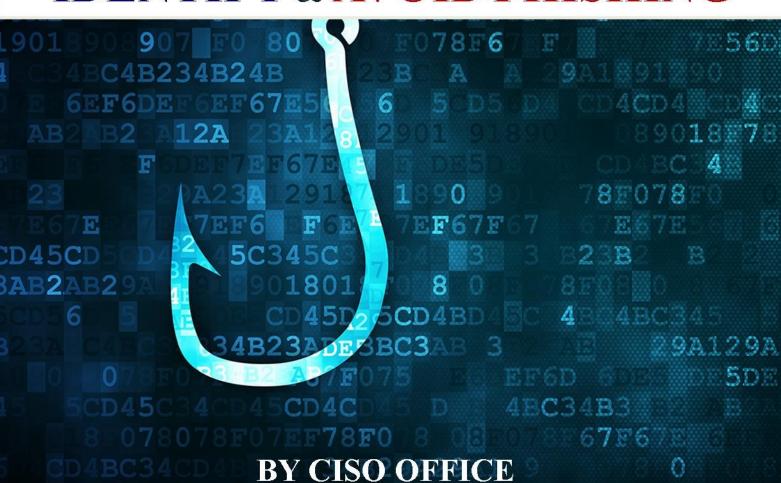


A COMPREHENSIVE GUIDE TO

IDENTIFY & AVOID PHISHING



यूको बैंक UCO BANK (भारत सरकार का उपक्रम)

सम्मान आपके विश्वास का

Honours Your Trust



विज्ञन

स्चना की सुरक्षा हेतु बैंक के लिए एक सुरक्षित साइबर स्पेस बनाना

Vision

To build a secure and resilient cyber space for the Bank to protect information

मिशन

बैंक की बुनियादी संरचना, व्यक्ति, प्रक्रिया और प्रौद्योगिकी के सिम्मलन से साइबर स्पेस में सूचना तथा बुनियादी संरचना की सुरक्षा करना, साइबर के खतरों को रोकना एवं अनुक्रिया करना

Mission

To protect information and information infrastructure in cyber space, build capability to prevent and respond to cyber threat, reduce vulnerabilities and minimize damage from cyber incidents through a combination of the Bank infrastructure, people, process and technology



Phishing and Countermeasures

What's Inside

IDENTIFY & AVOID PHISHING

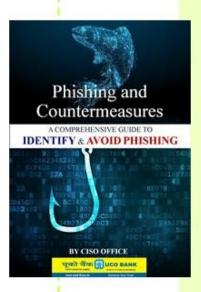


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From the Desk of MD & CEO



Dear UCOites,

In an era where technology is the cornerstone of modern finance, it is imperative that we understand the risks that accompany its advancements. Phishing, a sophisticated cyber threat, preys on vulnerabilities in the digital landscape.

"Phishing and Countermeasures: A Comprehensive Guide to Identify & Avoid Phishing" is more than just a compendium; it is a testament to our collective commitment to cyber-security. It embodies our relentless pursuit of knowledge, our determination to stay one step ahead of cybercriminals, and our unwavering dedication to our customers' trust.

My appreciation to CISO Office team who contributed to this endeavour. Their diligence and passion have yielded a resource that will undoubtedly serve as a beacon of knowledge and empowerment for our employees and customers alike.

As we delve into the pages of this guide, let us remember that cyber-security is a shared responsibility. Each one of us plays a pivotal role in protecting our Bank's reputation, our customers' confidential information, and our Brand image.

I urge all UCOites to absorb the wisdom imparted within these pages, to apply its lessons in daily interactions, and to share this knowledge with your colleagues, friends, and family members. Together, we will fortify UCO Bank's digital fortress against the ever-evolving landscape of cyber threats.

Best wishes,

(Ashwani Kumar)

MD & CEO



From the Desk of Executive Director



Dear UCOites,

In an era defined by rapid technological advancements, the digital landscape presents us with endless opportunities and conveniences. However, it also exposes us to various risks, and none more insidious than phishing attacks. I always believe that knowledge is our most potent weapon against cyber threats. The compendium "Phishing and Countermeasures: A Comprehensive Guide to Identify & Avoid Phishing", is a testament to that belief.

Phishing attacks, with their cunning tactics, have become increasingly sophisticated, making it imperative for us to equip ourselves with the insights required to navigate this landscape securely. "Phishing and Countermeasures" is not just a book; it is a shield forged through collective effort and dedicated research. It offers a comprehensive understanding of phishing techniques and, more importantly, empowers us with effective countermeasures.

As we embrace this guide, remember that cyber-security is not the responsibility of a single department or individual. It is a shared duty, a commitment we all undertake to safeguard our digital realm. Let this compendium serve as a constant reminder of our collective responsibility to remain vigilant, to question, and to learn.

