Phishing Email Investigation Report

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Overview

Phishing remains one of the most common and dangerous cybersecurity threats, where attackers impersonate trusted entities to steal sensitive information such as credentials, financial data, or install malware. This report analyzes three phishing URLs sourced from PhishTank, a reputable community-driven phishing repository. Using VirusTotal and Any.Run sandbox tools, the URLs were scanned and analyzed for indicators of compromise (IOCs). Two URLs showed suspicious characteristics, while one appeared clean. The goal is to extract relevant IOCs, summarize findings, and recommend mitigations.

Tools Used

- **PhishTank:** For gathering active phishing URL samples
- **VirusTotal:** Multi-engine URL and file scanning
- **Any.Run:** Dynamic sandbox analysis for behavioral insights
- **MXToolbox:** Email header analysis (not applied here as no email samples)

URL Analysis

URL 1: https://nvq0ac.top/DyIBDPO9HV/login&getFlg=on/

- **VirusTotal:** No significant detections; rated clean to medium risk
- **Sandbox:** No suspicious activity detected during dynamic analysis
- **Notes:** URL may be inactive or low-risk phishing landing page

URL 2: https://serviceuzg.cyou/us/index.html

- **VirusTotal:** Flagged as suspicious by multiple detection engines
- **Sandbox:** Browser process (msedge.exe) executed; network connections to suspicious IPs; multiple dropped files observed
- **Notes:** Potential phishing landing page with associated malicious scripts

URL 3: http://daspol-eu.s10.hostcreators.sk/img/fi/

- **VirusTotal:** Flagged suspicious by multiple engines
- **Sandbox:** Similar behavior to URL 2 with dropped files and network connections
- **Notes:** Active phishing URL hosting potentially malicious content

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Indicators of Compromise (IOCs)

For https://serviceuzg.cyou/us/index.html

- **Phishing URL:** https://serviceuzg.cyou/us/index.html
- **Dropped files (SHA256):**
    - cc6aecf8-6480-4eb0-94fe-30fcdeecf5f0.tmp — cdb4ee2aea69cc6a83331bbe96dc2caa9a299d21329efb0336fc02a82e1839a8
    - coupons_data.db\000017.ldb — 50d42197b44f33e1a778c82a210db43dde3e3972716bbfe41f71a86ae1a1e03a
    - Last Browser — 9c70f766d3b84fc2bb298efa37cc9191f28bec336329cc11468cfadbc3b137f4
    - page_embed_script.js — 8ba9b01fe8eb16e6673b7e5341697ec449026ca902d3f16305924d853a339ad8
    - service_worker_bin_prod.js — 58bf445f708c392ab82e2cdd45e3633bb5e83252f5eeac897d90eb65b0d16151
    - offscreendocument_main.js — 8000ba1c3e8a760839707872c5efd133077ab39ef1ff53b818a3ffacea5021d4
    - the-real-index — 7c336dd1b93b3f0ed5e368d566653e7a8bdb552287d050f56dd9db1dd249fb7c
- **DNS Request Domain:** serviceuzg.cyou
- **Network Connection IP:** 43.130.60.113

For http://daspol-eu.s10.hostcreators.sk/img/fi/

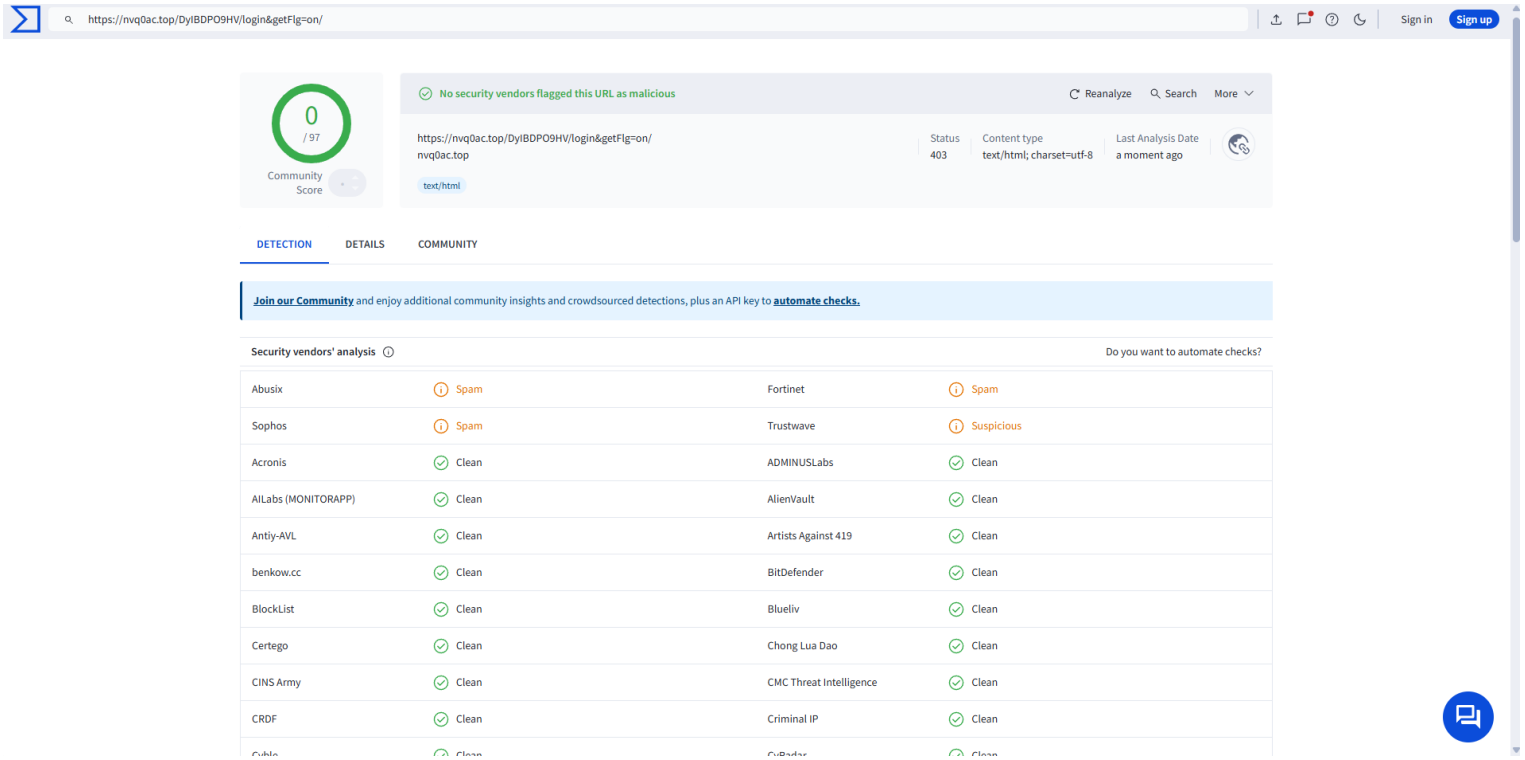
- **Phishing URL:** http://daspol-eu.s10.hostcreators.sk/img/fi/
- **Dropped files (SHA256):**
    - 0a5d4b45-2357-4aca-a426-519cac723032.tmp — cdb4ee2aea69cc6a83331bbe96dc2caa9a299d21329efb0336fc02a82e1839a8
    - coupons_data.db\000017.ldb — 50d42197b44f33e1a778c82a210db43dde3e3972716bbfe41f71a86ae1a1e03a
    - Last Browser — 9c70f766d3b84fc2bb298efa37cc9191f28bec336329cc11468cfadbc3b137f4
    - page_embed_script.js — 8ba9b01fe8eb16e6673b7e5341697ec449026ca902d3f16305924d853a339ad8
    - service_worker_bin_prod.js — 58bf445f708c392ab82e2cdd45e3633bb5e83252f5eeac897d90eb65b0d16151
    - offscreendocument_main.js — 8000ba1c3e8a760839707872c5efd133077ab39ef1ff53b818a3ffacea5021d4
- **DNS Request Domain:** daspol-eu.s10.hostcreators.sk
- **Network Connection IP:** 193.163.77.16

