

Appendix 2

OSINT Investigation Appendix 2

CMIT-450-81: Senior Seminar Project

Instructor Michael Atwood

Kyle Hathaway

11.2.2025

Contents

Confirmed Malicious Domain #1 Evidence	2
Confirmed Malicious Domain #2 Evidence	6
Confirmed Malicious Domain #3 Evidence	8
Sources	10
Figure 1: Hybrid-analysis report on domain #1.....	2
Figure 2: Intezer report on domain # 1.	2
Figure 3: Malwarebazaar report on domain #1.	3
Figure 4: Triage report on domain #1.	4
Figure 5: URLscan report on domain #1.....	4
Figure 6: Virustotal scan on domain #1.	5
Figure 7: Hybrid-analysis report on Domain #2.	6
Figure 8: Triage report on domain #2.	6
Figure 9: URLhaus report on domain #2.	7
Figure 10: URLscan report on domain #2.....	8
Figure 11: Hybrid-analysis report on domain #3.....	8
Figure 12: Triage report on domain #3.	9
Figure 13: URLscan report on domain #3.....	9

Appendix 2

Confirmed Malicious Domain #1 Evidence

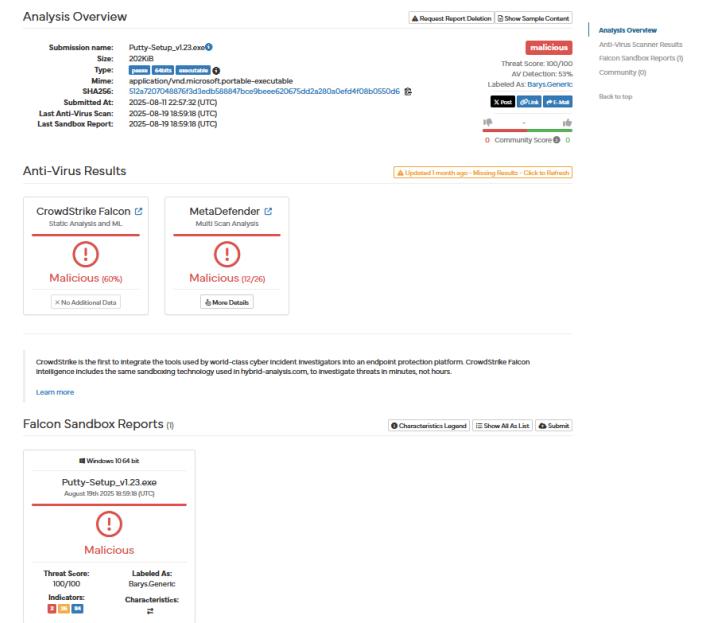


Figure 1: Hybrid-analysis report on domain #1.

(Free Automated Malware Analysis Service - Powered by Falcon Sandbox, n.d.)

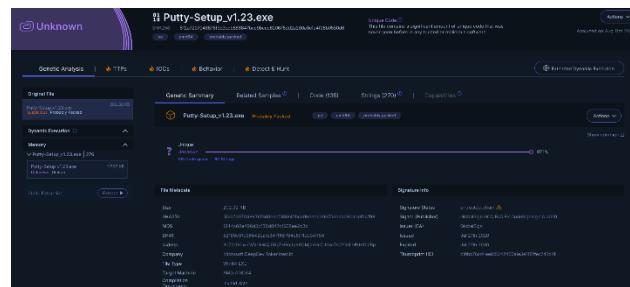


Figure 2: Intezer report on domain # 1.

(Malicious File 5144c68a496d3b138d847c1508ee2b3b - Intezer, n.d.)

