

Appendix 2

OSINT Investigation Appendix 2

CMIT-450-81: Senior Seminar Project

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11.2.2025

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Confirmed Malicious Domain #1 Evidence

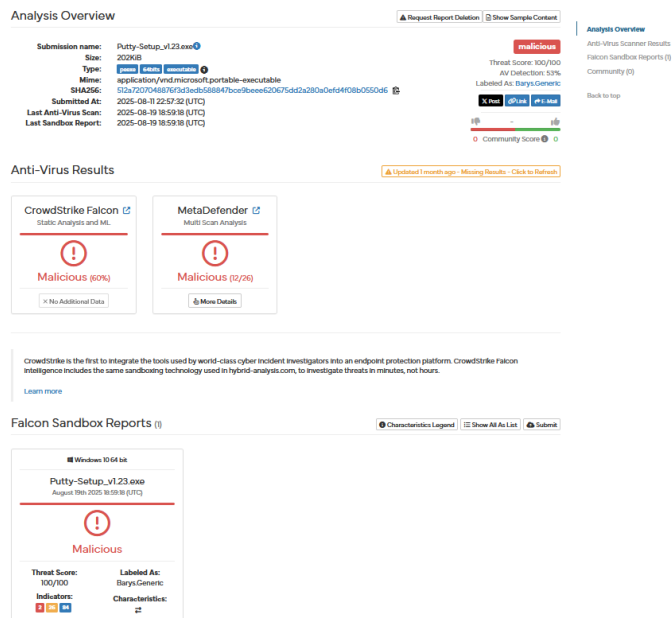


Figure 1: Hybrid-analysis report on domain #1.

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

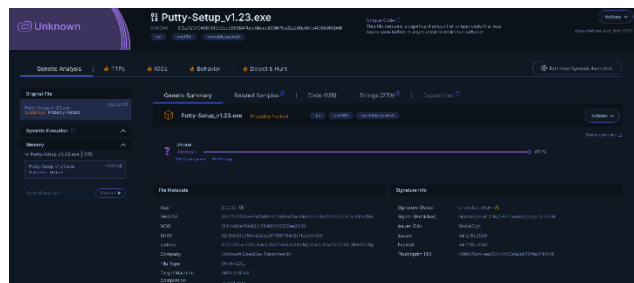


Figure 2: Intezer report on domain #1.

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

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Database Entry

?

Threat unknown

Q

Vendor detections: 10

Intelligence 10	IOCs	YARA 0	File information	Comments	Actions ⌵
SHA256 hash: 512a7207048876f3d3ecb588847bce9beee620675dd2a280a0ef64f08b0550d6					
SHA3-384 hash: 02803e5be708b63bca4a971efdbd893cbe2d82c91002478e482577d02609c7fe5866c2d27c6fcb767b86a206f82430					
SHA1 hash: 52180c91d36542bafa347f56704b87fcb04f84					
MD5 hash: 5144c68a496d3b138d847c1508ee2b3b					
humanhash: april-oven-twelve-india					
File name: Putty-Setup_v1.23.exe					
Download: download sample					
File size: 207176 bytes					
First seen: 2025-08-11 22:53:39 UTC					
Last seen: Never					
File type: exe					
MIME type: application/x-dosexec					
imphash ⌵ : aa01007ee70675acf24b74d96f3e8a0 (2 x CleanUpLoader)					
ssdeep ⌵ : 3072:1Raw+WS0KWQJBQZHRaIq9hOMJamRCUzocTsY31LsP8Kfz2Bp5vc1whVWg0HsBnBMja0hTsCVhTCb					
TLSH ⌵ : 115514884f621901c80679f12da1695515d2fa78a0cbf4790a8603df2f3d62fb1a6fcsac					
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)					
Magika ⌵ : pebin					
Reporter ⌵ : skocherhan					
Tags: see hackernews.com puttyssh.exe malware					

Code Signing Certificate

Organisation:	Bi-Test Limited Liability Company
Issuer:	GlobalSign GCC R45 EV CodeSigning CA 2020
Algorithm:	sha256WithRSAEncryption
Valid from:	2025-08-08T07:17:06Z
Valid to:	2026-03-14T06:33:59Z
Serial number:	20e91e269c6767bc49eb3d34
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:	2d61b13959b4814e0d4b41493596ddfe08a9efc77cf73ee4b44ac3513fcd5af
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.)