Recommendations

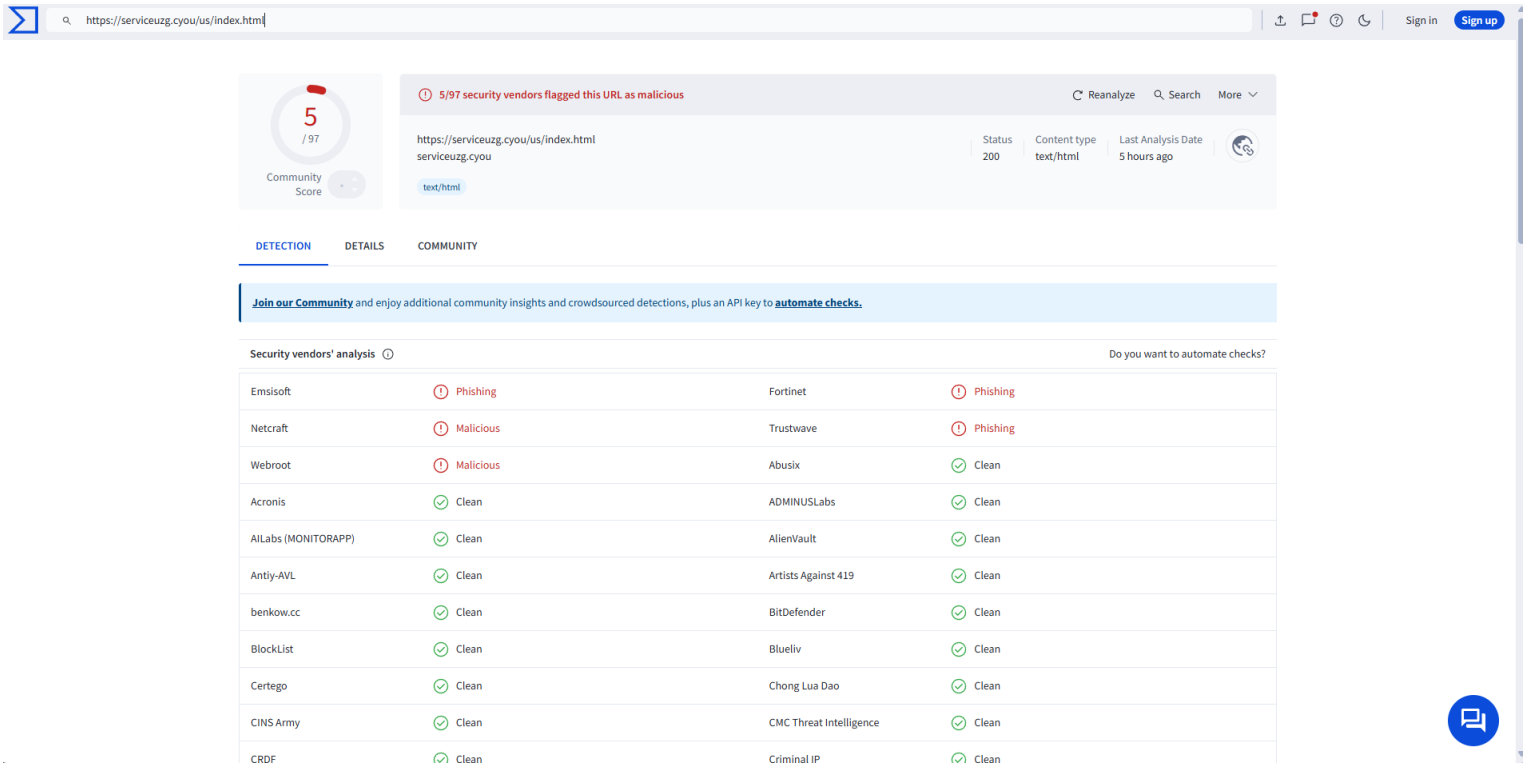
- Block the phishing URLs and related domains at the network perimeter firewall and web filters.
- Implement user awareness training focused on phishing detection and safe email practices.