Appendix 2

Database Entry



Intelligence	IOCs	YARA	File information	Comments	Actions
SHA256 hash:	512a720704887f3d1e6cb588847bc9beee620675dd2a2b0a0ef4f408b0550d6				
SHA3-384 hash:	02803e5be708b63bca4a971efd0d893cbe2d82c91002478e4b257f7d26097fe55866c2d27c6fb767b86a206f82430				
SHA1 hash:	52180c91a365412bafa34756f704a8ff7cb04ff84				
MD5 hash:	5144c68a496d3b138d847c1508ee2b3b				
humanhash:	april-oven-twelve-india				
File name:	Putty_Setup_v1.23.exe				
Download:	download sample				
File size:	207'176 bytes				
First seen:	2025-08-11 22:53:39 UTC				
Last seen:	Never				
File type:	<input checked="" type="checkbox"/> exe				
MIME type:	application/x-dosexec				
imphash	aa01007e70675acff24b74d96f3e8a0 (2 x CleanUpLoader)				
ssdeep	3072:1Raw+WS0kWQjBQZHRAq9tOMjamRCUzocTsCY31LsPtkfz2Bp5v1wHVWg0Hs8nBMja0hTsCYhTCb				
TLSH	T15514B84F621801C8D0679F12DA1695515D2FA78A0C0BF4790A9603DF2F3D82FB1A6FC5AC				
TrID	47.0% (.EXE) Microsoft Visual C++ compiled executable (generic) (16529/12/5) 29.9% (.EXE) Win64 Executable (generic) (10522/11/4) 5.7% (.EXE) DOS Executable Borland Pascal 7.0x (2035/25) 5.7% (.EXE) OS/2 Executable (generic) (2029/13) 5.7% (.EXE) Generic Win/DOS Executable (2002/3)				
Magikा	pebin				
Reporter					
Tags:	evil luckyfishmama.com puttysetup.com malware				

Code Signing Certificate

Organisation:	Bi-Test Limited Liability Company
Issuer:	GlobalSign G2 R45 EV CodeSigning CA 2020
Algorithm:	sha256WithRSAEncryption
Valid from:	2025-08-08T07:17:06Z
Valid to:	2026-03-14T06:33:59Z
Serial number:	20e91e269c6767bca9eb3d3d
Intelligence:	3 malware samples on MalwareBazaar are signed with this code signing certificate
Cert Central Blocklist:	This certificate is on the Cert Central blocklist
Thumbprint Algorithm:	SHA256
Thumbprint:	2d61b13959b4814e0f04b41493596ddfe08a9efc77cf73ee4b44ac3513fc5af
Source:	This information was brought to you by ReversingLabs A1000 Malware Analysis Platform

Figure 3: Malwarebazaar report on domain #1.

(MalwareBazaar - Putty-Setup_v1.23.exe, n.d.)

