102d28a85</a>						<a href="#">archive</a>
En: <b>6.50789</b>	VT: <b>0/72</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobePIM.dll</b>						
<a href="#">48140a6d158c3da0e42bd745405360917241c5d52c779d97501e218c205042fa</a>						<a href="#">archive</a>
En: <b>6.63821</b>	VT: <b>0/56</b>	Com: <b>0/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">582536081e67975055ccf8de5353502d7bda56f2aafcbefbb400f3d9012019c9</a>						<a href="#">archive</a>
En: <b>6.36856</b>	VT: <b>0/71</b>	Com: <b>16/55</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobePIM.dll</b>						
<a href="#">b10756942a010d67ae7d01fe759d9e94261d2f93cdf7bdb971fc78c146d0674a</a>						<a href="#">archive</a>
En: <b>6.66688</b>	VT: <b>0/72</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">65e076a8e2e20cdadee7f0ef907a1ca1860345412ffe94603cfa8f0d29fec08</a>						<a href="#">archive</a>

En: <b>6.34222</b>	VT: <b>0/69</b>	Com: <b>1/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>oem.exe</b>						
<a href="#">c72e51f10ad3fd7b7231bda95e0a938e381a4a119b70b7c6d73c73c2ec163381</a>						<a href="#">archive</a>
En: <b>6.76147</b>	VT: <b>0/71</b>	Com: <b>2/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Photoshop.exe</b>						
<a href="#">a7bb90034ddacbc8d8d77aa0adb40719da92ea48a40cd39f5b5462c73a299c5a</a>						<a href="#">archive</a>
En: <b>6.72313</b>	VT: <b>1/70</b>	Com: <b>5/12</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">3d20655679c8829a6baad001851905927ef1b826e3eea594b7be3f8331211e39</a>						<a href="#">archive</a>
En: <b>6.43080</b>	VT: <b>0/71</b>	Com: <b>8/14</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">b72bf33ae94f3e91acc279c2a106382762ccc5bc0e7e7a02a148d4ef53leea92</a>						<a href="#">archive</a>
En: <b>6.43388</b>	VT: <b>37/71</b>	Com: <b>5/3</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobeGenP.exe</b>						
<a href="#">cf3bf1973ed8a75fc816781cd39dd19f8c2c72f27a50d7506ada4e7c87b5913a</a>						<a href="#">archive</a>
En: <b>7.81775</b>	VT: <b>50/71</b>	Com: <b>2/8</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>

En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>Set-up.exe</b>						
<a href="#">50c728125c297e0bd5eaada1364e8ba6eb1089ec2a346853674cd61c87d02633</a>						<a href="#">archive</a>
En: <b>6.43391</b>	VT: <b>20/71</b>	Com: <b>10/11</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobePIM.dll</b>						
<a href="#">7917708a9f343067e01242423eaa73ae981e20ce07ace6274fdcc71ee2b03b51</a>						<a href="#">archive</a>
En: <b>6.68496</b>	VT: <b>0/70</b>	Com: <b>2/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">732cea9b7e280d864e7134d27b8b8384d44c09100d6557aedfc17841838e3f3e</a>						<a href="#">archive</a>
En: <b>6.58014</b>	VT: <b>1/70</b>	Com: <b>5/13</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>amtlib.dll</b>						
<a href="#">9b510f38acb2a70c840b17a9fed2584f08bf38395f087212dd41b059f791126f</a>						<a href="#">archive</a>
En: <b>6.33750</b>	VT: <b>0/71</b>	Com: <b>360/704</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">732cea9b7e280d864e7134d27b8b8384d44c09100d6557aedfc17841838e3f3e</a>						<a href="#">archive</a>
En: <b>6.58014</b>	VT: <b>1/70</b>	Com: <b>5/13</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>amtlib.dll</b>						
<a href="#">f42f0088578e0454acba11691dfaf25bec1124f32070245a855293fbda6af621</a>						<a href="#">archive</a>
En: <b>6.68624</b>	VT: <b>0/72</b>	Com: <b>231/375</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>TechTools.NET - Adobe Photoshop CC 2015 FULL Portable.exe</b>						
<a href="#">3c5018a01c8001d297df7ccfb1bf4e1ee256c22a94442b325e301e57aaa5d274</a>						<a href="#">archive</a>

En: <b>8.00000</b>	VT: <b>1/53</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>autoplay.exe</b>						
<a href="#">210608aa2b791cf156325a34ffbaad33cc4fd8dad2ae89dec6126c7f433b2382</a>						<a href="#">archive</a>
En: <b>7.33444</b>	VT: <b>4/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">3d20655679c8829a6baad001851905927ef1b826e3eea594b7be3f8331211e39</a>						<a href="#">archive</a>
En: <b>6.43080</b>	VT: <b>0/71</b>	Com: <b>8/14</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobePIM.dll</b>						
<a href="#">7917708a9f343067e01242423eaa73ae981e20ce07ace6274fdcc71ee2b03b51</a>						<a href="#">archive</a>
En: <b>6.68496</b>	VT: <b>0/70</b>	Com: <b>2/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">3d20655679c8829a6baad001851905927ef1b826e3eea594b7be3f8331211e39</a>						<a href="#">archive</a>
En: <b>6.43080</b>	VT: <b>0/71</b>	Com: <b>8/14</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobePIM.dll</b>						
<a href="#">7917708a9f343067e01242423eaa73ae981e20ce07ace6274fdcc71ee2b03b51</a>						<a href="#">archive</a>
En: <b>6.68496</b>	VT: <b>0/70</b>	Com: <b>2/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>GenP-v3.8.0.exe</b>						
<a href="#">6721aaaa5b8a0bbcb68797e6b5f32b65129896c4e2e082f995446f7a9b5f8d</a>						<a href="#">archive</a>
En: <b>7.81807</b>	VT: <b>44/71</b>	Com: <b>1/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Adobe exe firewall block windows.bat</b>						
<a href="#">169fb0435fb83e23f7f5e46ca6aeaa4410fc293c32c92e770c05e1155cf80e04</a>						<a href="#">archive</a>

En: <b>4.86673</b>	VT: <b>0/60</b>	Com: <b>1/4</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>Adobe.Photoshop.2026.v27.5.0.13.part1.exe</b>						
<a href="#">fa3f35540280a42a587b84c224bca15a8592a8821f4b8960a2b89bf2024134b4</a>					<a href="#">archive</a>	
En: <b>7.33404</b>	VT: <b>3/69</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Adobe Acrobat

We have analyzed 36 samples in total and 17 were flagged containing at least one possible malware finding.

