

Phishing Email Analysis Report

By:

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1. Executive Summary

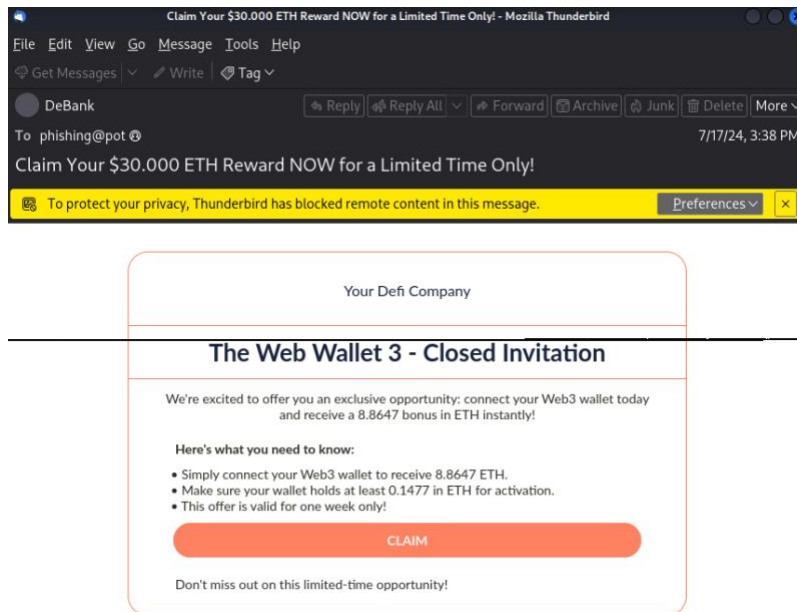
Conducted an in-depth analysis of a suspicious email received through the corporate email gateway. The email was isolated in a sandboxed virtual environment and subjected to multi-layered analysis techniques, including header inspection, URL reputation analysis, and threat intelligence gathering. Based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

- **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 the 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

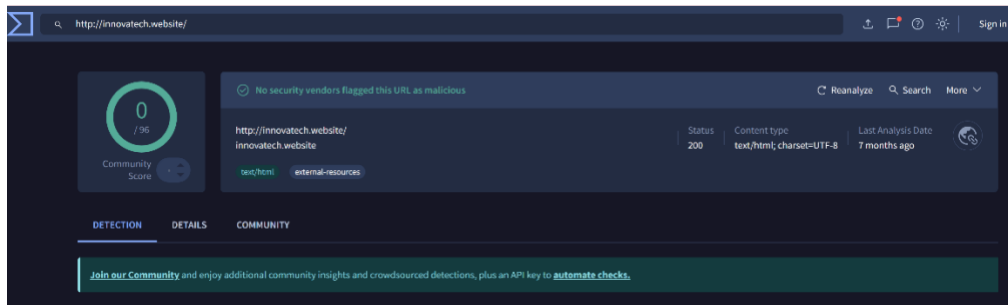
- **URL Found in Email:** <https://innovatech.website>



- I extracted the link and performed scans using the following tools:
 - **URLScan.io**

The image shows the URLScan.io website interface. The top navigation bar includes a search icon, 'urlscan.io', and links for Home, Search, Live, API, Blog, and Docs. The main content area displays the analysis for 'innovatech.website'. It shows the IP address '188.114.97.3' with a 'Public Scan' badge. The submitted URL is 'http://innovatech.website/' and the effective URL is 'https://innovatech.website/'. The submission was on April 07 via manual (April 7th 2025, 5:01:18 am UTC) from QA, scanned from NL. Below this are tabs for Summary, HTTP (34), Redirects, Links (2), Behaviour, Indicators, Similar, and DOM. The 'Summary' tab is active, showing a detailed report: 'This website contacted 2 IPs in 1 countries across 1 domains to perform 34 HTTP transactions. The main IP is 188.114.97.3, located in Amsterdam, Netherlands and belongs to CLOUDFLARENET, US. The main domain is innovatech.website. TLS certificate: Issued by WE1 on April 3rd 2025. Valid for: 3 months.' It also shows that 'innovatech.website' was scanned 2 times on urlscan.io, with a 'Show Scans 2' button. The verdict is 'No classification' with a green checkmark. The live information section shows the current DNS A record: 188.114.97.3 (AS13335 - CLOUDFLARENET, US).

○ VirusTotal



○ Bluecoat SiteReview



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 Indicators of Compromise (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 & Recommendations

5.1 Conclusion

Based on comprehensive email header inspection, authentication failures, and third-party threat intelligence scans, I assess 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 exhibit red flags consistent with phishing infrastructure.

5.2 Recommendations

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

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