Appendix 2

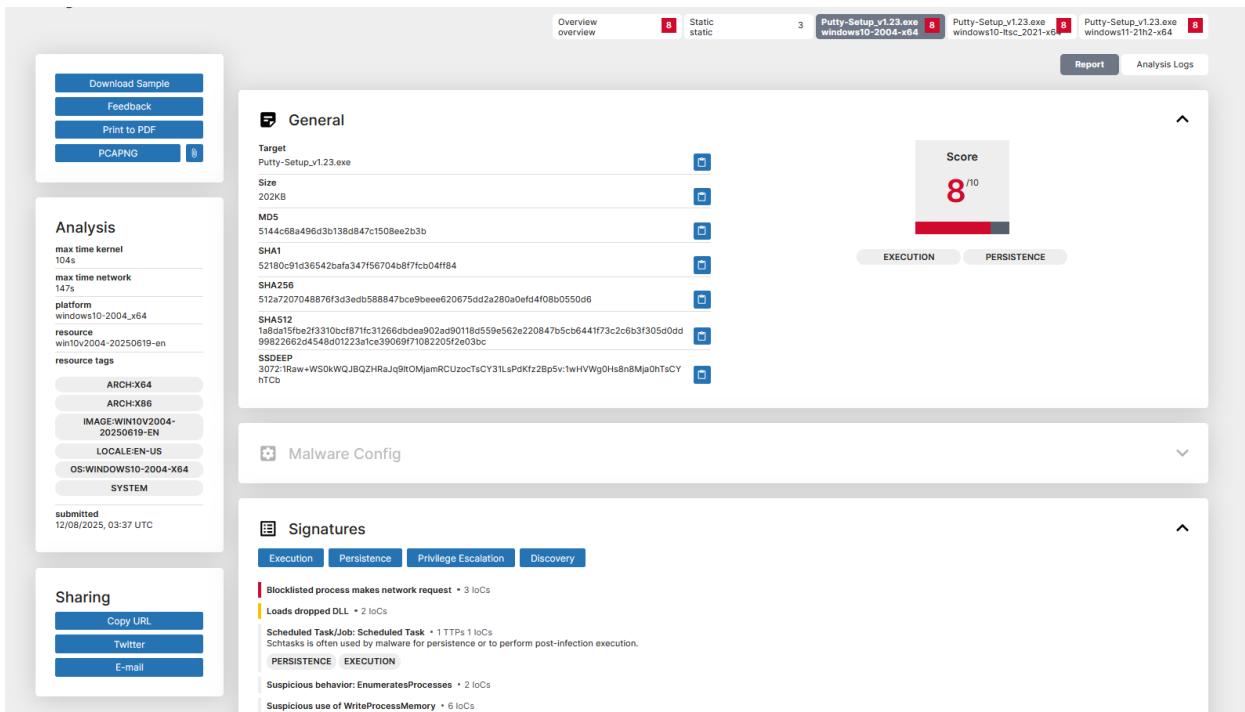


Figure 4: Triage report on domain #1.

(512a7207048876f3d3edb588847bce9beee620675dd2a280a0efd4f08b0550d6 | Triage, n.d.)

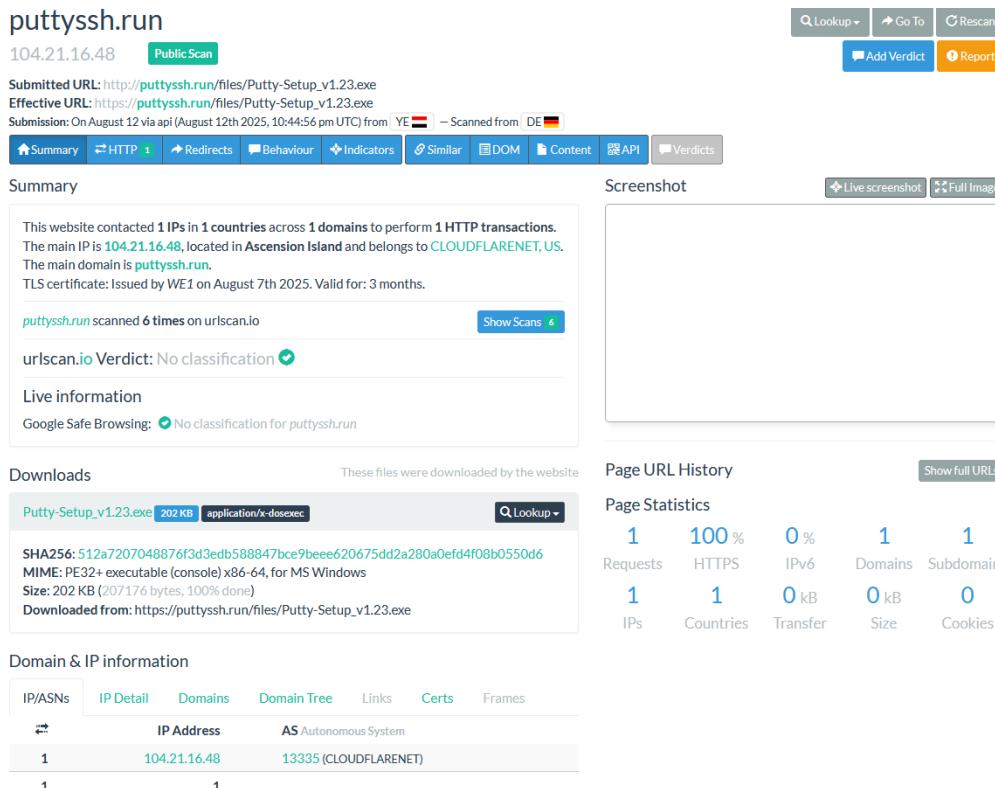


Figure 5: URLscan report on domain #1.