<b>amtemu.v0.9.1-painter.exe</b>						
<a href="#">c2f6d462a20f92b97c49c3af19872fc4df6aab4f66f4b8b298a1303881422f6</a>						<a href="#">archive</a>
En: <b>7.41964</b>	VT: <b>47/70</b>	Com: <b>14/9</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AcrobatPro.exe</b>						
<a href="#">9e665c575c0e145580cb38ad4aa69621225ac0e2d5c63a2983bae37c706519fe</a>						<a href="#">archive</a>
En: <b>7.99998</b>	VT: <b>0/64</b>	Com: <b>1/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AcrobatUpd11020.msp</b>						
<a href="#">46008fe68e2c7d2a00da29a9a2c85b52dea7fdcac3f84a71c6d3caa2e15223cd</a>						<a href="#">archive</a>
En: <b>7.98962</b>	VT: <b>0/57</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Adobe.Acrobat.Reader.v2023.006.20380.exe</b>						
<a href="#">9d4eec6495582c752b076a24fae37eff4e0643c8d8cb2b331936aa7e6dc e1b80</a>						<a href="#">archive</a>
En: <b>7.99974</b>	VT: <b>12/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>INSTALL.cmd</b>						
<a href="#">00cb805a58d2fda034f768f9e8a799654e58a10e63176dd1c5154228f653 6cdf</a>						<a href="#">archive</a>
En: <b>2.93416</b>	VT: <b>0/61</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>ADBEAR~1.EXE</b>						
<a href="#">f134cdfd92d95428e8b5795851621e493936def21c2c1e6bb084c8630d8 26f4</a>						<a href="#">archive</a>
En: <b>5.81791</b>	VT: <b>0/72</b>	Com: <b>0/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>setup.exe</b>						
<a href="#">26001d6af714fcae74af8ecbee993d017e0005b1a5ae0cc7213963d882d27 9f6</a>						<a href="#">archive</a>

En: <b>6.02657</b>	VT: <b>0/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>WINDOW~1.EXE</b>						
<a href="#">69b61b2c00323cea3686315617d0f452e205dae10c47e02cbe1ea96fea38f582</a>						<a href="#">archive</a>
En: <b>7.97622</b>	VT: <b>0/70</b>	Com: <b>23/50</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AcroPro.msi</b>						
<a href="#">089dc9a23f5eb868a6f6b8a6a901c2a29faef113ad296c8d40f6ce9de60f4b2d</a>						<a href="#">archive</a>
En: <b>5.58371</b>	VT: <b>0/62</b>	Com: <b>1/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>ACROBA~1.MSP</b>						
<a href="#">39e806ff65b1fd805e4361333941bcedf9f0184f8540909894a376a3a89d4e4c</a>						<a href="#">archive</a>
En: <b>7.99596</b>	VT: <b>0/57</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobeGenP.exe</b>						
<a href="#">64flea7bfb94f612d72ab74b36c11108b4b798adba3f2db79f4d5923e6d58</a> <a href="#">0a</a>						<a href="#">archive</a>
En: <b>6.42632</b>	VT: <b>27/71</b>	Com: <b>2/4</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>RunAsTI.exe</b>						
<a href="#">a3e0ba70ba908de8a75825c3aff36147e02c686280993c2caa8a9a6968</a> <a href="#">764b0</a>						<a href="#">archive</a>
En: <b>5.73005</b>	VT: <b>2/70</b>	Com: <b>1/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>ADOBEG~1.EXE</b>						
<a href="#">64flea7bfb94f612d72ab74b36c11108b4b798adba3f2db79f4d5923e6d58</a> <a href="#">0a</a>						<a href="#">archive</a>
En: <b>6.42632</b>	VT: <b>27/71</b>	Com: <b>2/4</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202</a> <a href="#">ea82</a>						<a href="#">archive</a>

En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>WindowsInstaller-KB893803-v2-x86.exe</b>						
<a href="#">69b61b2c00323cea3686315617d0f452e205dae10c47e02cbe1ea96fea38f582</a>						<a href="#">archive</a>
En: <b>7.97622</b>	VT: <b>0/70</b>	Com: <b>23/50</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup.exe</b>						
<a href="#">04889538532f10f910029a5ef65068aed713019fb50462546e82ee8ced81350b</a>						<a href="#">archive</a>
En: <b>6.08184</b>	VT: <b>0/70</b>	Com: <b>0/11</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>crack.exe</b>						
<a href="#">c75b9e099c891b53ef180f0ac26f5188c9fc9fc07d019cf19687fe05116b0957</a>						<a href="#">archive</a>
En: <b>7.98167</b>	VT: <b>22/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup.exe</b>						
<a href="#">04889538532f10f910029a5ef65068aed713019fb50462546e82ee8ced81350b</a>						<a href="#">archive</a>
En: <b>6.08184</b>	VT: <b>0/70</b>	Com: <b>0/11</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>crack.exe</b>						
<a href="#">9f7bde927e552aa82b0ce168b2e59845b89eb600ec290d5e8b3fb1a9e73325a7</a>						<a href="#">archive</a>
En: <b>7.99593</b>	VT: <b>18/68</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>WindowsInstaller-KB893803-v2-x86.exe</b>						
<a href="#">69b61b2c00323cea3686315617d0f452e205dae10c47e02cbe1ea96fea38f582</a>						<a href="#">archive</a>

En: <b>7.97622</b>	VT: <b>0/70</b>	Com: <b>23/50</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>setup.exe</b>						
<a href="#">c8b7f3add72e8b3b6a89bacd763d81c769e15ed0bc25eaf48776f286ad95d5f0</a>						<a href="#">archive</a>
En: <b>6.03094</b>	VT: <b>0/70</b>	Com: <b>1/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/70</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup.exe</b>						
<a href="#">04889538532f10f910029a5ef65068aed713019fb50462546e82ee8ced81350b</a>						<a href="#">archive</a>
En: <b>6.08184</b>	VT: <b>0/70</b>	Com: <b>0/11</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>crack.exe</b>						
<a href="#">9f7bde927e552aa82b0ce168b2e59845b89eb600ec290d5e8b3fba9e73325a7</a>						<a href="#">archive</a>
En: <b>7.99593</b>	VT: <b>18/68</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>GenP-v3.8.0.exe</b>						
<a href="#">6721aaaa5b8a0bbcb68797e6b5f32b65129896c4e2e082f995446f7a9b5f8d</a>						<a href="#">archive</a>
En: <b>7.81807</b>	VT: <b>44/71</b>	Com: <b>1/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Adobe exe firewall block windows.bat</b>						
<a href="#">169fb0435fb83e23f7f5e46ca6aeea4410fc293c32c92e770c05e1155cf80e04</a>						<a href="#">archive</a>
En: <b>4.86673</b>	VT: <b>0/60</b>	Com: <b>1/4</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>

