

1. Malware Analysis

File name – 1.pdf

Sha 256 - [0b4e30c8a8ead0bae21046b628cdfc46e6c472e3159784deb80cf22315639e05](#)

Brief about sandbox analysis : Sandbox analysis is a cybersecurity technique used to detect and analyze potential threats, such as malware and suspicious files, in a safe and isolated environment.

no specific threat

AV Detection: Marked as clean

Cryptographic Related

Sample file has high entropy (likely encrypted/compressed content)

Network Analysis

DNS Request

No relevant DNS requests were made.

Contacted Hosts

No relevant hosts were contacted.

HTTP Traffic

No relevant HTTP requests were made.

2. URL Analysis

URL - <http://subtitleseeker.com/>

Is it malicious - NO

URL categories - BitDefender : Education

First Submission - 2011-12-01 09:51:42 UTC

Last Submission - 2023-07-19 20:08:34 UTC

Last Analysis - 2023-07-19 20:08:34 UTC

Brief about the URL

Final URL

<http://ww1.subtitleseeker.com/>

Serving IP Address

[69.16.230.228](#)

Meta Tags

Description:

subtitleseeker.com is your first and best source for all of the information you're looking for. From general topics to more of what you would expect to find here, subtitleseeker.com has it all. We hope you find what you are searching for!

3. Email Header Analysis

Checking header is compliant or not

Headers Found

Header Name	Header Value
Delivered-To	anikateag7316@gmail.com
X-Google-Smtp-Source	APBJJIHikP9tthw6bo9CnJN8DxxG8yp9bL36vQZi3VVPpzHxDPXEU1u3FSPftEmMvyo9YJTf0y87
X-Received	by 2002:a05:620a:130e:b0:767:f845:74e with SMTP id o14-20020a05620a130e00b00767f845074emr771976qkj.62.168996
ARC-Seal	i=1; a=rsa-sha256; t=1689963580; cv=none; d=google.com; s=arc-20160816; b=zip2c6jkrTg9fXD34NMAO4QyEpvEz4Nr32zKNAtuXlp6jvpRNDYXHg+UnYf+ OmV513btRk96e605UzdX9nalim3j5TCBz8TlIJdFMtw6p7dWlccjsTLRFf1w77FBkRJ Gp3vMGeHZR0bM61H2rMBfFa91b+nBy6+cKHnpgH72Kq6yKRhdZIS67IJ8Ao 5D1Q==
ARC-Message-Signature	i=1; a=rsa-sha256; c=relaxed/relaxed; d=google.com; s=arc-20160816; h=feedback-id:message-id:mime-version:subject:reply-to:wtzcvvef4bi/1n1uKxnuql=; fh=hlQerW2X4ClusVXxKio30pV+CN1HftMVMKjI6GoxT8k=; b=FRkJfIfYEx9j+YK3V55bRNcQkR+8SZwkpHfz6nhXz3er+spK9JF+mc6 ZT+F+WEHmMvit9WiODU9y+3gr9JVqmuUT8VgSwP3wvLNQwSTuCWJFkxo.HRl4WnB uqlk23d3i3QJsJdJBfex6uXAWO9xu2iC99i3XRYAOvYFV7SR37HH1HfdM9zyvUc9DzRk bcMg==

- ✗ DMARC Compliant
- ✗ SPF Alignment
- ✓ SPF Authenticated
- ✗ DKIM Alignment
- ✗ DKIM Authenticated

DKIM Authentication: DKIM (DomainKeys Identified Mail) is an email authentication method that adds a digital signature to the email header. It verifies the email's integrity and authenticity by using a private key associated with the sending domain and a public key in the domain's DNS records.

DKIM Alignment: DKIM alignment checks if the domain in the "From" field of an email matches the domain used in the DKIM signature. When they match, it indicates that the sender's identity is valid, increasing email trustworthiness.

SPF Alignment: SPF (Sender Policy Framework) alignment verifies if the domain in the "Return-Path" or "Mail From" field aligns with the domain specified in the SPF record. Alignment confirms that the email's return path is authorized by the domain's owner.

SPF Authentication: SPF is an email authentication protocol that specifies authorized mail servers for a domain. SPF authentication involves checking if the sender's IP address is listed as an allowed sender in the domain's SPF record. A pass result indicates a legitimate sender, while a fail result suggests potential email spoofing.

4. Suggested security controls and how will you implement them.

- Add a firewall to the network to prevent and block untrusted sites and packets.
- Use EDR in the end devices for detection and recovery in case of attacks.
- Enable proper patch management to keep security updated.
- Add IPS to monitor the incoming data.
- Create awareness about cybersecurity and proper ways to handle incidents of breach.
- Create a crisis recovery plan to quickly handle breach.
- Use SIEM for monitoring.
- Implement proper encryption of data and use of strong passwords.
- Enable proper and minimal Access controls.
- Do vulnerability analysis and penetration testing.