

Phishing Email Analysis Report

By:

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1. Executive Summary

Conducted an in-depth analysis of a suspicious email received through the corporate email gateway. The email was isolated in a sandboxed virtual environment and subjected to multi-layered analysis techniques, including header inspection, URL reputation analysis, and threat intelligence gathering. Based on the results, it is concluded that the Email is a phishing attempt designed to lure users into clicking a malicious link.

2. Email Metadata Analysis

2.1 Sender Information

- Return-Path: apache@sk.globalexceltrade.xyz
- Sending Server: SJ1P223MB0531.NAMP223.PROD.OUTLOOK.COM (::1)
- Sender IP Address: 151.80.93.107
- IP Reputation Check (AbuseIPDB): No existing reports were found for this IP address in the AbuseIPDB database. However, the lack of reports does not indicate safety, especially given the suspicious context.

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1 Received: from SJ1P223MB0531.NAMP223.PROD.OUTLOOK.COM (::1) by
2 LV3P223MB0968.NAMP223.PROD.OUTLOOK.COM with HTTPS; Wed, 17 Jul 2024 19:40:22
3 +0000
4 Received: from SJ0PR03CA0105.namprd03.prod.outlook.com (2603:10b6:a03:333::20)
5 by SJ1P223MB0531.NAMP223.PROD.OUTLOOK.COM (2603:10b6:a03:45a::15) with
6 Microsoft SMTP Server (version=TLS1_2,
7 cipher=TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384) id 15.20.7762.29; Wed, 17 Jul
8 2024 19:40:19 +0000
9 Received: from CO1PEPF000042A8.namprd03.prod.outlook.com
10 (2603:10b6:a03:333:cafe::30) by SJ0PR03CA0105.outlook.office365.com
11 (2603:10b6:a03:333::20) with Microsoft SMTP Server (version=TLS1_2,
12 cipher=TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384) id 15.20.7762.28 via Frontend
13 Transport; Wed, 17 Jul 2024 19:40:19 +0000
14 Authentication-Results: spf=pass (sender IP is 151.80.93.107)
15 smtp.mailfrom=sk.globalexceltrade.xyz; dkim=none (message not signed)
16 header.d=none; dmarc=none action=none header.from=;
17 Received-SPF: Pass (protection.outlook.com: domain of sk.globalexceltrade.xyz
18 designates 151.80.93.107 as permitted sender)
19 receivers.protection.outlook.com; client-ip=151.80.93.107;
20 helo=sk.globalexceltrade.xyz; pr=C
21 Received: from sk.globalexceltrade.xyz (151.80.93.107) by
22 CO1PEPF000042A8.mail.protection.outlook.com (10.167.243.37) with Microsoft
23 SMTP Server (version=TLS1_3, cipher=TLS_AES_256_GCM_SHA384) id 15.20.7784.11
24 via Frontend Transport; Wed, 17 Jul 2024 19:40:18 +0000
25 X-IncomingTopHeaderMarker:
26 OriginalChecksum:2279DE30D2832C7949E70789BFC0986820DFBA821577077FDD9CE46DD2EAF7CE;UpperCasedChecksum:CE9099ADE930077602730732E9628EAFD14AC86B4ECC056BC647270ECE39E08C;SizeAsReceived:470;Count:8
27 Received: by sk.globalexceltrade.xyz (Postfix, from userid 48)
28 id 3F51D64514; Wed, 17 Jul 2024 15:38:09 -0400 (EDT)
29 To: phishing@pot
30 Subject: =?UTF-8?B?Q2xhaW0gVW91ciAKMzAuMDAwIEVUSCBSZXdmcG9kTg9XIGZvcjBhIEpwbWl0ZWQgVGl0ZS8Pbm51IQ==?=
31 From: =?UTF-8?B?RGVVCW5r?= <
32 Content-type: multipart/mixed; boundary="--tn3FD0492a"
33 Message-Id: <20240717193809.3F51D64514@sk.globalexceltrade.xyz>
34 Date: Wed, 17 Jul 2024 15:38:09 -0400 (EDT)
35 X-IncomingHeaderCount: 8
36 Return-Path: apache@sk.globalexceltrade.xyz
37 X-MS-Exchange-Organization-ExpirationStartTime: 17 Jul 2024 19:40:18.9934
38 (UTC)
39 X-MS-Exchange-Organization-ExpirationStartTimeReason: OriginalSubmit
40 X-MS-Exchange-Organization-ExpirationInterval: 1:00:00:00.0000000
```

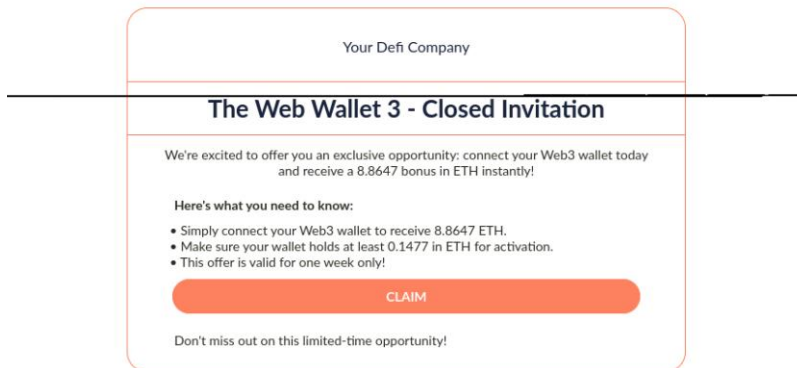
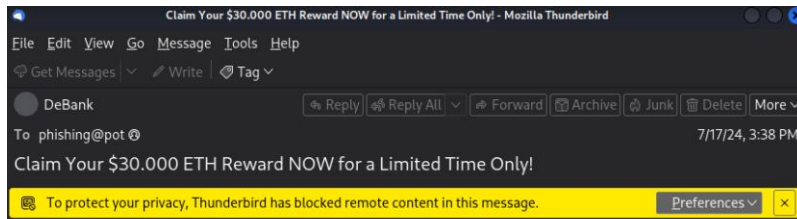
2.2 Email Authentication Results

- **SPF (Sender Policy Framework):** Pass
 - The SPF record validated successfully, suggesting that the sending server is authorized to send mail on behalf of the domain. However, SPF alone is not a reliable indicator of legitimacy.
- **DKIM (DomainKeys Identified Mail):** None
 - No DKIM signature was present, indicating the email was not cryptographically signed. This reduces credibility and makes the email susceptible to spoofing.
- **DMARC (Domain-based Message Authentication, Reporting, and Conformance):** NONE
 - The domain lacks a DMARC policy, increasing the likelihood of unauthorized use and spoofing.

3. Embedded URL Analysis

3.1 Suspicious Link

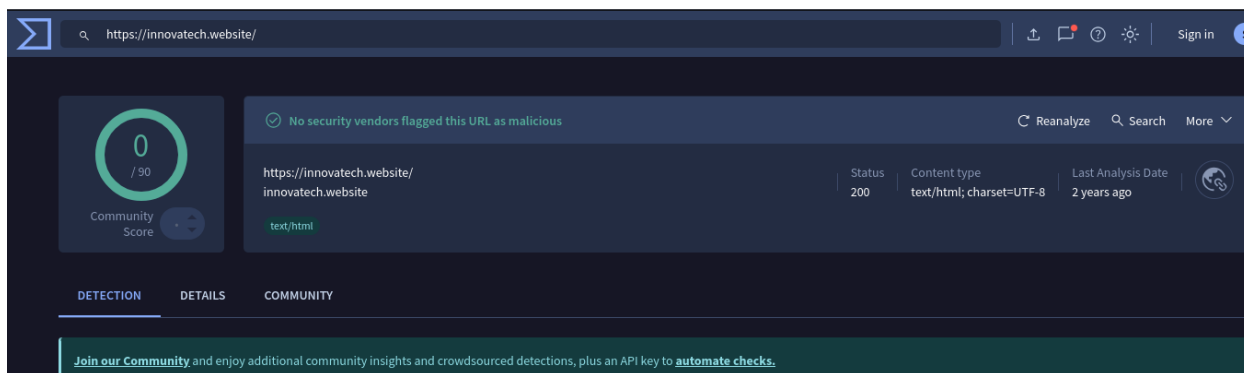
- URL Found in Email: <https://innovatech.website>



I extracted the link and performed scans using the following tools:

 **URLScan.io**

A screenshot of the URLScan.io website showing the scan results for the URL "http://innovatech.website/". The top navigation bar includes "urlscan.io", "Home", "Search", "Live", "API", "Blog", and "Docs". The main heading is "innovatech.website" with the IP address "84.32.84.33" and a "Public Scan" label. The URL is "http://innovatech.website/". The submission details are "On July 07 via manual (July 7th 2025, 2:38:55 am UTC) from CA" and "Scanned from US". A row of buttons includes "Summary", "HTTP: 17", "Redirects", "Links: 7", "Behaviour", "Indicators", "Similar", and "DOM". The "Summary" section is expanded, showing: "This website contacted 9 IPs in 3 countries across 8 domains to perform 17 HTTP transactions. The main IP is 84.32.84.33, located in Vilnius, Lithuania