- Monitor DNS and network logs for traffic related to the listed domains and IP addresses.
- Use advanced endpoint protection tools capable of detecting script-based attacks and suspicious file drops.

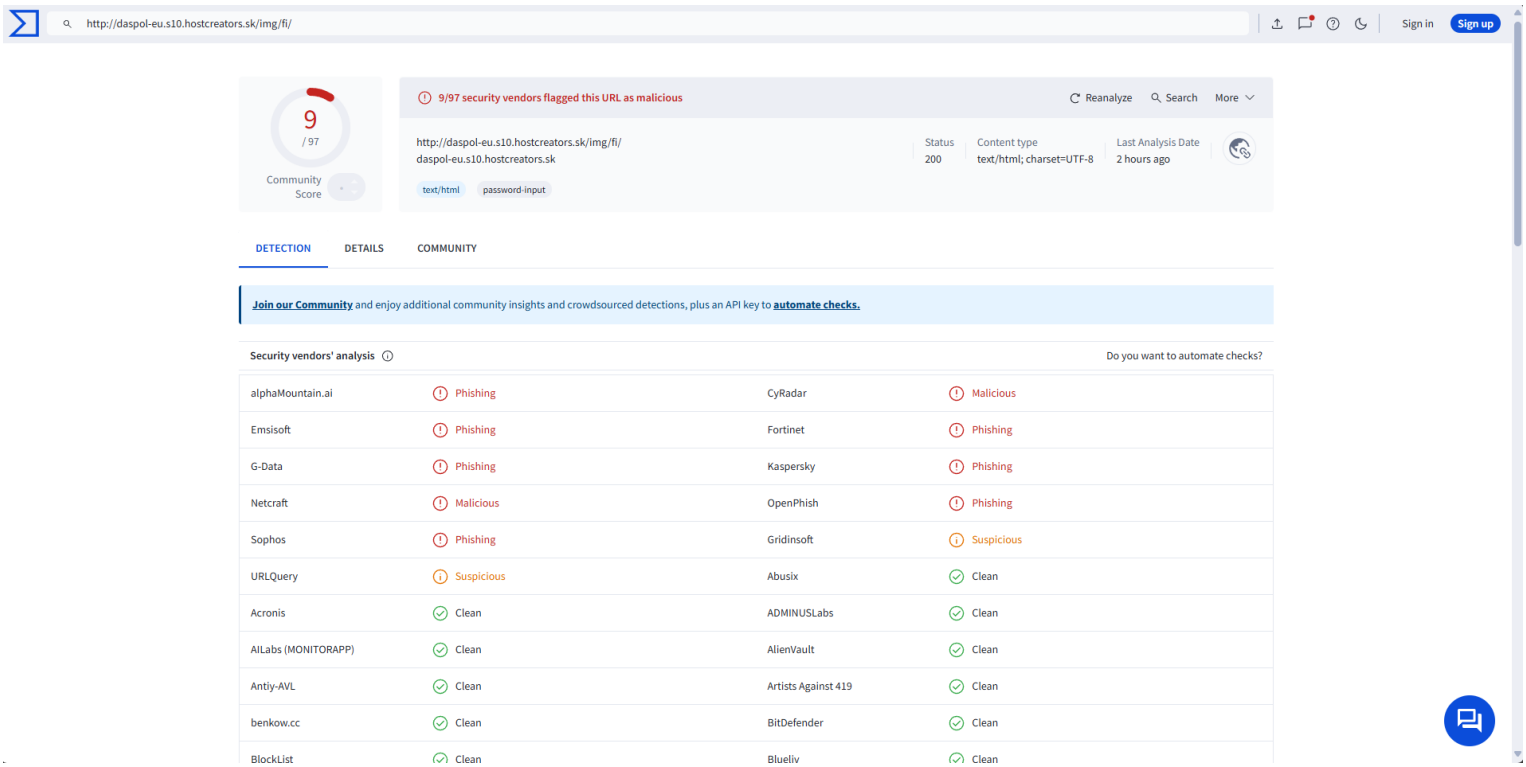
Attachments



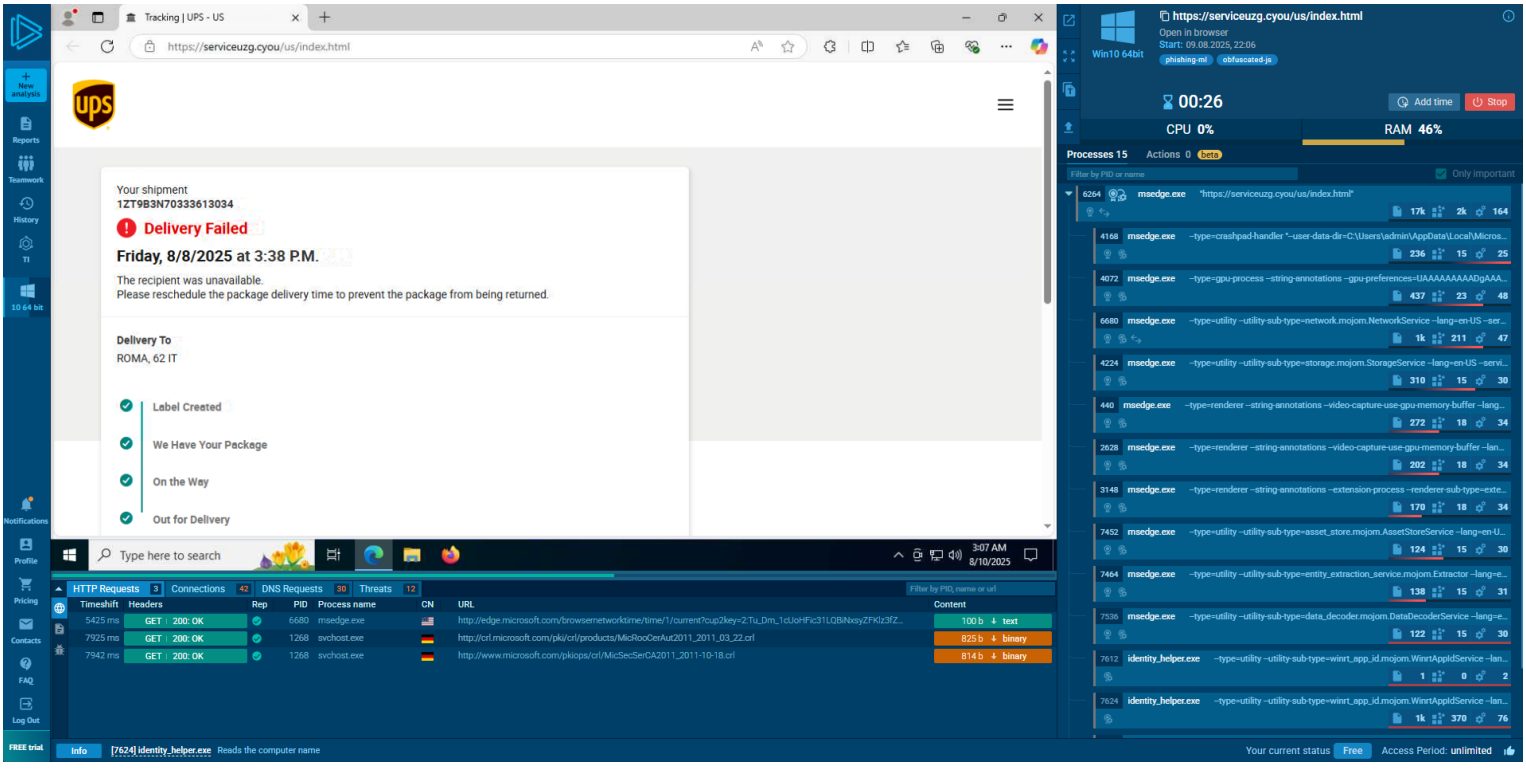