En: <b>6.19240</b>	VT: <b>1/70</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>Setup.exe</b>						
<a href="#">04889538532f10f910029a5ef65068aed713019fb50462546e82ee8ced81350b</a>						<a href="#">archive</a>
En: <b>6.08184</b>	VT: <b>0/70</b>	Com: <b>0/11</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>crack.exe</b>						
<a href="#">3e2855ca5f3b34b3d4e152ec6dfd55831d77383a8bca7c68950d0712af72d3b8</a>						<a href="#">archive</a>
En: <b>7.99592</b>	VT: <b>14/69</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/70</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup.exe</b>						
<a href="#">04889538532f10f910029a5ef65068aed713019fb50462546e82ee8ced81350b</a>						<a href="#">archive</a>
En: <b>6.08184</b>	VT: <b>0/70</b>	Com: <b>0/11</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>crack.exe</b>						
<a href="#">3e2855ca5f3b34b3d4e152ec6dfd55831d77383a8bca7c68950d0712af72d3b8</a>						<a href="#">archive</a>
En: <b>7.99592</b>	VT: <b>14/69</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>WindowsInstaller-KB893803-v2-x86.exe</b>						
<a href="#">69b61b2c00323cea3686315617d0f452e205dae10c47e02cbe1ea96fea38f582</a>						<a href="#">archive</a>

En: <b>7.97622</b>	VT: <b>0/70</b>	Com: <b>23/50</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>Setup.exe</b>						
<a href="http://04889538532f10f910029a5ef65068aed713019fb50462546e82ee8ced81350b">04889538532f10f910029a5ef65068aed713019fb50462546e82ee8ced81350b</a>						<a href="#">archive</a>
En: <b>6.08184</b>	VT: <b>0/70</b>	Com: <b>0/11</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Wondershare Filmora

We have analyzed 7 samples in total and 7 were flagged containing at least one possible malware finding.

<b>FCommonView.dll</b>						
<a href="#">023a4a0a4ff41d7be85edd39f2ec23d2c649d3a60f99f7cba5ff5dbbb7589573</a>						<a href="#">archive</a>
En: <b>7.84225</b>	VT: <b>6/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>FCore.dll</b>						
<a href="#">4113842f8d43c1c4909374bd02a6521b146988f52c324c965747753c409ff878</a>						<a href="#">archive</a>
En: <b>7.84278</b>	VT: <b>1/67</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>FExportView.dll</b>						
<a href="#">20f79cd8cb14a912aa4d677b8094833394644b75cc6b4eeeb3268eec72a89a0f</a>						<a href="#">archive</a>
En: <b>7.90342</b>	VT: <b>1/59</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>FFWsRegister.dll</b>						
<a href="#">9ef511c46261a6122097dc38179c1f944f0b5090d449642418dc844df9b3f39a</a>						<a href="#">archive</a>
En: <b>7.85005</b>	VT: <b>37/71</b>	Com: <b>2/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>FFWsUpgrade.dll</b>						
<a href="#">54770bbda84d6809c64fea15f7575a07eadda865216fbce5ec486fd4ca45dcc6</a>						<a href="#">archive</a>
En: <b>7.84324</b>	VT: <b>37/71</b>	Com: <b>1/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>version.dll</b>						
<a href="#">37685f2dd6318feb074544d0166ab80303c89cla7b28a4892e003cfa7a1278ee</a>						<a href="#">archive</a>
En: <b>7.96073</b>	VT: <b>35/71</b>	Com: <b>1/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>version.dll</b>						
<a href="#">37685f2dd6318feb074544d0166ab80303c89cla7b28a4892e003cfa7a1278ee</a>						<a href="#">archive</a>

En: <b>7.96073</b>	VT: <b>35/71</b>	Com: <b>1/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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## FL Studio

We have analyzed 5 samples in total and 1 were flagged containing at least one possible malware finding.

<b>FL64.exe</b>						
<a href="#">9eeb6c08d235d41f18a2d37a305cbb3513e6974765a84669f093b8b45ce</a>						<a href="#">archive</a>
<a href="#">e6b71</a>						
En: <b>7.24215</b>	VT: <b>0/72</b>	Com: <b>1/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>FL64 (scaled).exe</b>						
<a href="#">f12290c79a9ce16f6f61633628e1d22200187910c520be77139ede388f657a</a>						<a href="#">archive</a>
<a href="#">a0</a>						
En: <b>7.23037</b>	VT: <b>0/71</b>	Com: <b>1/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>fl_patch_installer_20_7_2_1852.exe</b>						
<a href="#">33d9b96fac6369e24d59a53538d0c4e5c0e256521bc1326c6e8fbe4373e</a>						<a href="#">archive</a>
<a href="#">d5aea</a>						
En: <b>7.99998</b>	VT: <b>16/69</b>	Com: <b>11/63</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>FLEngine_x64.dll</b>						
<a href="#">07d929cbfaa818f0c1d3879cf89f893b162ab9058d858230e5a20cf6ec975afb</a>						<a href="#">archive</a>
En: <b>6.87640</b>	VT: <b>0/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>FL64.exe</b>						
<a href="#">680cfb77eaecde89e90c88a3b7d477a7b24402a4e12e583c853822d88db4731d</a>						<a href="#">archive</a>
En: <b>6.66271</b>	VT: <b>0/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>FL64 (scaled).exe</b>						
<a href="#">d6007791cdf1ba71c03319441ecaeb3b1de4e32be5a59c467c597509a66944ee</a>						<a href="#">archive</a>
En: <b>6.66336</b>	VT: <b>0/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## KMSpico

We have analyzed 6 samples in total and 5 were flagged containing at least one possible malware finding.

<b>KMSPIC~1.EXE</b>						
<a href="#">88f11abdd3e82c4ff30c0b67d4af73e10df6f83d6cbe0ce4f94fc2b2ebc013b8</a>						<a href="#">archive</a>
En: <b>7.99642</b>	VT: <b>51/71</b>	Com: <b>21/29</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>UNINST~1.CMD</b>						
<a href="#">0552a48861a2c9825d51eeb0197a959dc85e4e960fb00cee89ccc4806eadba8</a>						<a href="#">archive</a>
En: <b>4.42915</b>	VT: <b>1/39</b>	Com: <b>6/19</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AUTO(R~1.CMD</b>						
<a href="#">7339a4cc48220a161fcc737ed26e99e5678a4dlfaa3f7e2686c46b5a5d234828</a>						<a href="#">archive</a>
En: <b>5.12596</b>	VT: <b>12/60</b>	Com: <b>3/4</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AutoPico.exe</b>						
<a href="#">470a75fe3da2ddf9d27fb3f9c96e6c665506ea7ba26ab89f0c89606f678ae4a2</a>						<a href="#">archive</a>
En: <b>6.32282</b>	VT: <b>50/71</b>	Com: <b>6/6</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>KMSELDI.exe</b>						
<a href="#">91539a89fb6531ad4e52e8b19bfe02ec4cbb22393bc0058cc15f56d926017ac7</a>						<a href="#">archive</a>
En: <b>6.75512</b>	VT: <b>51/71</b>	Com: <b>5/12</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>REMOVE~1.CMD</b>						
<a href="#">b991f07494e570a55efa8f93108a277ff110a38a8e4bc9bd47e894e872063ec1</a>						<a href="#">archive</a>
En: <b>4.57128</b>	VT: <b>0/62</b>	Com: <b>0/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Topaz Video

We have analyzed 5 samples in total and 3 were flagged containing at least one possible malware finding.