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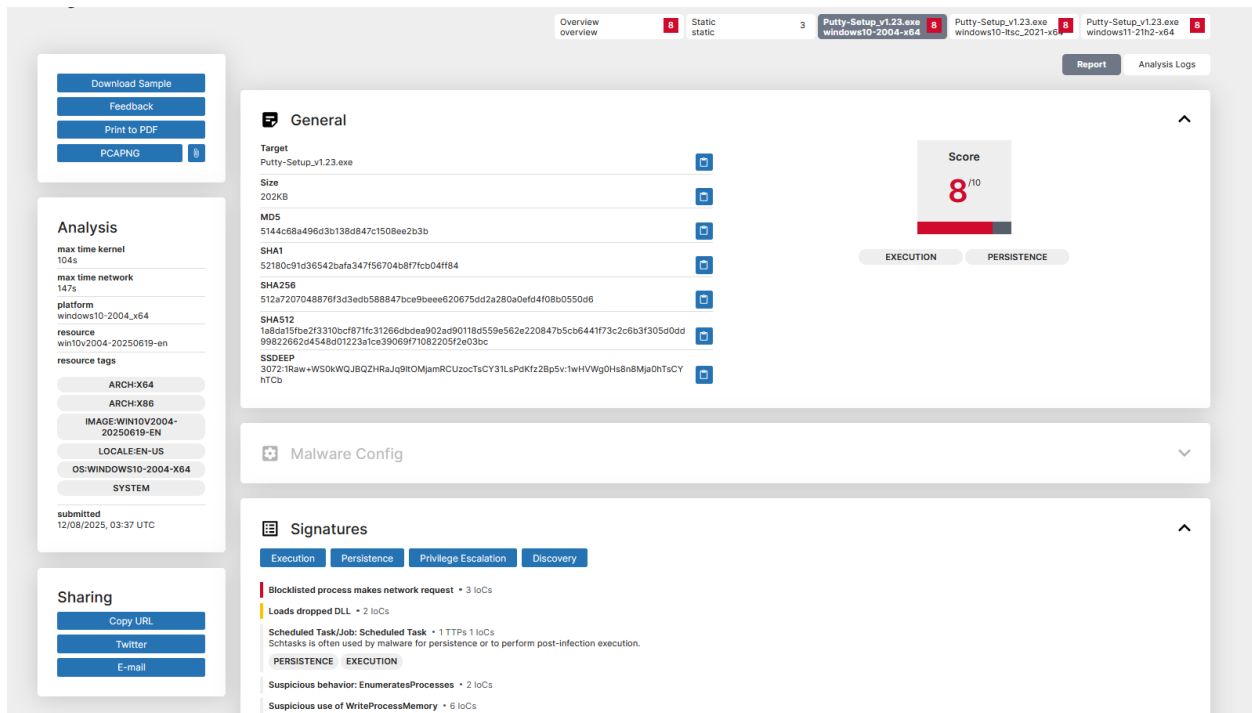


Figure 4: Triage report on domain #1.

(512a7207048876f3d3edb588847bce9beee620675dd2a280a0efd4f08b0550d6 | Triage, n.d.)