Screenshot 1:
VirusTotal scan results showing detection status for https://nvq0ac.top/DyIBDPO9HV/login&getFlg=on/



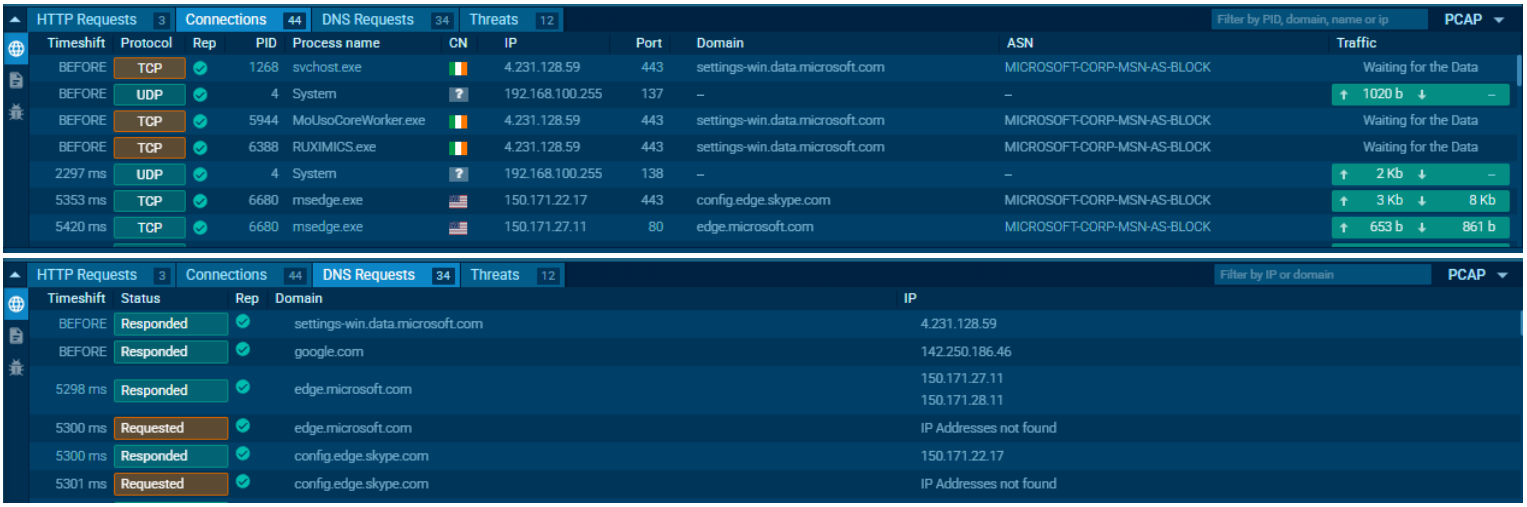
Screenshot 2:
VirusTotal scan results showing suspicious flags for https://serviceuzg.cyou/us/index.html