Appendix 2

(*Urlscan.io, n.d.*)

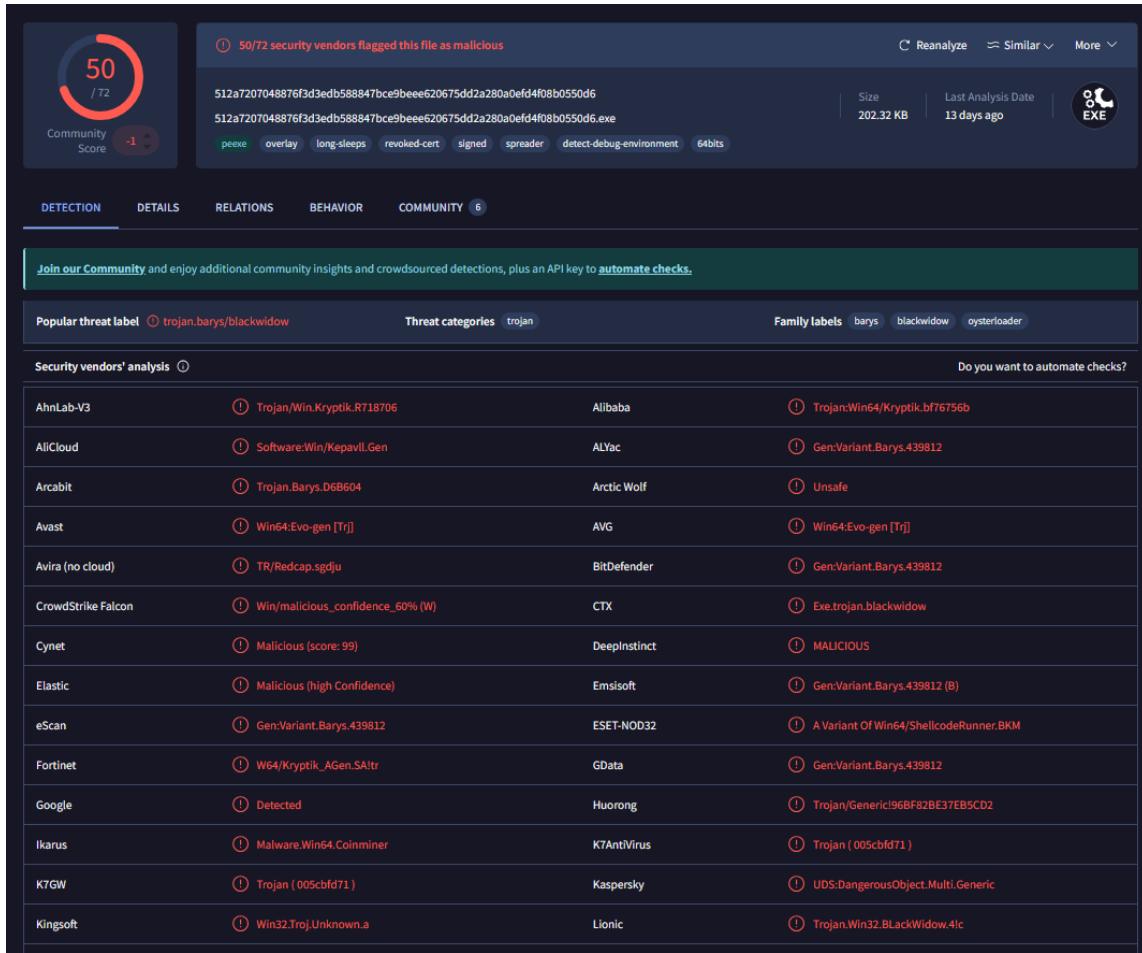


Figure 6: Virustotal scan on domain #1.