<b>Topaz Video AI Pro v7.1.1.exe</b>						
<a href="#">651eedf0ebfdd5dda63fca0d9b75f0954dc54069ee79f77477a15220e8eadc67</a>						<a href="#">archive</a>
En: <b>7.99984</b>	VT: <b>0/71</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>afterpatch.exe</b>						
<a href="#">38b74567533fe1545f9d417cd4ef61f879e14908a3185bb7fc7db89207afdea6</a>						<a href="#">archive</a>
En: <b>7.53962</b>	VT: <b>1/57</b>	Com: <b>0/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>TopazVideo-1.5.0.msi</b>						
<a href="#">3f94f7e3b8e3c45d7859eb2d166288c6edc714e7f4db08829abea643e019df0c</a>						<a href="#">archive</a>
En: <b>7.99523</b>	VT: <b>0/57</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>version.dll</b>						
<a href="#">ca2806755c3e1fdc02179735cb91c01449989c727afb9eeb930d5f62b90e</a>						<a href="#">archive</a>
<a href="#">dl65</a>						
En: <b>5.65877</b>	VT: <b>15/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>dxgi.dll</b>						
<a href="#">c60a213b795a0d662f55dac9a34b2123a8df53c359cbd8a4365f2d45b7f9</a>						<a href="#">archive</a>
<a href="#">32ea</a>						
En: <b>5.63499</b>	VT: <b>20/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Avira System SpeedUp

We have analyzed 2 samples in total and 1 was flagged containing at least one possible malware finding.

<b>Avira System Speedup Crack.exe</b>						
<a href="#">2e0ae36d94bc3bf0557e8234b1e82c1bf5d6d4510cfe69126bc50c757e4b3dbe</a>						<a href="#">archive</a>
En: <b>6.37527</b>	VT: <b>37/72</b>	Com: <b>1/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>avira_en_asu80_137606563-1549701162__ws.exe</b>						
<a href="#">3cd7ee9260ec23c688605b65dfabf4f0f0c32d871fc5f650aa49dc09cb52ed18</a>						<a href="#">archive</a>
En: <b>7.97854</b>	VT: <b>0/68</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Adobe Illustrator

We have analyzed 15 samples in total and 8 were flagged containing at least one possible malware finding.

<b>Set-up.exe</b>						
<a href="#">24d2666c00ecd02350af0d70c8a9b71ed2bf0ce2553e61506fc1cbba0a9156b3</a>						<a href="#">archive</a>
En: <b>6.43392</b>	VT: <b>2/70</b>	Com: <b>17/24</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Illustrator.exe</b>						
<a href="#">b2959d2713c20cabd2b9fc3cae6c671fbc77bcd60de1a1bdc7d905c811a7bf8a</a>						<a href="#">archive</a>
En: <b>6.38403</b>	VT: <b>0/72</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>dvaappsupport.dll</b>						
<a href="#">6b3873e797f8dba15a722a732ee10fe87180a113146cbbd40720e6a3de96f1cd</a>						<a href="#">archive</a>
En: <b>6.45565</b>	VT: <b>0/72</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">603c4e18b36c46325121c35128da7ba0a94b673ff30437f9b33a69e9ce5110e7</a>						<a href="#">archive</a>
En: <b>6.43391</b>	VT: <b>40/70</b>	Com: <b>7/5</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>GenP-v3.6.9.exe</b>						
<a href="#">cf3bf1973ed8a75fc816781cd39dd19f8c2c72f27a50d7506ada4e7c87b5913a</a>						<a href="#">archive</a>
En: <b>7.81775</b>	VT: <b>50/71</b>	Com: <b>2/8</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobePIM.dll</b>						
<a href="#">7917708a9f343067e01242423eaa73ae981e20ce07ace6274fdcc71ee2b03b51</a>						<a href="#">archive</a>
En: <b>6.68496</b>	VT: <b>0/70</b>	Com: <b>2/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>setup.exe</b>						
<a href="#">830210afefdd2210cfda5ce0d898b56ff196b940acde7f22d06aadae850ee78b</a>						<a href="#">archive</a>

En: <b>5.65442</b>	VT: <b>27/72</b>	Com: <b>1/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>Set-up.exe</b>						
<a href="#">0f8ccdf2162915f2d056702e9df32c65e4ed2e0c0d5d5ea606aa8803b4ef5d9b</a>						<a href="#">archive</a>
En: <b>6.58015</b>	VT: <b>0/65</b>	Com: <b>3/22</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>amtlib.dll</b>						
<a href="#">65897650b5f6d39c3c55cb7a0fdbf5896dcff815878fce52ec5c86ccd4e006a0</a>						<a href="#">archive</a>
En: <b>6.36718</b>	VT: <b>0/71</b>	Com: <b>0/7</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">3d20655679c8829a6baad001851905927ef1b826e3eea594b7be3f8331211e39</a>						<a href="#">archive</a>
En: <b>6.43080</b>	VT: <b>0/69</b>	Com: <b>8/14</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">3d20655679c8829a6baad001851905927ef1b826e3eea594b7be3f8331211e39</a>						<a href="#">archive</a>
En: <b>6.43080</b>	VT: <b>0/71</b>	Com: <b>8/14</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">603c4e18b36c46325121c35128da7ba0a94b673ff30437f9b33a69e9ce5110e7</a>						<a href="#">archive</a>

En: <b>6.43391</b>	VT: <b>42/71</b>	Com: <b>7/5</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>GenP-v4.0.2.exe</b>						
<a href="http://cc2f424dd53409dc7c23db7f3e2298e66138ecec272e87336438346b9b422c35">cc2f424dd53409dc7c23db7f3e2298e66138ecec272e87336438346b9b422c35</a>						<a href="#">archive</a>
En: <b>7.28099</b>	VT: <b>23/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Adobe Lightroom

We have analyzed 7 samples in total and 3 were flagged containing at least one possible malware finding.

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">3d20655679c8829a6baad001851905927ef1b826e3eea594b7be3f8331211e39</a>						<a href="#">archive</a>
En: <b>6.43080</b>	VT: <b>0/71</b>	Com: <b>8/14</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">3d20655679c8829a6baad001851905927ef1b826e3eea594b7be3f8331211e39</a>						<a href="#">archive</a>
En: <b>6.43080</b>	VT: <b>0/71</b>	Com: <b>8/14</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>GenP-v3.8.0.exe</b>						
<a href="#">6721aaaa5b8a0bbc1bc68797e6b5f32b65129896c4e2e082f995446f7a9b5f8d</a>						<a href="#">archive</a>
En: <b>7.81807</b>	VT: <b>44/71</b>	Com: <b>1/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Adobe exe firewall block windows.bat</b>						
<a href="#">169fb0435fb83e23f7f5e46ca6aeaa4410fc293c32c92e770c05e1155cf80e04</a>						<a href="#">archive</a>
En: <b>4.86673</b>	VT: <b>0/60</b>	Com: <b>1/4</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">3d20655679c8829a6baad001851905927ef1b826e3eea594b7be3f8331211e39</a>						<a href="#">archive</a>

En: <b>6.43080</b>	VT: <b>0/71</b>	Com: <b>8/14</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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## Adobe Premier

We have analyzed 6 samples in total and 2 were flagged containing at least one possible malware finding.