Screenshot 3:
VirusTotal scan results showing suspicious flags for http://daspol-eu.s10.hostcreators.sk/img/fi/

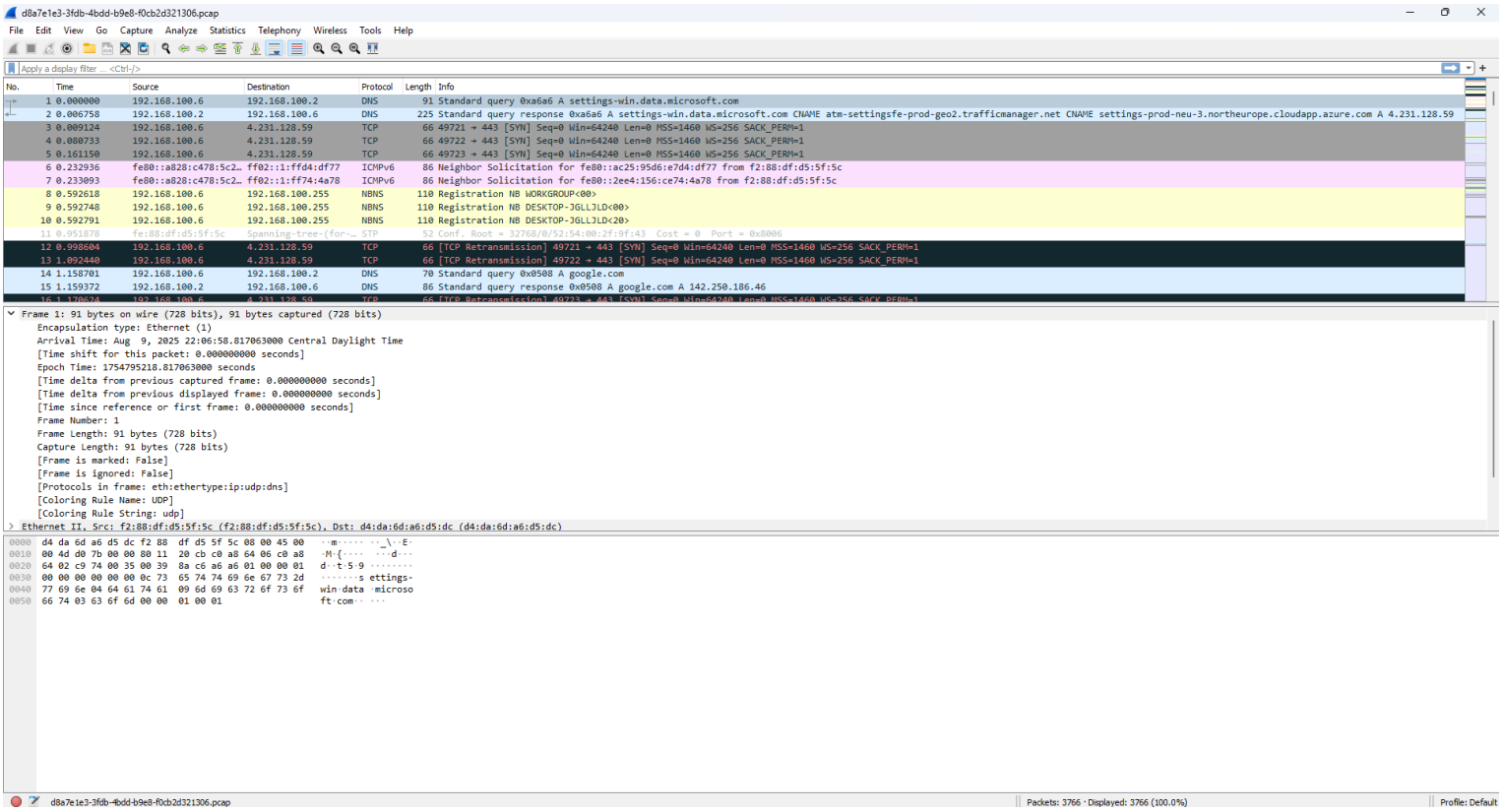


Screenshot 4:
Any.Run sandbox overview capturing browser process activity for https://serviceuzg.cyou/us/index.html