(*VirusTotal - File - 512a7207048876f3d3edb588847bce9beee620675dd2a280a0efd4f08b0550d6, n.d.*)

Appendix 2

Confirmed Malicious Domain #2 Evidence

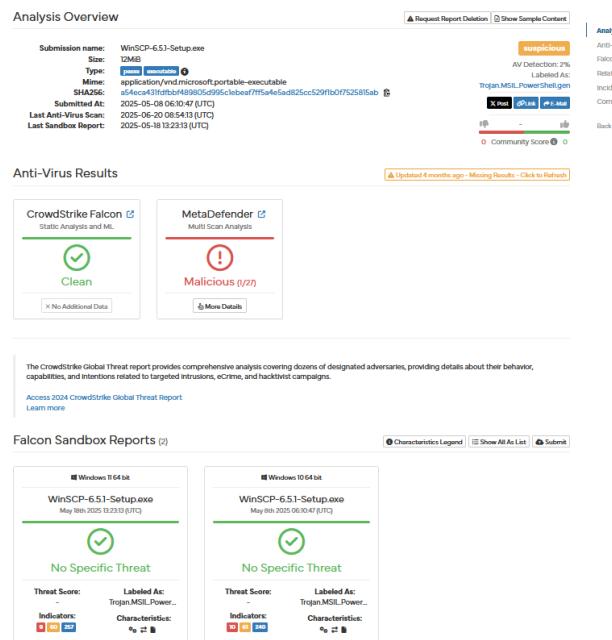


Figure 7: Hybrid-analysis report on Domain #2.

(Free Automated Malware Analysis Service - Powered by Falcon Sandbox, n.d.)

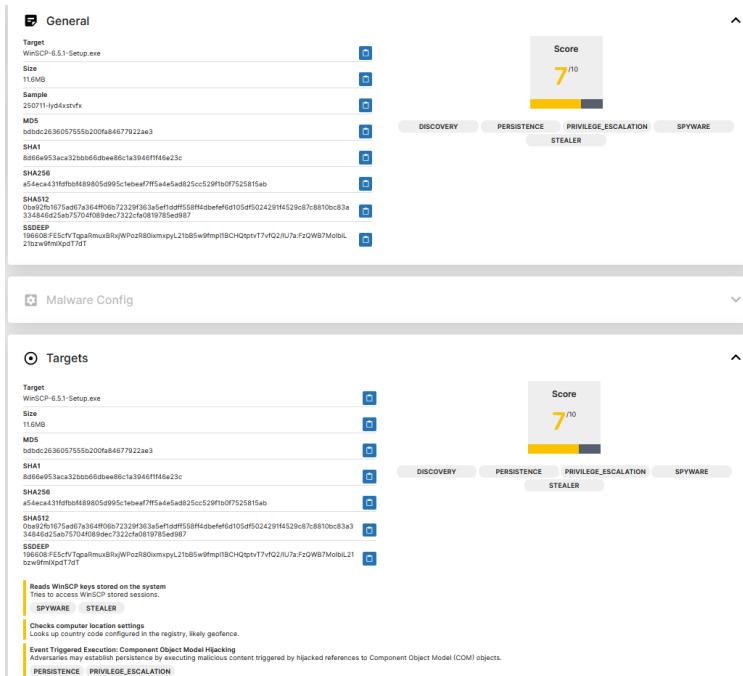


Figure 8: Triage report on domain #2.

(A54eca431fdffbb4889805d995c1ebaf7ff5a4e5ad825cc529f1b0f7525815ab | Triage, n.d.)