<b>autoplay.exe</b>						
<a href="#">3b9dabd99dc58a5242616cb6d1d876bca3046119a9b150c7d7868bf02202ea82</a>						<a href="#">archive</a>
En: <b>6.19240</b>	VT: <b>1/71</b>	Com: <b>17/86</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">37bafef751e9307c119b84d7247f7c1d6b5c63810f4ad67dfc8cla6d1479bf4b2</a>						<a href="#">archive</a>
En: <b>6.43391</b>	VT: <b>35/65</b>	Com: <b>5/13</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">0f8ccdf2162915f2d056702e9df32c65e4ed2e0c0d5d5ea606aa8803b4ef5d9b</a>						<a href="#">archive</a>
En: <b>6.58015</b>	VT: <b>0/65</b>	Com: <b>3/22</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>amtlib.dll</b>						
<a href="#">fa0d3b8e40d1500eb6ce1075b0698b6110fec80cbfab780932dd01f15e44f363</a>						<a href="#">archive</a>
En: <b>6.36722</b>	VT: <b>0/72</b>	Com: <b>5/25</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Set-up.exe</b>						
<a href="#">16caee252577d59377e31c25225b0a6568764cc96074a566aca543ddf2eb1175</a>						<a href="#">archive</a>
En: <b>6.36887</b>	VT: <b>0/70</b>	Com: <b>8/11</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>AdobePIM.dll</b>						
<a href="#">75277ea2d73f3c8344960173f9658d3b335f84d3842441d4257ae239938b49ea</a>						<a href="#">archive</a>
En: <b>6.66747</b>	VT: <b>0/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Devinci Resolve

We have analyzed 5 samples in total and 2 were flagged containing at least one possible malware finding.

<b>Install Resolve 20.0.exe</b>						
<a href="#">eceaa41e1a54b94913a61e4eb555d77e0d8d238e11d7627d32a36cb48c85f9ed</a>						<a href="#">archive</a>
En: <b>6.81702</b>	VT: <b>0/71</b>	Com: <b>1/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Resolve.exe</b>						
<a href="#">37a05ff82b833318e97634fac4cbb8c150a23720d16029b6be6dba81c2c28bf9</a>						<a href="#">archive</a>
En: <b>6.97131</b>	VT: <b>1/64</b>	Com: <b>2/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>DaVinci Remote Monitor.exe</b>						
<a href="#">6633efca2eb07e6clae654b85d7be678728c0fc75e8b7f7d801ae4d66f746f57</a>						<a href="#">archive</a>
En: <b>5.91998</b>	VT: <b>1/69</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>fusionsystem.dll</b>						
<a href="#">8052f5edc73695c5e6adab06daa0eb1be85b892dc8a873d6c9311bc8c0fb9b59</a>						<a href="#">archive</a>
En: <b>6.81869</b>	VT: <b>0/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>fraunhoferdcp.dll</b>						
<a href="#">0e35a63b9efbd745d6ee2829d8f274854843026d61be3021389d26ba7d1f9313</a>						<a href="#">archive</a>
En: <b>6.80201</b>	VT: <b>0/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Sketchup

We have analyzed 12 samples in total and 3 were flagged containing at least one possible malware finding.

<b>Activator.exe</b>						
<a href="#">d759b44ef4b0e86c75b73383138d578029997f5458f287049f6c3e7d8b5852b9</a>						<a href="#">archive</a>
En: <b>5.09148</b>	VT: <b>46/70</b>	Com: <b>2/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>sup_2016_en_x64.exe</b>						
<a href="#">04804d735d6b79318525936c320ef10154a5c8078770c838b0ef4045b45cad9b</a>						<a href="#">archive</a>
En: <b>7.99956</b>	VT: <b>0/65</b>	Com: <b>4/3</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Style Builder.exe</b>						
<a href="#">b596ada5c6ad5933a9fe12f1e4525ald721e97af14a6679cd1979f2ffe3745f1</a>						<a href="#">archive</a>
En: <b>6.27891</b>	VT: <b>0/72</b>	Com: <b>0/4</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>SketchUp.exe</b>						
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<a href="#">fc24bb0724c9a02b12c0ec2302a71b7f382f70ca406d8e601lc9005c3dle3</a> <a href="#">dlc</a>						<a href="#">archive</a>
En: <b>6.59055</b>	VT: <b>0/72</b>	Com: <b>0/5</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>LayOut.exe</b>						
<a href="#">b6ded0dff3f318a4c999328cdbfc03904662ab03ee6b0cc0dca2f33fb72f</a> <a href="#">347</a>						<a href="#">archive</a>
En: <b>6.52084</b>	VT: <b>0/72</b>	Com: <b>0/4</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>sup_2016_en_x32.exe</b>						
<a href="#">9b4ec2984a6d4f8f9d2249ee55509330dd982dd4abe2b4f0875ab275e3</a> <a href="#">8a0e4e</a>						<a href="#">archive</a>
En: <b>7.99949</b>	VT: <b>0/68</b>	Com: <b>4/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Style Builder.exe</b>						
<a href="#">2ae6954f7b42c3f4a0adcc62d6dae9108350ae159573a084claablcc466d</a> <a href="#">68f2</a>						<a href="#">archive</a>

En: <b>6.50046</b>	VT: <b>0/64</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>SketchUp.exe</b>						
<a href="#">14e3f87bb16939735856cf817c9025f2946f5b58c5a9ce4e8f9dc97b93d1c62d</a>						<a href="#">archive</a>
En: <b>6.88886</b>	VT: <b>0/69</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>SketchUp.exe</b>						
<a href="#">cc86f436414162bf02f3716fbd02f9a8571b3b6d35a792a725b3be4144b94da8</a>						<a href="#">archive</a>
En: <b>7.92788</b>	VT: <b>40/69</b>	Com: <b>3/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>LayOut.exe</b>						
<a href="#">08098464f47a904898d197acf8dcdba12f3f982932c5ef224b8e27b9e64ec6a6</a>						<a href="#">archive</a>
En: <b>6.75962</b>	VT: <b>0/72</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>SketchUp.exe</b>						
<a href="#">895b87a533c98f9f3ca034e1b4941bb400b81c07899b1c2bd0db0d3aab0305e2</a>						<a href="#">archive</a>
En: <b>7.94232</b>	VT: <b>40/71</b>	Com: <b>2/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>LayOut.exe</b>						
<a href="#">f556d58c2e491be73229e9cff0f9f014a751363fd3b79518e6bba61abal6182</a>						<a href="#">archive</a>
En: <b>6.74477</b>	VT: <b>0/63</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Solidworks

We have analyzed 13 samples in total and 3 were flagged containing at least one possible malware finding.