and belongs to AS-HOSTINGER Hostinger International Limited, CY. The main domain is innovatech.website." Below this, it says "innovatech.website scanned 18 times on urlscan.io" with a "Show Scans 18" button. The "Verdict" is "No classification" with a green checkmark icon. The "Live information" section shows "Google Safe Browsing: No classification for innovatech.website" and "Current DNS A record: 84.32.84.33 (AS47583 - AS-HOSTINGER Hostinger International Limited, CY)".



Symantec Bluecoat Site Review



3.2 Threat Intelligence on Domain

- **Domain:** innovatech.website

A WHOIS lookup revealed:

Registrar: HOSTINGER operations, UAB

Registered On: 2024-05-28

The domain appears to be newly registered and lacks a solid reputation, which is consistent with common phishing infrastructure.

4. Threat Intelligence Analysis

4.1 IP Address Reputation

- **IP Address:** 151.80.93.107
- The IP address did not return any reports on AbuseIPDB. However, attackers often rotate IPs and domains, so absence of prior activity does not imply trustworthiness.

4.2 IP Indicators of Compromises (IoCs)

- **Email Header Anomalies:** Missing DKIM/DMARC, mismatched Return-Path and sending server.
- **Malicious URL:** The URL embedded in the email links to a suspicious domain.
- **Unusual Return-Path Domain:** sk.globalexceltrade.xyz is a non-standard and suspicious domain name.

5. Conclusion & Recommendation

5.1 Conclusion

Based on comprehensive email header inspection, authentication failures, and third-party threat intelligence scans, I assessed this email to be a **confirmed phishing attempt**. The email was crafted to trick recipients into clicking a potentially malicious link hosted at innovatech.website. The domain and IP involved indicate red flags that are consistent with phishing infrastructure.

5.2 Recommendations

- **Immediate Quarantine:** Ensure the email is removed from all user inbox
- **Block Indicators:** Add innovatech.website and 151.80.93.107 to all perimeter security blocklists (firewall, proxy, email gateway).
- **Report to Authorities:**
 - Report the phishing attempt to Microsoft via the Security & Compliance Centre.
 - Submit indicators to APWG and Google Safe Browsing.
- **Security Awareness Campaign:** Notify users about this phishing attempt and reinforce phishing awareness training.
- **Enhance Email Filtering:** Strengthen email gateway rules to enforce strict DMARC/DKIM/SPF policies.
- **Threat Hunting:** Initiate monitoring of internal logs and endpoints for any interaction with the flagged domain/IP

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