Appendix 2

ID:	3612733
URL:	https://winscp.download/WinSCP-6.5.1.exe
URL Status:	Offline
Host:	winscp.download
Date added:	2025-08-27 18:02:10 UTC
Last online:	2025-08-27 20:XX:XX UTC
Threat:	Malware download
URLhaus blocklist:	Not blocked
Spamhaus DBL:	Not blocked
SURBL:	Not blocked
Quad9:	Not blocked
AdGuard:	Not blocked
Cloudflare:	Not blocked
dns0.eu:	Not blocked
ProtonDNS:	Blocked
OpenBLD:	Blocked
DNS4EU:	Not blocked
Reporter:	 huapiwoods188
Abuse complaint sent (?:	 Yes (2025-08-27 18:03:16 UTC to abuse@cloudflare[dot]com)
Takedown time:	1 hour, 58 minutes  (down since 2025-08-27 20:01:48 UTC)

Payload delivery

The table below documents all payloads that URLhaus retrieved from this particular URL.

Firstseen	Filename	File Type	Payload (SHA256)	VT	Bazaar	Signature
2025-08-27	WinSCP-6.5.1.exe	exe	 a54eca431fdfbbf489805d995c1ebeaf7ff5a4e5ad825cc529f1b0f7525815ab	 0.00%		

Figure 9: URLhaus report on domain #2.

(URLhaus - <Https://Winscp.Download/WinSCP-6.5.1.exe>, n.d.)

Appendix 2

winscp.download

104.21.10.40 [Public Scan](#)

URL: <https://winscp.download/> WinSCP-6.5.1.exe
 Submission: On July 25 via manual (July 25th 2025, 3:12:41 am UTC) from US – Scanned from AU

[Summary](#) [HTTP](#) [Redirects](#) [Behaviour](#) [Indicators](#) [Similar](#) [DOM](#) [Content](#) [API](#) [Verdicts](#)

[Add Verdict](#) [Report](#)

Summary

This website contacted 1 IPs in 1 countries across 1 domains to perform 1 HTTP transactions. The main IP is 104.21.10.40, located in Ascension Island and belongs to CLOUDFLARENET, US. The main domain is winscp.download. TLS certificate: Issued by WE1 on June 26th 2025. Valid for: 3 months.

winscp.download scanned 108 times on urlscan.io [Show Scans 108](#)

urlscan.io Verdict: No classification

Live information

Google Safe Browsing: No classification for winscp.download
 Current DNS A record: 188.114.97.3 (AS13335 - CLOUDFLARENET, US)

Downloads

These files were downloaded by the website

WinSCP-6.5.1.exe 12 MB application/x-dosexec [Lookup](#)

SHA256: a54eca431fdfbbf489805d995c1ebeaf7ff5a4e5ad825cc529f1b0f7525815ab
 MIME: PE32 executable (GUI) Intel 80386, for MS Windows
 Size: 12 MB (12208816 bytes, 100% done)
 Downloaded from: <https://winscp.download/WinSCP-6.5.1.exe>

Screenshot

[Live screenshot](#) [Full Image](#)

Page Statistics

1 Requests	100 % HTTPS	0 % IPv6	1 Domains	1 Subdomains
1 IPs	1 Countries	0 kB Transfer	0 kB Size	0 Cookies

Figure 10: URLscan report on domain #2.

(Urlscan.io, n.d.)

Confirmed Malicious Domain #3 Evidence

Analysis Overview

Submission name: 2n8fh6s7js2gd.exe
 Size: 76MB
 Type: [Windows Portable Executable](#)
 Mime: application/vnd.microsoft.portable-executable
 SHA256: c7ba72705a58cc0cfbe0d3ed6f092ad5682le516ec4d127540255257a7e6
 Submitted At: 2025-10-21 09:00:35 (UTC)
 Last Anti-Virus Scan: 2025-10-27 10:33:23 (UTC)
 Last Sandbox Report: 2025-10-27 10:33:24 (UTC)

[Request Report Deletion](#) [Show Sample Content](#)

malicious
 Threat Score: 100/100
 AV Detection: 2%
 Labeled As: Malware [Details](#)

[X-Unit](#) [CPU](#) [E-Mail](#)

Community Score: 0

[Back to top](#)

Anti-Virus Results

[Updated 2 days ago - Click to Refresh](#)

CrowdStrike Falcon: Clean [More Details](#)

MetaDefender: Malicious (1/27) [More Details](#)