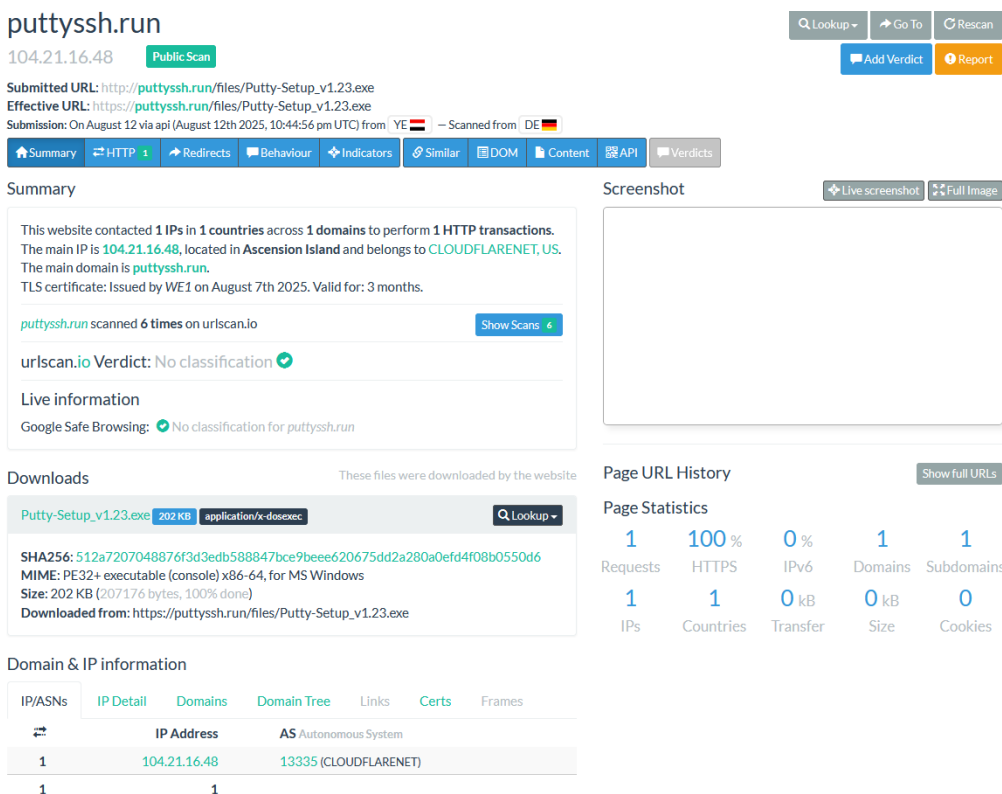


Figure 5: URLscan report on domain #1.

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(Urlscan.io, n.d.)