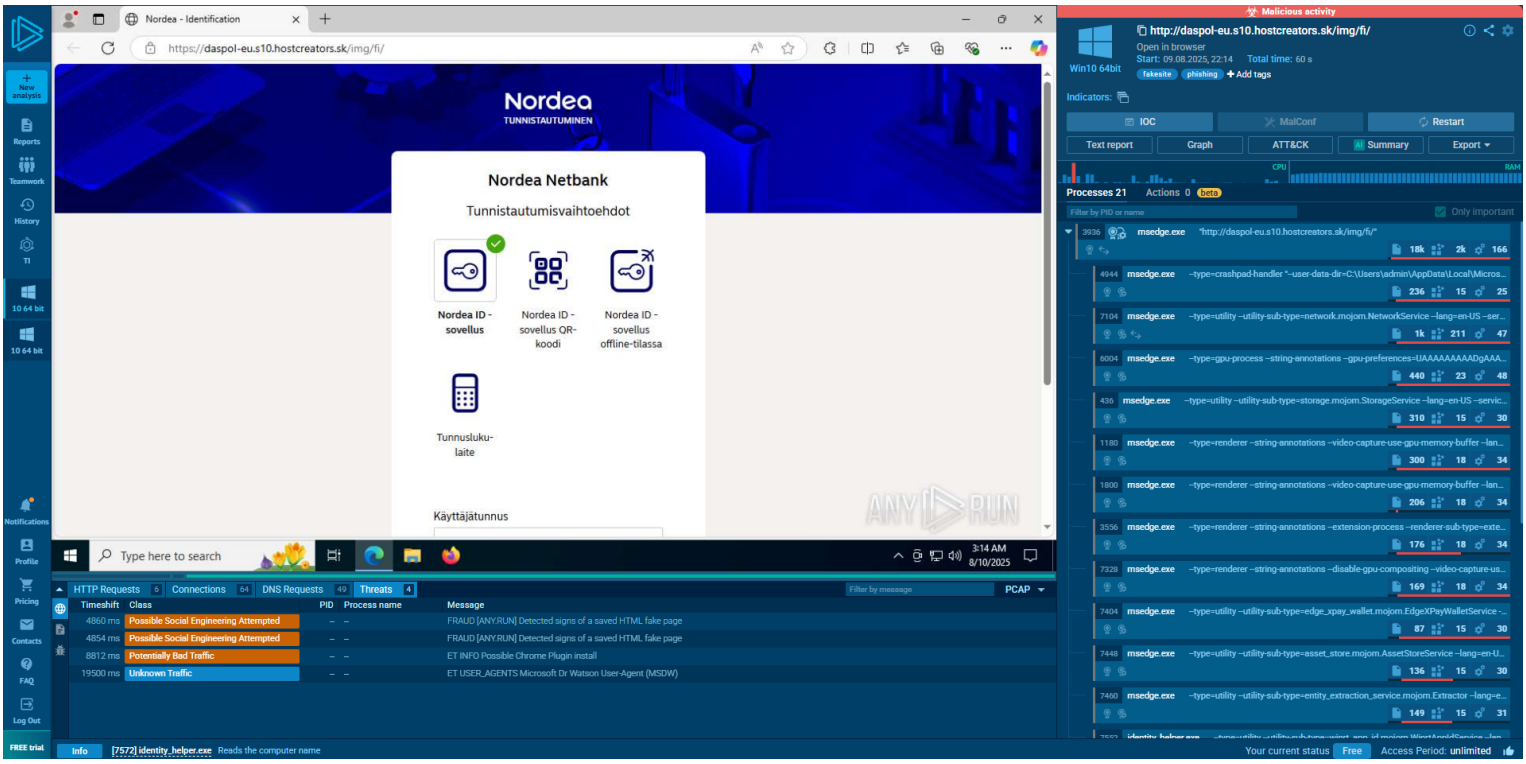
Screenshot 5:

Any.Run sandbox network connections and DNS requests for https://serviceuzg.cyou/us/index.html



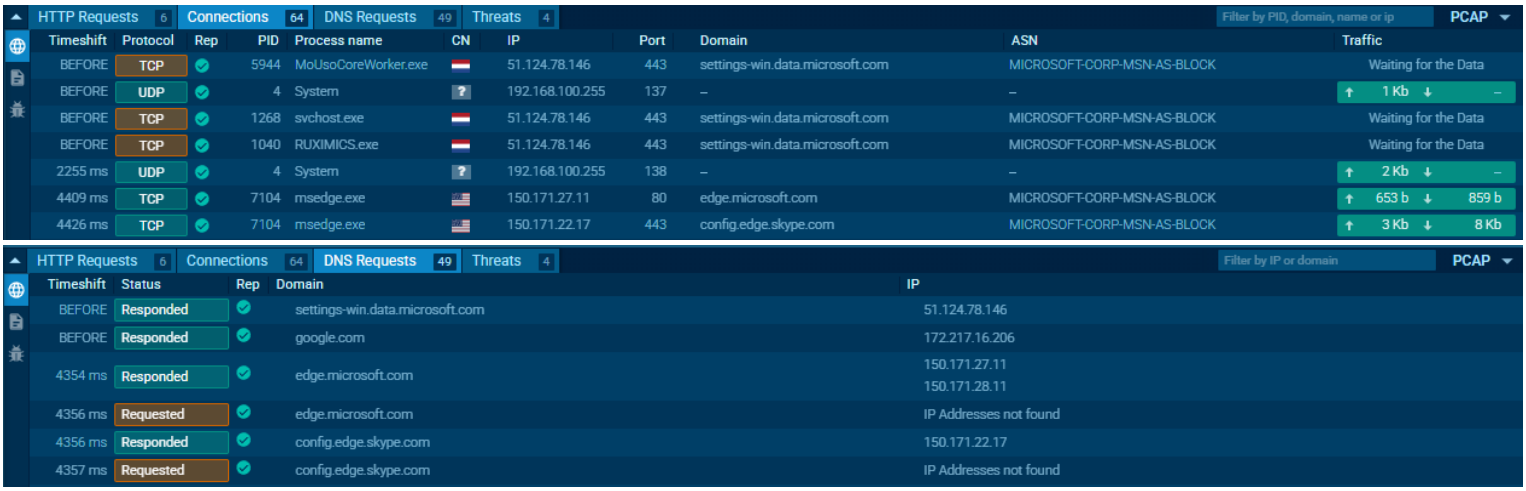
Screenshot 6:

Wireshark DNS request capture showing lookup for domain serviceuzg.cyou during sandbox analysis



