

Phishing Email Detection & Awareness System

Project : 02

Assessment Type: Analysing phishing emails

Date: 13-01-2026

1. Analysing Phishing Emails :


Sample 1:

Von target.example.com <noreply@target.example.com> ☆

Betreff target.example.com :- (Voice Message-Access for Clients.Pass-Key-Exception)

An john.doe@target.example.com ☆

Internal Notification: Vmail Recieved for



New Message from (801) 477-6790

Attention : john.doe@target.example.com

Caller-ID :(801) 477-6753.

Length : 00:60 Sec

Date : 2022-03-04

Reception :Vossloh-schwabe Voice Message Service

Download attached file to listen to your voice message

This message was sent to john.doe@target.example.com

Delivery Information

DMARC Compliant

SPF Alignment

SPF Authenticated

DKIM Alignment

DKIM Authenticated

SPF and DKIM Information

dmARC:target.example.com

Show

Solve Email Delivery Problems

DMARC Record for target.example.com

No DMARC Record found for sub-domain.

Organization Domain of this sub-domain is: example.com Inbox Receivers will apply example.com DMARC record to mail sent from target.example.com

SP Tag 'reject' found: Inbox Receivers will reject 100% of all mail sent from target.example.com that fails DMARC.

DMARC Record for example.com (organizational domain)

v=DMARC1;p=reject;sp=reject;adkim=s;aspf=s

spf:target.example.com:192.0.2.1

Hide

Solve Email Delivery Problems

	Test	Result	
+	SPF Record Published	No SPF Record found	More Info

Phishing Indicators :

Indicator	Meaning
SPF fail	Sender not authorized
DKIM fail	Message altered or fake
DMARC fail	Domain spoofing

Risk Classification : PHISHING

Sample 2 :

RenewalbyAndersen <info@ujjufjrm.spaghettimoon.nl> (sent by Trusted Sender)

to me

Why is this message in my inbox?

Report

from: RenewalbyAndersen <info@ujjufjrm.spaghettimoon.nl>

sent by: Trusted Sender <amareswar13724@gmail.com>

to: me@aol.com

date: Jan 10, 2026, 10:21PM

subject: Your Home Renovations Happen With Us

mailing list: <xt.local> [Filter messages from this mailing list](#)

mailed-by: kjhgfiuytr.spaghettimoon.nl

signed-by: ujjufjrm.spaghettimoon.nl

security: Standard encryption (TLS) [Learn more](#)

is spam in the past.

amareswar13724 SAVE ON REPLACING YOUR WINDOWS

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Start My Free Quote

Transform your home today and experience the Renewal by Andersen difference. This offer won't last long, so act now!

https://storage.googleapis.com/dqqa/fose.html

2 / 51

Community Score

297 security vendors flagged this URL as malicious

https://storage.googleapis.com/dqqa/fose.html

storage.googleapis.com

Status 200

Content type text/html

Last Analysis Date 2 days ago

test.html meta-redirect external-resource

DETECTION DETAILS COMMUNITY

Join our Community and enjoy additional community insights and crowdsourced detections, plus an API key to automate checks.

Security vendors' analysis

Do you want to automate checks?

CDF Malicious Phishing Database Phishing

DMARC Compliant

SPF Alignment

SPF Authenticated

DKIM Alignment

DKIM Authenticated

Phishing Indicators :

Indicator	Meaning
SPF pass	Sender authorized and authenticated
DKIM fail	Message altered or fake
DMARC fail	DMARC Quarantine/Reject policy not enabled
URL check	only 1 vendor flagged
Luring Language	Offers will make users click links
Greeting	Used mail to greet not specific name which is suspicious

Risk Classification : Suspicious

Sample 3:

BHEL has announced openings for Engineer Trainee and Supervisor Trainee positions Spam x

Why is this message in my inbox?

Report

from: BHEL recruitment 2025 <info@wayfaretrip.com>

reply-to: BHEL recruitment 2025 <info@wayfaretrip.com>

to: amareswar13724@gmail.com

date: Dec 29, 2025, 11:02 AM

subject: BHEL has announced openings for Engineer Trainee and Supervisor Trainee positions

mailed-by: mail.wayfaretrip.com

signed-by: wayfaretrip.com

security: Standard encryption (TLS) [Learn more](#)

Hello,

Please find the details regarding the **BHEL Recruitment 2025** below:

Post: Engineer Trainee, Supervisor Trainee & Support Roles
Total Vacancies: 1,285
Last Date to Apply: 30 December 2025

Bharat Heavy Electricals Limited (BHEL) has announced openings for Engineer Trainee and Supervisor Trainee positions as part of the 2025 recruitment cycle.

Application Link:
<https://careers.bhel.in>

Regards,

0 / 11

Community Score

No security vendors flagged this URL as malicious

Reanalyze

Search

<https://link.wayfaretrip.com/vtrack?clientId=181800&id=VWMCgQWSEUAVXgVWVUTBEHUIER3uWPsDR9cKMGU55&id=VWMODgGVUHWtBF...>

Link Analysis

Last Analysis: a moment ago

DETECTION

DETAILS

COMMUNITY

Join our Community

and enjoy additional community insights and crowdsourced detections, plus an API key to automate checks.

Security vendors' analysis

Do you want to automate?