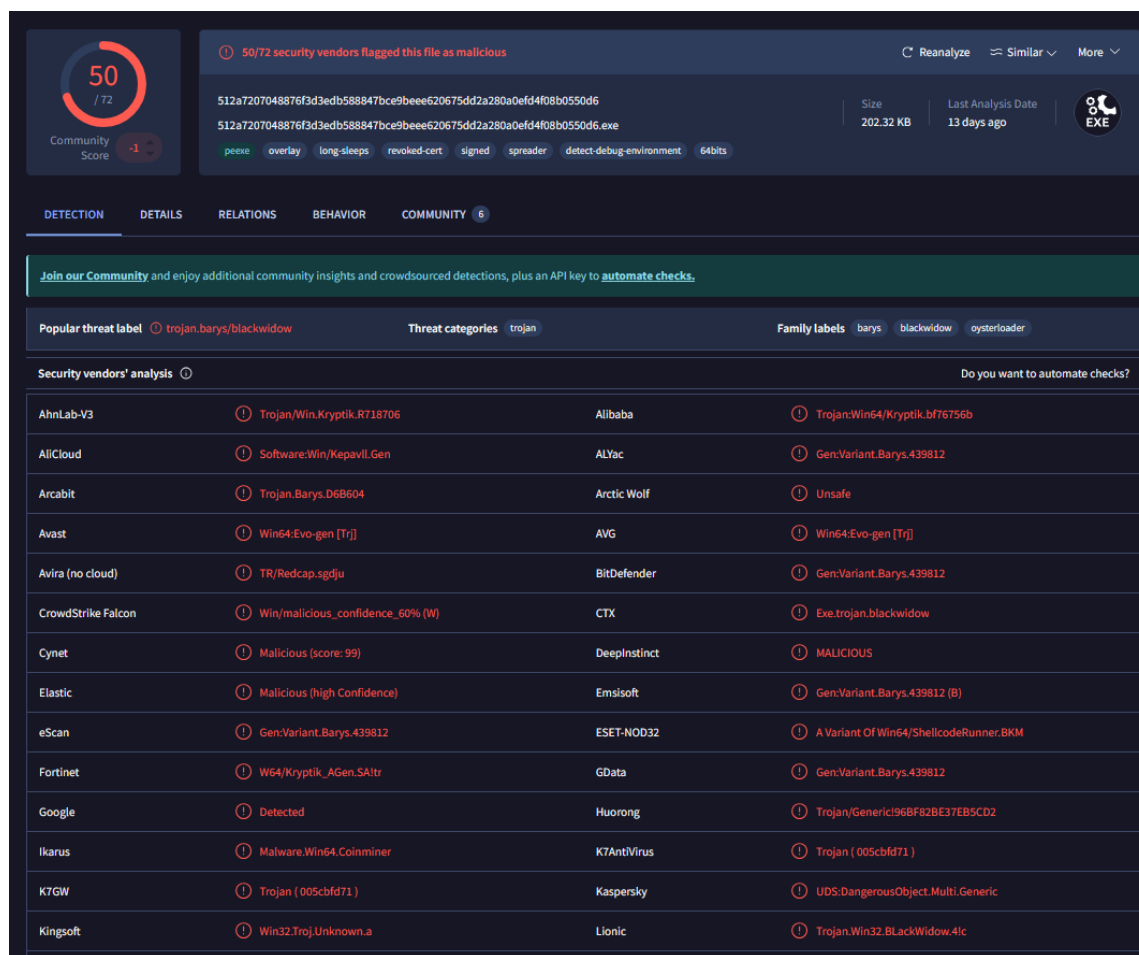


Figure 6: Virustotal scan on domain #1.

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

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Confirmed Malicious Domain #2 Evidence

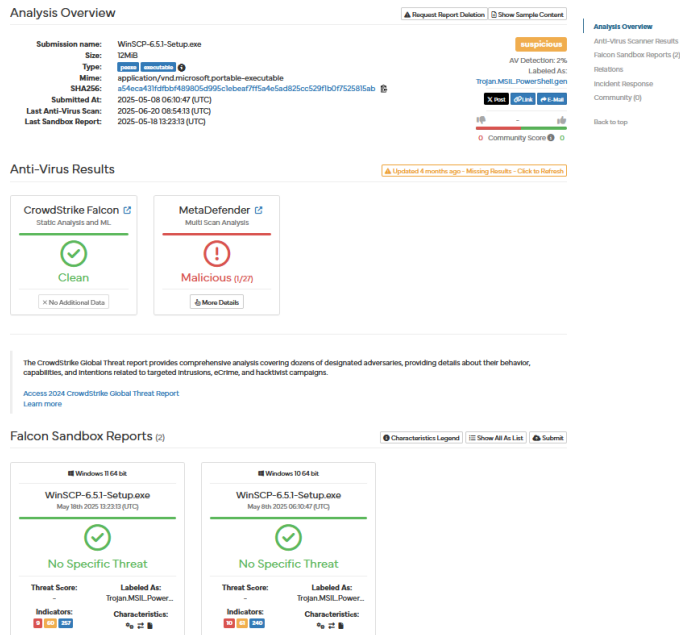


Figure 7: Hybrid-analysis report on Domain #2.