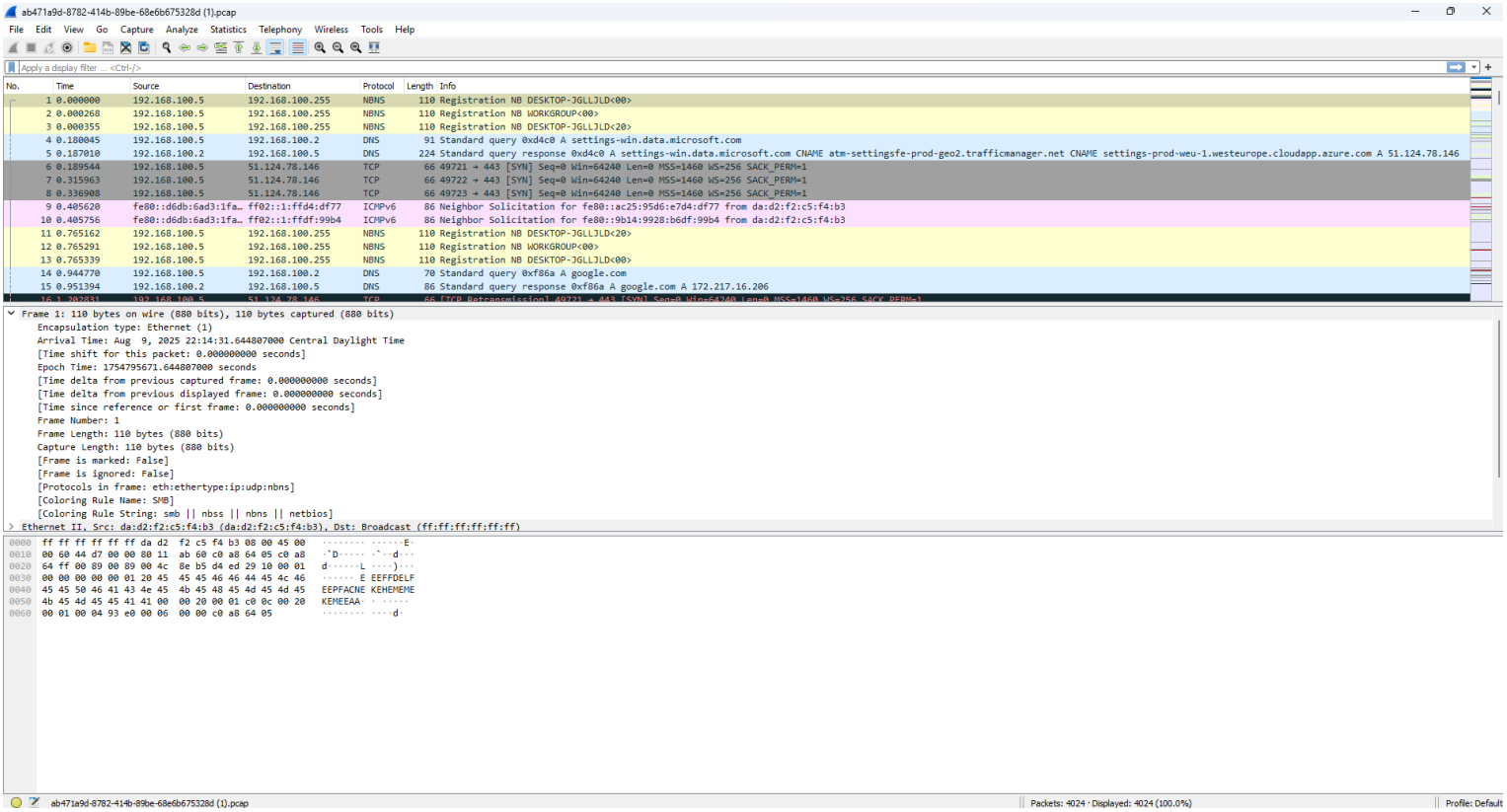
Screenshot 7:

Any.Run sandbox overview capturing browser process activity for http://daspol-eu.s10.hostcreators.sk/img/fi/