What Third Party Security Tests and Reviewers are saying about CrowdStrike Falcon Endpoint Protection:
 - Industry Recognition and Technology Validation

Falcon Sandbox Reports (3)

Windows 11 64 bit: 2n8fh6s7js2gd.exe October 27th 2025 10:33:24 (UTC)
 Threat Score: 100/100
 Indicators: Labeled As: Malware
 Characteristics:

Windows 7 64 bit: 2n8fh6s7js2gd.exe October 26th 2025 03:02:37 (UTC)
 Threat Score: 100/100
 Indicators: Labeled As: Malware
 Characteristics:

Windows 10 64 bit: AnyDesk.exe October 22nd 2025 06:00:38 (UTC)
 Threat Score: 100/100
 Indicators: Labeled As: Malware
 Characteristics:

Figure 11: Hybrid-analysis report on domain #3.

Appendix 2

(Free Automated Malware Analysis Service - Powered by Falcon Sandbox, n.d.)

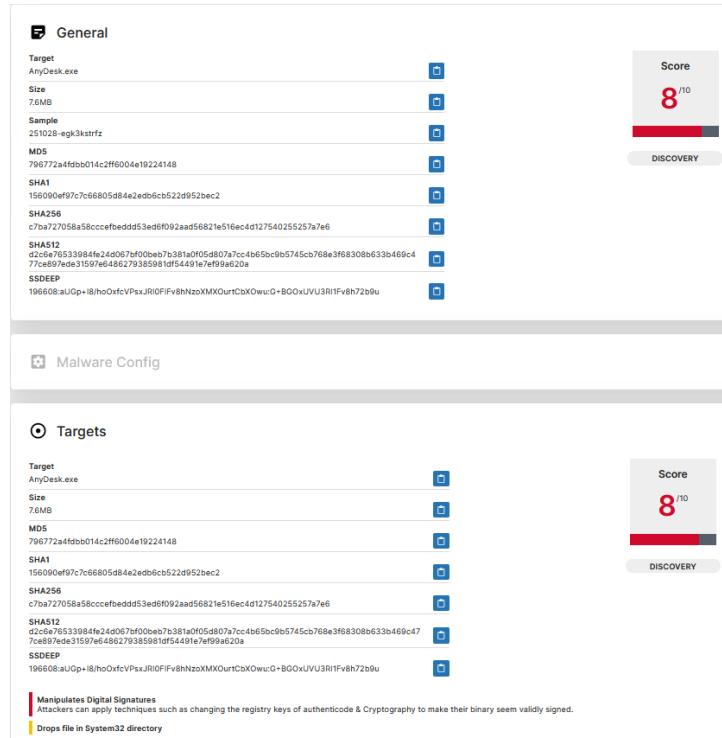


Figure 12: Triage report on domain #3.

(C7ba727058a58cccefbeddd53ed6f092aad56821e516ec4d127540255257a7e6 | Triage, n.d.)

