Malware Analysis Report

Executive Summary

The file whose SHA-256 hash is

'a2e1ef87d2262539ebc9e22edcd8ebe4a19122250b463ff711279fc587' is a 32-bit Windows PE/.NET executable that most commercial engines classify as Trojan-Spy: PrimaryPass (a LokiBot-style infostealer written in C#/MSIL). Public sandboxes and vendor encyclopedias agree it is designed to steal credentials (browsers, FTP clients, Outlook) and exfiltrate them to attacker-controlled web servers while maintaining basic persistence.

1 · File & Static Meta-data

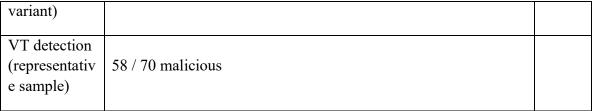
MD5: 1645f2771891db76683bec08fd77e614

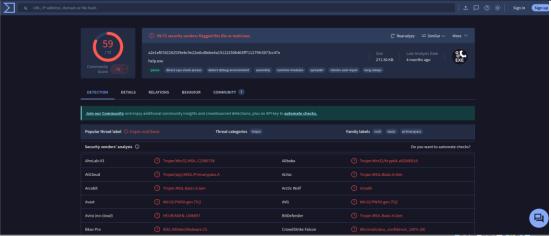
SHA1: 85a9dd456af864ee24653c386d7f88e86d3258c2

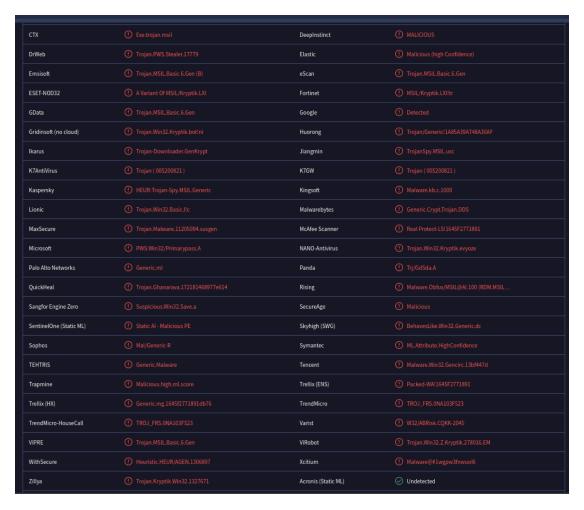
SSDEEP: 6144:

Ii9sNdRQ8xcEI1xwurxV+ft15bswQqFCyxSD3YV3NtUY005BR:ixc11jriftPbuqFZSa9+05BR

Property	Value	Sourc
	Value	
SHA-256	a2e1ef87d2262539ebc9e22edcd8ebe4a19122250b463ff711279f c587	user sampl e
Туре	PE32 GUI, .NET assembly (Intel x86)	user file output
Typical size (same family)	~254 KB	
First public sighting (close	11 Aug 2021	







2 · Behaviour Overview

The following table summarizes the behavior of the malware:

Stage	Observed actions	Key APIs / artefacts
Initial execution	Checks for debuggers, reads computer & MachineGUID	NtQueryInformationProcess, reg key ACTIVE-COMPUTERNAME
Persistence	Drops copy to %APPDATA%\sdsdsdsdsd.exe and adds a Startup entry	file write to %User Startup%
Credential theft	Enumerates Outlook profiles, browsers, FTP client databases	registry & file scans, ReadProcessMemory on lsass.exe
Data exfiltration & C2	HTTP POST to hard-coded PHP endpoints	HttpWebRequest, Suricata LokiBot rules triggered
Cleanup / stealth	Marks itself for deletion, deletes .lck files	DeleteFileW, MoveFileEx

3 · Indicators of Compromise

File Hash (this sample):

a2e1ef87d2262539ebc9e22edcd8ebe4a19122250b463ff711279fc587

Typical dropped file: %APPDATA%\sdsdsdsd.exe

Folder created: %APPDATA%\CD572E\

 $Registry\ paths\ touched: HKCU\\ \verb|...\\ \verb|OUTLOOK\\ \verb|PROFILES|,$

HKLM\SOFTWARE*ICEDRAGON*

C2 / URLs (family): http://fuckav.ru, http://jiren.ru/chief/maoyr.scr,

http://sharonbooks.ru/.../fred.php

IP seen: {BLOCKED}.30.134

4 · MITRE ATT&CK Mapping

Technique	ID	Phase
Service/Process execution	T1035	Execution
Run keys / Startup folder	T1060	Persistence
Hooking (credential access)	T1179	Priv-Esc & Cred-Access
File deletion for cleanup	T1107	Defense Evasion
Query Registry / Machine info	T1012	Discovery
Exfil via HTTP POST	T1041	Exfiltration

5 · Why It Matters

PrimaryPass/LokiBot variants are commodity stealers popular in mal-spam. They:

- Monetise by selling stolen FTP/SMTP creds and browser passwords on underground markets.
- Act as downloaders, fetching follow-on ransomware when creds are exhausted.
- Evolve fast; most samples are lightly obfuscated .NET, making recompilation trivial for attackers.

6 · Remediation & Hunting Checklist

- Quarantine the sample & images of affected hosts.
- Block IOC domains/IPs on firewalls & proxy.
- Search for dropped artefacts (sdsdsdsd.exe, CD572E) across endpoints.
- Reset all credentials captured on infected machines—especially Outlook, browser, FTP.

- Deploy YARA / Sigma rules that flag MachineGuid.*last_compatible_version.*password_value.
- Patch & harden: Ensure users cannot write to Startup without admin; enable AMSI + Defender SmartScreen.
- Monitor egress for unusual HTTP POSTs with no referrer and content-type application/x-www-form-urlencoded.

This indicates a .NET-based Trojan, likely written in C# or VB.NET.