<b>sw_d.exe</b>						
<a href="#">59f60b9680f8d1220229ed0b4402e578f2da5f29ecf7152809a9428140399524</a>						<a href="#">archive</a>
En: <b>6.66199</b>	VT: <b>0/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>installs.exe</b>						
<a href="#">5357844c0f6ca3154ca7f1ea552410738c9bfe92cdc81bfdfdf47f3c06da25ad</a>						<a href="#">archive</a>
En: <b>6.47147</b>	VT: <b>1/70</b>	Com: <b>1/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>lmgrd.exe</b>						
<a href="#">a2b03dbb2846c06c601256f3845a53151837251f6491264a69ec17cb4fdd0d5c</a>						<a href="#">archive</a>
En: <b>6.59199</b>	VT: <b>0/72</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>lmtools.exe</b>						
<a href="#">0a36527d86c66c4758f4116e8f762ed04e1led1791ff2b97f616d3c68b2a3be6</a>						<a href="#">archive</a>
En: <b>6.35644</b>	VT: <b>0/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>lmutil.exe</b>						
<a href="#">4ae9792e4b186d90b53f16d5aa16105bbec4967844e446b5214525d1b125c40e</a>						<a href="#">archive</a>
En: <b>6.33305</b>	VT: <b>1/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>server_install.bat</b>						
<a href="#">49f922495fe79151e8b1c7e5bfdca11573eb4ac958888301e7d9126a1f000459</a>						<a href="#">archive</a>
En: <b>4.79433</b>	VT: <b>0/60</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>server_remove.bat</b>						
<a href="#">8b0b95e49330c8fc517061ab420e0da66555a20a270ad88835eea05a591af04e</a>						<a href="#">archive</a>

En: <b>4.33656</b>	VT: <b>0/62</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>netapi32.dll</b>						
<a href="#">8cf7e5ce33d7eff087f2891de80fb62324991716d4be86c540dbff90145792f5</a>						<a href="#">archive</a>
En: <b>6.63166</b>	VT: <b>0/72</b>	Com: <b>1/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>sw_d.exe</b>						
<a href="#">b6235d88c4f52d764a3defc78e29f440bf70a26450a858a621acf6d35cd218c9</a>						<a href="#">archive</a>
En: <b>6.55994</b>	VT: <b>0/69</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>installs.exe</b>						
<a href="#">5357844c0f6ca3154ca7f1ea552410738c9bfe92cdc81bfdfdf47f3c06da25ad</a>						<a href="#">archive</a>
En: <b>6.47147</b>	VT: <b>1/70</b>	Com: <b>1/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Imgrd.exe</b>						
<a href="#">f3288e15ba8cd5f8307a92b88c68191039bb2e61566c76463509ce2c289b9a8a</a>						<a href="#">archive</a>
En: <b>6.66928</b>	VT: <b>0/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Imtools.exe</b>						
<a href="#">0a36527d86c66c4758f4116e8f762ed04e1led1791ff2b97f616d3c68b2a3be6</a>						<a href="#">archive</a>
En: <b>6.35644</b>	VT: <b>0/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>setup.exe</b>						
<a href="#">2bf193185e520713964cf0710b882bd5ce7fc10c4a3ee8026858c51dba13d687</a>						<a href="#">archive</a>
En: <b>4.84185</b>	VT: <b>0/69</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## VirtualDJ

We have analyzed 10 samples in total and 7 were flagged containing at least one possible malware finding.

<b>virtualdj_pc_v8.0.2048.msi</b>						
<a href="#">c91801f6c01935aba883f3d23fabe25f44b338fc3e30444ca7cde11b4c1dd166</a>						<a href="#">archive</a>
En: <b>7.98536</b>	VT: <b>0/62</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>virtualdj8.exe</b>						
<a href="#">70efecf6b6026553e50fb289a6d15539b03cdebdbef0a62364b4136209d2105</a>						<a href="#">archive</a>
En: <b>7.26646</b>	VT: <b>1/70</b>	Com: <b>6/5</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>install_virtualdj_pc_v8.0.2265.msi</b>						
<a href="#">a1764f122eaca5c22f956b2d8c393f40335a083aeaa7d54641bce8533b660e57</a>						<a href="#">archive</a>
En: <b>7.98615</b>	VT: <b>0/61</b>	Com: <b>0/2</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>virtualdj8.exe</b>						
<a href="#">c7e3976b4ff730eadb93ff0646bda31110664cbc020fa6c7efb924c9d9253070</a>						<a href="#">archive</a>
En: <b>7.28457</b>	VT: <b>1/69</b>	Com: <b>0/3</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup Virtual DJ v8.5.9295.exe</b>						
<a href="#">121c5d7cb927d04b04a496fa0cf17705454010f590df6c36a07414e3ca59cc41</a>						<a href="#">archive</a>
En: <b>7.82573</b>	VT: <b>0/65</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup Turbo Activate Activator v1.0.0.exe</b>						
<a href="#">bb0200aldeae607a2630ab2f0052ec25fcefbcb3b2d8676aee356ddf6379ba732</a>						<a href="#">archive</a>
En: <b>7.32387</b>	VT: <b>3/59</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>R2R System v1.4.0.exe</b>						
<a href="#">ba6954683a36669cc92f0545892ae686fc7cc8a223fccff416baf40ea0dcda2</a>						<a href="#">archive</a>

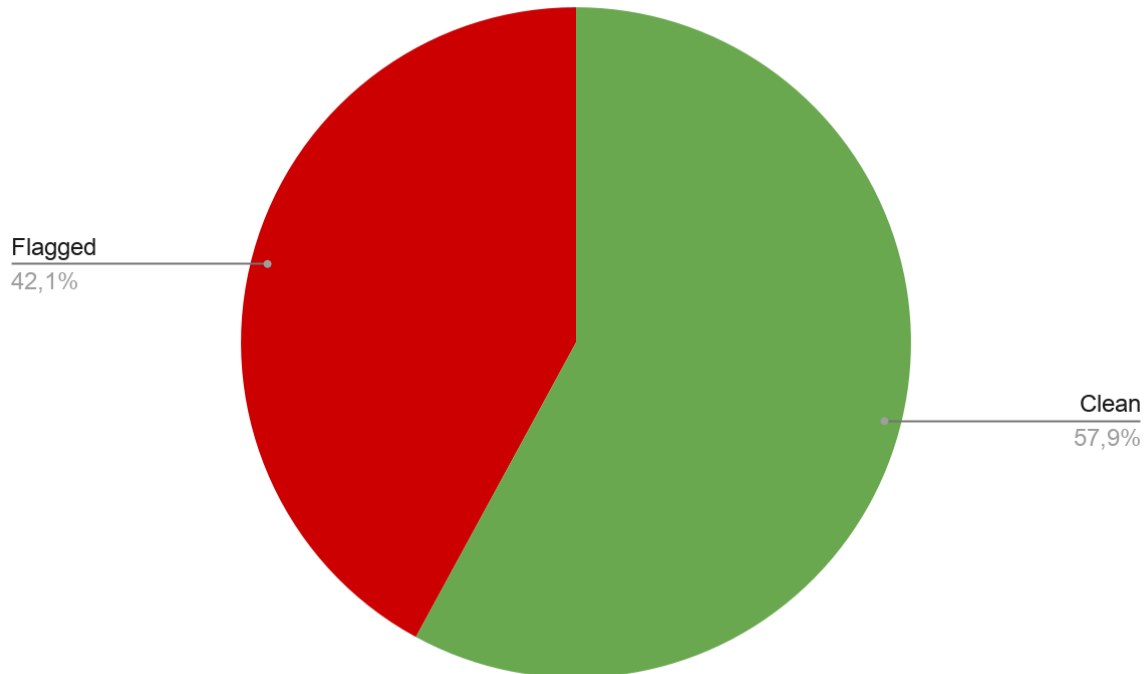
En: <b>7.99017</b>	VT: <b>1/71</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>
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<b>R2RCERTEST.exe</b>						
<a href="#">c7142fc351a4d2ee9d1e7e1a394d7b323f966f5f6e082feadb812525058d4319</a>						<a href="#">archive</a>
En: <b>5.21723</b>	VT: <b>4/70</b>	Com: <b>0/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup Network Block Runtime v2.3.0.exe</b>						
<a href="#">899e9f8ecea98a8a058d3651d91b5c5d518378d4e3f9ad5957b5ae215fb4038c</a>						<a href="#">archive</a>
En: <b>7.48746</b>	VT: <b>2/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