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

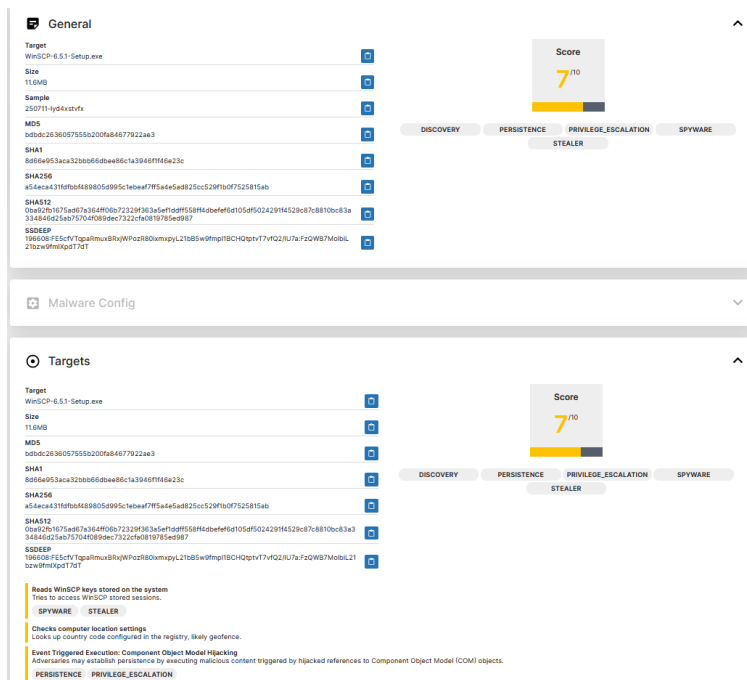





Figure 8: Triage report on domain #2.

(A54eca431fdbbf489805d995c1ebeaf7ff5a4e5ad825cc529f1b0f7525815ab | Triage, n.d.)

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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.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

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)

Screenshot

Live screenshot Full Image

Page Statistics

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

Downloads

These files were downloaded by the website

WinSCP-6.5.1.exe 12 MB application/x-dosexec

Lookup

SHA256: a54eca431fdfbbf489805d995c1e9a7ff5a4e5ad825cc529f1b0f7525815ab

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

Figure 10: URLscan report on domain #2.

(Urlscan.io, n.d.)

Confirmed Malicious Domain #3 Evidence

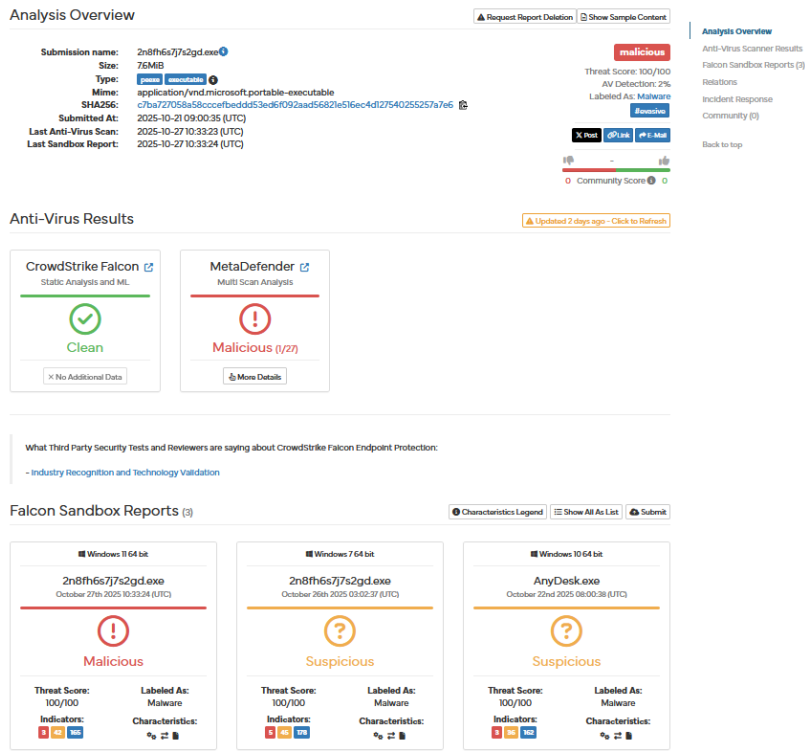


Figure 11: Hybrid-analysis report on domain #3.