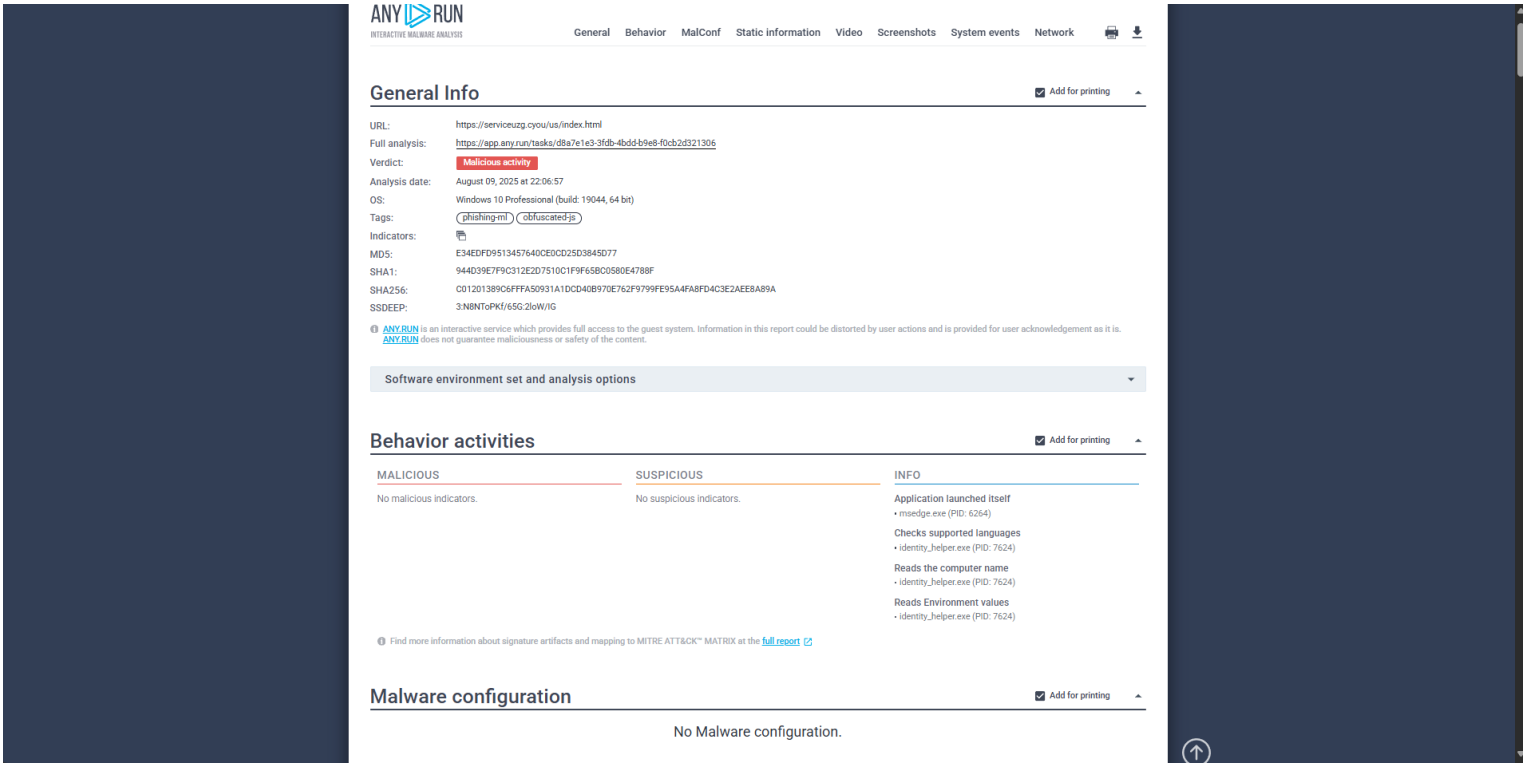


Screenshot 8:

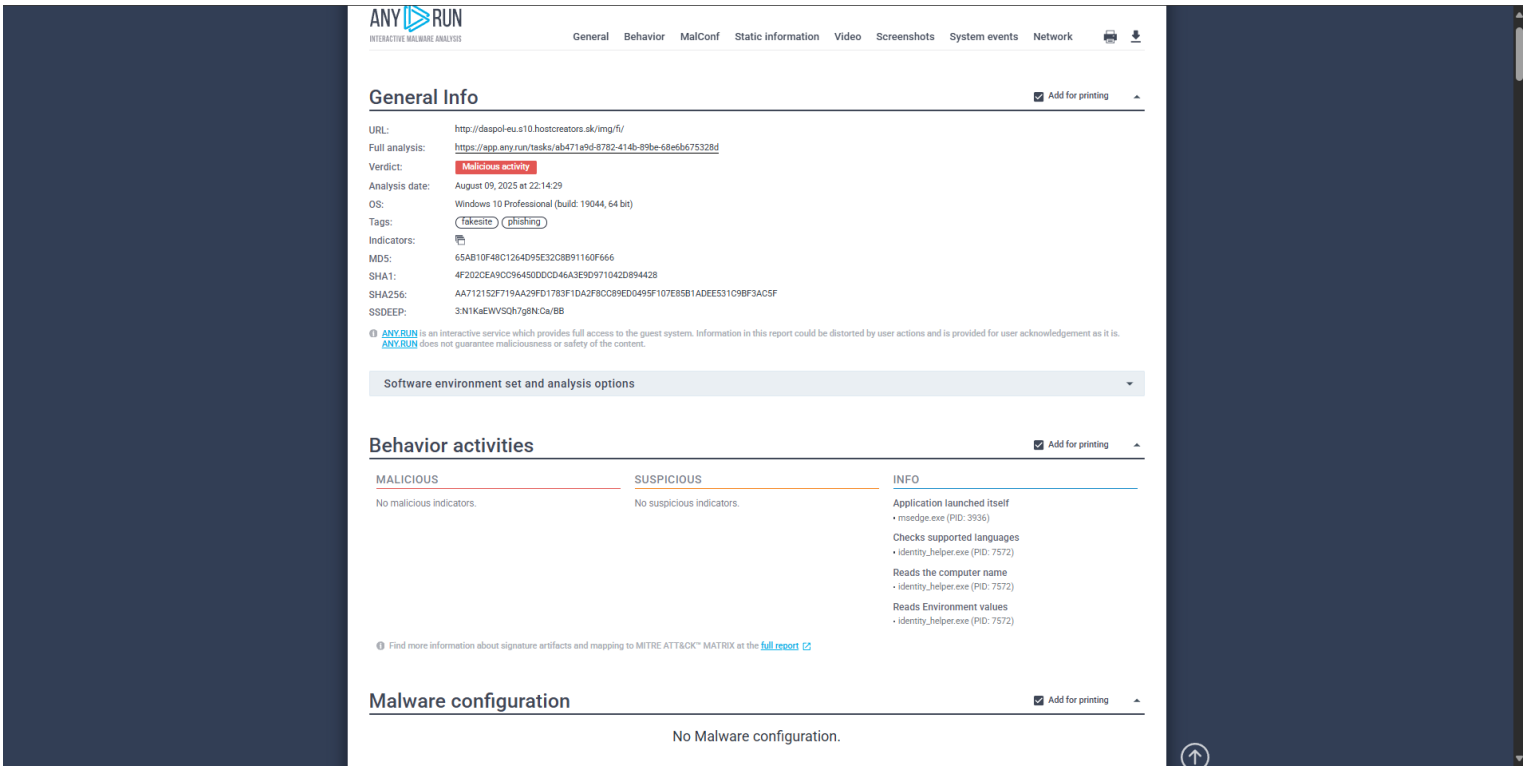
Any.Run sandbox network connections and DNS requests for http://daspol-eu.s10.hostcreators.sk/img/fi/



Screenshot 9:
Wireshark DNS request capture showing lookup for domain daspol-eu.s10.hostcreators.sk during sandbox analysis



Screenshot 10:
Any.Run dynamic analysis report excerpt for https://serviceuzg.cyou/us/index.html



Screenshot 11:

Any.Run dynamic analysis report excerpt for http://daspol-eu.s10.hostcreators.sk/img/fi/