<b>Setup INM810 - inMusic Activator v1.1.0.exe</b>						
<a href="#">bbd9a562319f1c8ebb8236f2341d3d1ef7534de7fdb224fb8d8bfc599b33ab5c</a>						<a href="#">archive</a>
En: <b>7.15034</b>	VT: <b>5/70</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

## Data Analysis



The pie chart illustrates that in all of our samples **42.1%** were flagged by VirusTotal by at least one virus engine.

<b>KMS_VL_ALL_AIO.exe</b>						
<a href="#">2ce96dd0e86edbad2d62af8ccd66247fcbaa928ffd47eff08db131254ce7e74</a>						<a href="#">archive</a>
En: <b>6.71926</b>	VT: <b>52/71</b>	Com: <b>2/1</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

Sample **KMS\_VL\_ALL\_AIO.exe** is the one returning the highest score of all of the analyzed samples

<b>TechTools.NET - Adobe Photoshop CC 2015 FULL Portable.exe</b>						
<a href="#">3c5018a01c8001d297df7ccfb1bf4e1ee256c22a94442b325e301e57aaa5d274</a>						<a href="#">archive</a>
En: <b>8.00000</b>	VT: <b>1/53</b>	Com: <b>0/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

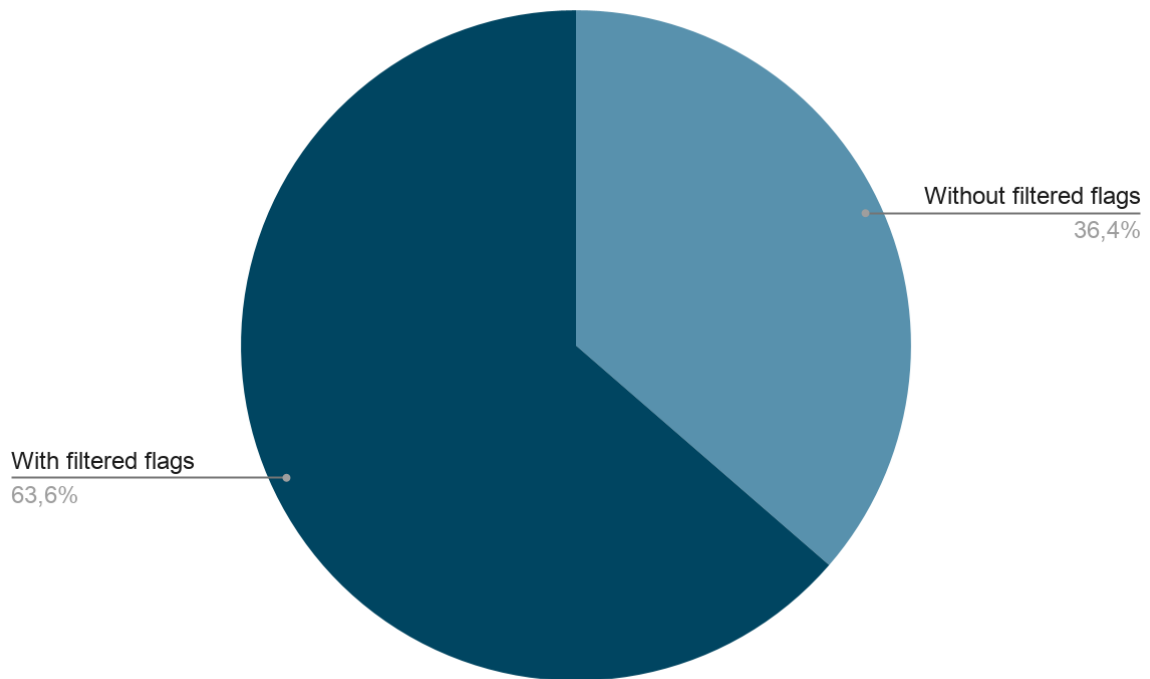
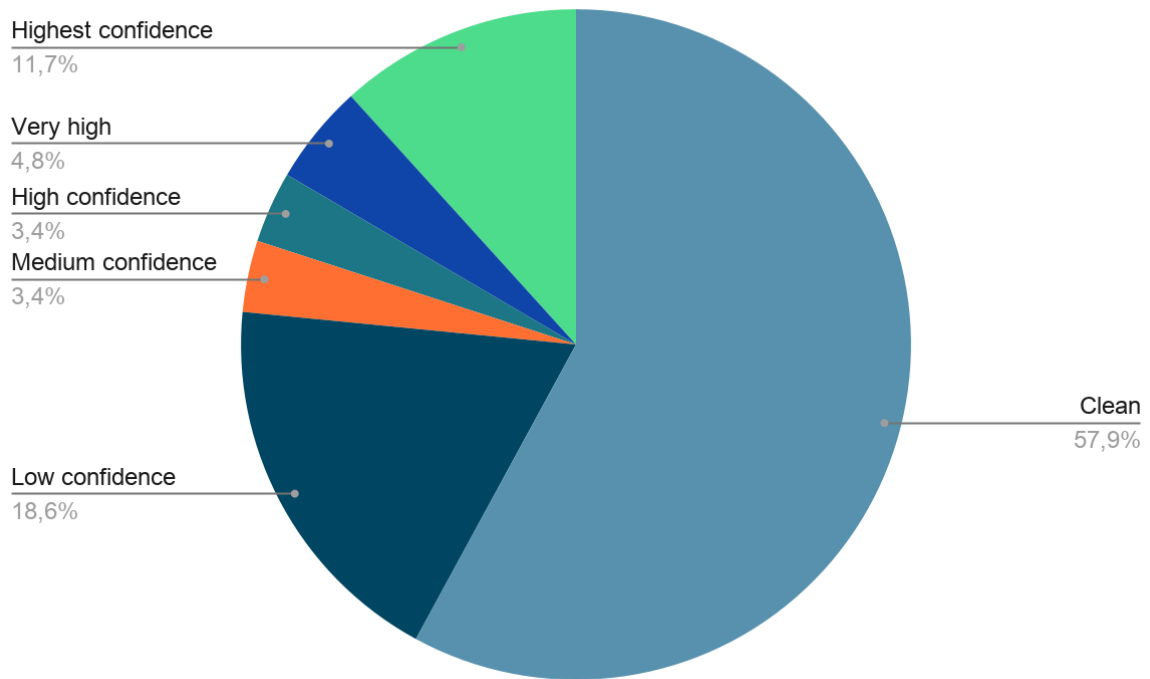
Sample **TechTools.NET - Adobe Photoshop CC 2015 FULL Portable.exe** is the one with the highest recorded entropy of all of the analyzed samples.