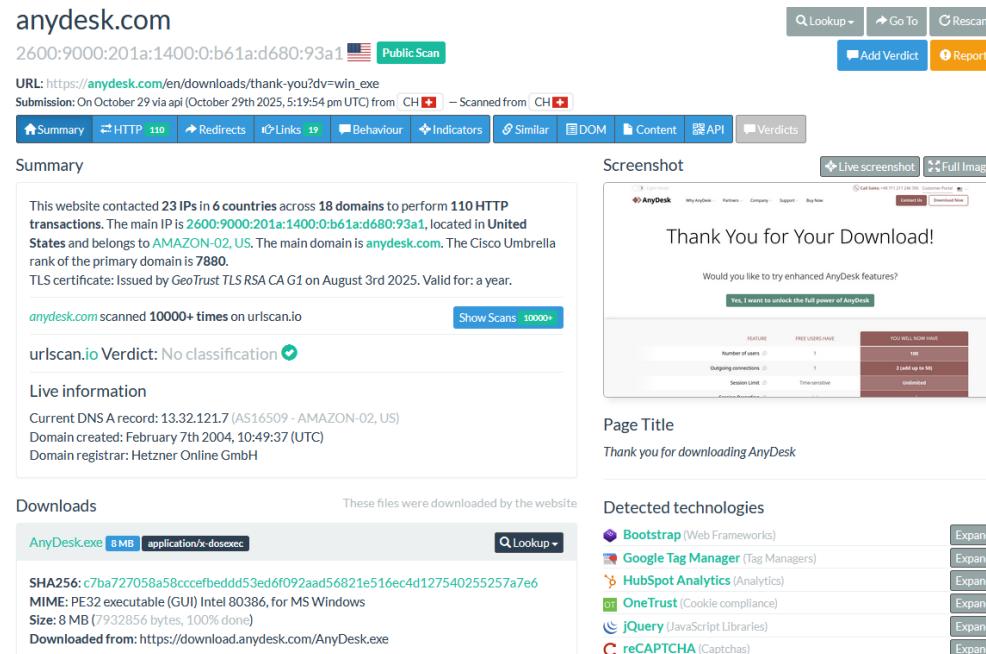


Figure 13: URLscan report on domain #3.

(Urlscan.io, n.d.)

Appendix 2

Sources

Urlscan.io. (n.d.). *Puttyssh.run - urlscan.io*. <https://urlscan.io/result/0198a075-44f2-70bc-95c1-e0b3346508ff/>

512a7207048876f3d3edb588847bce9beee620675dd2a280a0efd4f08b0550d6 | Triage.
(n.d.). <https://tria.ge/250812-d6zftsdn31/behavioral1>

Malicious file 5144c68a496d3b138d847c1508ee2b3b - Intezer. (n.d.).
<https://analyze.intezer.com/files/512a7207048876f3d3edb588847bce9beee620675dd2a280a0efd4f08b0550d6/genetic-analysis>

MalwareBazaar - Putty-Setup_v1.23.exe. (n.d.).
<https://bazaar.abuse.ch/sample/512a7207048876f3d3edb588847bce9beee620675dd2a280a0efd4f08b0550d6>

VirusTotal - File -
512a7207048876f3d3edb588847bce9beee620675dd2a280a0efd4f08b0550d6.
(n.d.). VirusTotal.
<https://www.virustotal.com/gui/file/512a7207048876f3d3edb588847bce9beee620675dd2a280a0efd4f08b0550d6/detection>

Free Automated Malware Analysis Service - powered by Falcon Sandbox. (n.d.).
<https://hybrid-analysis.com/sample/512a7207048876f3d3edb588847bce9beee620675dd2a280a0efd4f08b0550d6>

Urlscan.io. (n.d.). *winscp.download - urlscan.io*. <https://urlscan.io/result/01983f91-91b4-744c-a361-95227e7b0683/>

a54eca431fdfbbf489805d995c1ebeaf7ff5a4e5ad825cc529f1b0f7525815ab | Triage. (n.d.).
<https://tria.ge/250711-lyd4xstvfx>

URLhaus - https://winscp.download/WinSCP-6.5.1.exe. (n.d.).
<https://urlhaus.abuse.ch/url/3612733/>

Free Automated Malware Analysis Service - powered by Falcon Sandbox. (n.d.).
<https://hybrid-analysis.com/sample/a54eca431fdfbbf489805d995c1ebeaf7ff5a4e5ad825cc529f1b0f7525815ab>

Appendix 2

Urlscan.io. (n.d.). Anydesk.com - urlscan.io. <https://urlscan.io/result/019a30fb-b864-757a-9433-ac0e9b157179/>

Free Automated Malware Analysis Service - powered by Falcon Sandbox. (n.d.).

<https://hybrid-analysis.com/sample/c7ba727058a58cccefbeddd53ed6f092aad56821e516ec4d127540255257a7e6>

c7ba727058a58cccefbeddd53ed6f092aad56821e516ec4d127540255257a7e6 | Triage.

(n.d.). <https://tria.ge/251028-egk3kstrfz>