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

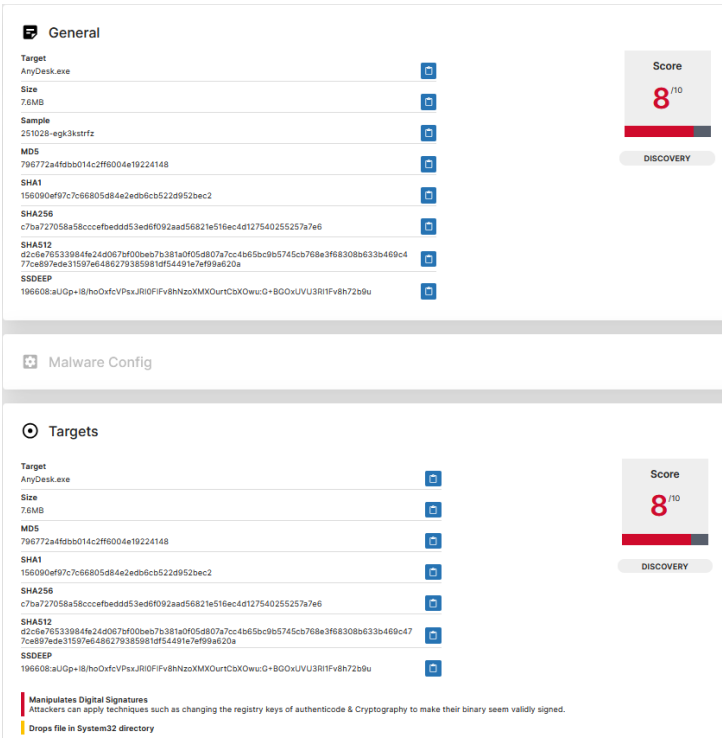


Figure 12: Triage report on domain #3.

(C7ba727058a58cccefbdd53ed6f092aad56821e516ec4d127540255257a7e6 | Triage, n.d.)

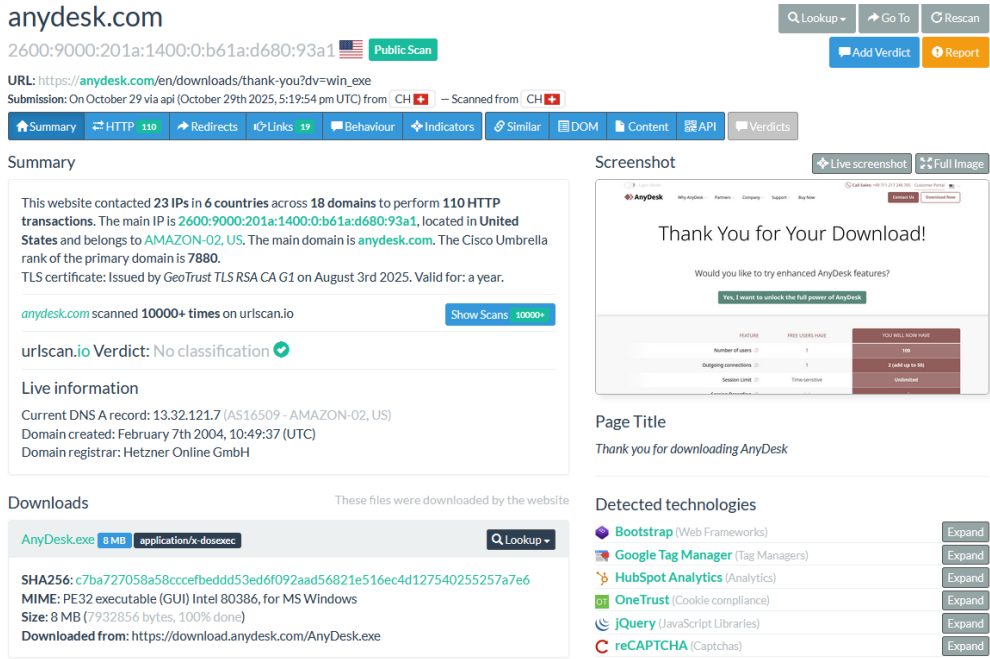


Figure 13: URLscan report on domain #3.

(Urlscan.io, n.d.)

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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>

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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/c7ba727058a58cccefbbeddd53ed6f092aad56821e516ec4d127540255257a7e6>

c7ba727058a58cccefbbeddd53ed6f092aad56821e516ec4d127540255257a7e6 | *Triage*.
(n.d.). <https://tria.ge/251028-egk3kstrfz>