## Filtered results

As we've stated we are using VirusTotal and other factors to mass analyze samples, this approach is unfortunately never going to be as precise as a dynamic analysis including manual decompilation of the analyzed sample to fully understand what happens under the hood. Nevertheless we feel this approach can still reveal many interesting facts about the security of downloading pirated content using the BitTorrent network as well as educating users on how to navigate this landscape and become more vigilant, even when downloading and running software from trusted sources.

We split our samples into 6 categories.

- **Highest confidence:** 31 or more flags with false positives flags filtered out
- **Very High confidence:** 21 to 31 flags with false positives flags filtered out
- **High confidence:** 10 to 20 flags with false positives flags filtered out
- **Medium confidence:** 4 to 9 flags with false positives flags filtered out
- **Low confidence:** 1 to 3 flags with false positives flags filtered out
- **Clean:** no flags at all



This chart shows that **36.4%** flagged samples with confidence of Medium or higher have no false positive flags.

We have looked at all of the results from all the various engines and our samples were ranked with 486 distinct categories.

These are examples of flags we found in our analyzed samples, the first list notes some of the most aggressive ones from our list.

- **Trojan.Win64.Tnega:** The "Tnega" family is essentially a malicious Swiss Army knife. Once it tricks its way onto a machine, it can perform a variety of commands dictated by a remote hacker. This includes downloading ransomware, turning the PC into a spam bot, or silently logging keystrokes to steal bank passwords.
- **Trojan:Win32/Kepavll!rfn:** The **!rfn** part stands for "reputation or behavior-based detection." Instead of looking for a known file signature, the antivirus caught this program acting suspiciously (like trying to secretly inject code into legitimate Windows processes). Its primary job is to act as an inside man, opening a backdoor to download much heavier malware later.
- **Trojan:Unknow/Wacatac.B9nj:** Wacatac is a broad catch-all name Microsoft Defender uses when a file exhibits classic, dangerous malware behavior (such as trying to modify critical system boot files or connecting to known malicious web domains). It is highly aggressive and usually signals a direct threat to system stability.

This second list contains some of the flags which are likely false positives and have been filtered out from our analysis.

- **PUA.Win64.AdobePatch.A:** This is explicitly a "hacktool" designed to bypass Adobe's licensing verification. Because it forcibly alters the code of another program to make it free, security companies flag it as a threat. While it violates copyright terms, the tool itself is doing what the user downloaded it to do.
- **Hack.Win32.Patcher.cl:** A "patcher" modifies the compiled binary code of an existing file on the computer. To an antivirus, a program editing another program's code looks exactly like a virus injecting payload.
- **exe.hacktool.crack:** These files are designed to inject code into another program's memory or permanently modify its **.exe** file. For example, a crack might replace the code that checks *"Did the user log in?"* with a line that always says *"Yes, log them in."*

<b>Activator.exe</b>						
<a href="#">d759b44ef4b0e86c75b73383138d578029997f5458f287049f6c3e7d8b5852b9</a>						<a href="#">archive</a>
En: <b>5.09148</b>	VT: <b>46/70</b>	Com: <b>2/0</b>	Shell: <b>Yes</b>	Net: <b>Yes</b>	Crypto: <b>Yes</b>	Reg: <b>Yes</b>

This sample was one of the highest rated in our dataset, it scored 46 out of 70 and only 5 were rated as hacktools. For this sample VirusTotal offers results for many sandboxed environments and we can see it employs techniques such as Software packing<sup>3</sup>, Sandbox evasion<sup>4</sup> or File obfuscation<sup>5</sup>, techniques often used by malware. We have strong reasons to believe that even if some of the antivirus engines return false positives and the file is from a verified uploader a simple activator should not be receiving a community score of **-12**, do **200+** network requests and drop **95** files.

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<sup>3</sup> Software packing compresses or encrypts an entire executable file, wrapping it inside a new, uncompressed "wrapper" script. When the program runs, the wrapper unpacks the original code directly into the computer's memory, bypassing static antivirus scanners that only scan files sitting on the hard drive.

<sup>4</sup> Sandbox evasion is a collection of tricks code uses to detect if it is being watched (like checking for human-like mouse movements, specific registry keys, or time delays)—if it realizes it's in a sandbox, it plays dead and acts harmless.

<sup>5</sup> File obfuscation is the practice of making source code or binaries completely unreadable to humans and security analysts without changing how the program actually functions. It achieves this by scrambling variable names, adding useless "junk" code, or altering execution paths, turning clear logic into an undecipherable maze.

## Conclusion

Our study highlights the severe risks of downloading pirated content, revealing that staggering **42.1%** of the tested samples were potentially malicious. While **11.7%** were rated as with the highest of confidence. The lower confidence samples were purely rated as such because they received lower ratings overall. **36.4%** of samples with confidence Medium or higher had no false positives flags, meaning it is very likely they were packing an actual malware and **58.3%** of those were in the Highest confidence category.

The study also demonstrated the limitations of relying solely on traditional desktop antivirus software when interacting with pirated content. Software cracks and activators frequently employ techniques similar to malware behavior, which contributes to false positives and conditions users to ignore security warnings entirely. Threat actors exploit this expectation by embedding genuine malware inside tools that users already anticipate will trigger antivirus alerts.

To efficiently process a large volume of samples, the research relied on static analysis techniques, including SHA-256 hashing, entropy measurement, heuristic string extraction, and VirusTotal aggregation. While dynamic analysis and reverse engineering can provide deeper insight into individual payloads, the selected methodology allowed scalable identification of broad distribution trends and common indicators of compromise across the BitTorrent ecosystem.

Ultimately, this study demonstrates that downloading executable content from public torrent networks presents a substantial security risk. **Even when files appear legitimate or originate from reputable uploaders, the combination of obfuscation techniques, multi-engine detections, and suspicious behavioral indicators demonstrates that pirated software ecosystems continue to be an effective vector for malware distribution. Furthermore, checking torrents via the tracker community does not reliably filter out malware.**

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