Abusix		Clean	Acronis		Clean
ADMINUS Labs		Clean	AILabs (MONITORAPP)		Clean
AlienVault		Clean	Antiy-AVL		Clean
Artists Against 419		Clean	benkneu.cc		Clean

- DMARC Compliant
- SPF Alignment
- SPF Authenticated
- DKIM Alignment
- DKIM Authenticated

Phishing Indicators :

Indicator	Meaning
SPF pass	Sender authorized and authenticated
DKIM pass	Message Authenticated
DMARC fail	DMARC Quarantine/Reject policy not enabled
URL check	Passed
Job Opportunity	Users are desperate to click links

Risk Classification : SAFE

Sample 4:

You have a pending transaction that requires your attention! #33422! [Spam x](#)

info <my@vienacapellanes.com>

to me

from: info <my@vienacapellanes.com>

to: amareswar13724 <amareswar13724@gmail.com>

date: Dec 24, 2025, 9:23 PM

subject: You have a pending transaction that requires your attention! #33422!

mailed-by: eu-west-1.amazonaws.com

signed-by: vienacapellanes.com

security: Standard encryption (TLS) [Learn more](#)

This message may contain sensitive information. If you are not the intended recipient, please do not open, print, copy, forward, or reply with personal information.

[Looks good](#)

OpenSea

You have successfully sold your item!

Congratulations! You successfully sold item #3677482 for 1.1004 ETH using OpenSea.

[View Transaction on Etherscan](#)

Open

Want to receive funds faster?

Connect your wallet to track this transaction in real-time and speed up confirmation if needed.

https://elfreconstruction.ai/sul/7id-0570

1 / 31

Community Score

1/37 security vendor flagged this URL as malicious

https://elfreconstruction.ai/sul/7id-0570

elfreconstruction.ai

techhost

Status: 404

Content type: text/html; charset=UTF-8

Last Analysis Date: a moment ago

REANALYZE SEARCH

DETECTION DETAILS COMMUNITY

Join our Community and enjoy additional community insights and crowdsourced detections, plus an API key to automate checks.

Security vendors' analysis

Trustwave	Phishing	Fortinet	Spam
Abusix	Clean	Acronis	Clean
ADMINUSLabs	Clean	AliLabs (MONITORAPP)	Clean
AlienVault	Clean	Antiy-AVL	Clean

Do you want to automate?

Delivery Information

DMARC Compliant

SPF Alignment

SPF Authenticated

DKIM Alignment

DKIM Authenticated

AbuseIPDB » 54.240.3.23

Check an IP Address, Domain Name, Subnet, or ASN
e.g. 2405:201:c03a:e9c6:e8fa:86f5:2a34:24c6, microsoft.com, 5.188.10.0/24, or AS15169

54.240.3.23

CHECK

54.240.3.23 was found in our database!

This IP was reported 53 times. Confidence of Abuse is 22%.

22%

ISP	Amazon Web Services, Inc.
Usage Type	Data Center/Web Hosting/Transit
ASN	AS16509
Hostname(s)	a3-23.smtp-out.eu-west-1.amazonaws.com
Domain Name	amazon.com
Country	United States of America
City	Seattle, Washington

IP info including ISP, Usage Type, and Location provided by IPinfo. Updated biweekly.

REPORT IP

WHOIS SEARCH

Phishing Indicators :

Indicator	Meaning
SPF fail	Sender not authorized
DKIM Pass	Message not altered as attacker made it since beginning
DMARC fail	Domain spoofing
IP report	IP is reported 53 times for abuse
URL check	Reported as spam
Money Incentives	Sale proceedings on item which will make user to click without verifying legitimacy

Risk Classification : PHISHING

2. Common Phishing Indicators :

Employees should treat emails as suspicious if they include:

Non-technical :

- Urgent or threatening language
- Generic greetings
- Unexpected links or attachments
- Requests for passwords or verification
- Sender and link domain mismatch
- Poor branding or missing contact details

Technical :

- Check SPF and DKIM Records: check if the sender's domain has proper SPF (Sender Policy Framework) and DKIM (DomainKeys Identified Mail) records. These records help prevent email spoofing and phishing.
- use this tools :
 - <https://toolbox.googleapps.com/apps/messageheader/>
 - <https://mxtoolbox.com/EmailHeaders.aspx>

3. Check for URLs and IPs :

Inspect links in the email. Hover over each link without clicking to view the destination URL. Ensure the displayed URL matches the linked text. Verify that the domain is correctly spelled and does not contain unusual characters or substitutions.

1. <https://www.virustotal.com/gui/>
2. <https://www.abuseipdb.com>

4. Risk Classification Model :

Risk Level	Description
Safe	Verified sender, expected content . SPF , DKIM , DMARC should be aligned and authenticated
Suspicious	Unclear intent, requires validation .SPF is aligned and authenticated but not DKIM,DMARC
Phishing	Clear deception and malicious indicators.SPF,DKIM,DMARC arent aligned or authenticated

5. How Phishing Attacks Work :

1. Attacker sends a fake email pretending to be trusted.
2. Email creates fear or urgency.
3. Victim clicks a malicious link.
4. Fake website captures credentials or data.
5. Attacker uses the information for fraud or access.

6. Prevention & Awareness Guidelines

☐ Employee Do's

- Stop and think before clicking
- Hover over links to inspect URLs
- Access accounts via official websites
- Report suspicious emails immediately
- Verify unusual requests with IT or HR

☐ Employee Don'ts

- Click urgent links from emails
- Enter passwords through email links
- Download unexpected attachments
- Reply to suspicious messages
- Ignore reporting procedures