I appreciate the good work done by CISO Office team who have made this compendium a reality. I urge all UCOites to equip with the knowledge it imparts, and spread this knowledge far and wide. Together, we will bolster UCO Bank's defenses against the challenges of the digital era and emerge even stronger and more resilient than before.

Best wishes,

(Rajendra Kumar Saboo)

Executive Director



From the Desk of Chief Information Security Officer



Dear Colleagues,

In a world where our digital interactions have become second nature, the threat of Phishing looms large, exploiting vulnerabilities in even the most robust systems. It is our continuous endeavor to counter unceasing efforts to raise awareness and enhance our resilience against these cyber threats.

"Phishing and Countermeasures" is more than just a compilation of information; it represents our commitment to knowledge dissemination and empowerment. It is a testament to our determination to equip our staff members with the tools and insights necessary to navigate the treacherous waters of the digital realm.

As you delve into the pages of this comprehensive guide, remember that each piece of information, strategy discussed, is designed to empower you. In a landscape where a single click can have far-reaching consequences, awareness and proactive steps are the foundation of our defense.

Let this compendium be your constant companion, a guide that enhances ability to discern legitimate communications from potential threats. Use it not just for your personal benefit, but as a resource to educate and empower those around you.

Together, we can transform UCO Bank into an impenetrable stronghold against phishing attacks. Always remember that cyber-security is not an afterthought – it is a cornerstone of our strength, and together, we shape a cyber-secure culture for UCO Bank.

With regards,

(Mohammad Sabir)

Dy. General Manager & CISO



Introduction: Phishing & Countermeasures

Our Objective

We are committed to proactively safeguarding UCO Bank's digital assets and customer data through security strategies, continuous education, and collaboration.

With utmost integrity and dedication, we strive to anticipate and mitigate cyber threats, instilling confidence in our customers and maintaining their trust as our foremost priority.

From

CISO OFFICE UCO BANK

Head Office, 1st Floor, 10 BTM Sarani, Kolkata - 700001

Phone: 033-4455-7903
E-mail: ciso.office@ucobank.co.in



In an increasingly interconnected world, where technology permeates every aspect of our lives, the threat of cyber-attacks looms larger than ever before. Among the myriad of cyber threats, one stands out for its deceptively simple yet highly effective approach: phishing attacks. Like a stealthy predator lurking in the digital shadows, phishing preys upon the unsuspecting, exploiting human vulnerabilities to breach the fortifications of personal and organizational security.

Welcome to our compendium, "Phishing & Countermeasures". Within these pages, we embark on a journey to unravel the intricate web of phishing attacks and empower our staff members with the knowledge and tools needed to shield ourselves and our organizations from these nefarious acts. Our journey begins with a fundamental understanding of phishing attacks. We delve into the anatomy of these malicious endeavors, exploring how cybercriminals cunningly manipulate human psychology to deceive their targets. From deceptive emails to fraudulent websites, we illuminate the diverse array of phishing techniques that lay the groundwork for a successful attack.

Armed with this compendium, we stride forward, prepared to thwart the deceptive tactics of the phishing predators and emerge victorious in the ongoing battle to safeguard our digital world. Together, let us raise the shield of awareness and wield the sword of knowledge to defend against the dark art of phishing.

What is Phishing?

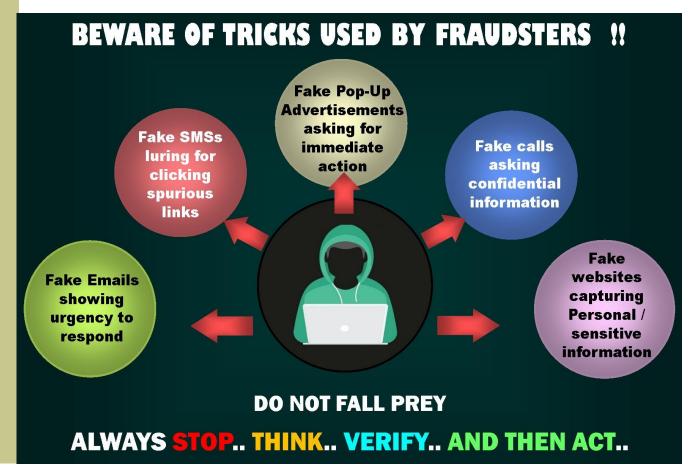




Phishing is a type of cyber attack in which malicious actors attempt to deceive individuals or organizations revealing sensitive into information, such as login credentials, financial data, or personal details. The attackers usually masquerade as trusted entities, such as banks, social media platforms, or reputable companies, to manipulate victims into taking their specific actions. These actions

often include clicking on malicious links, downloading infected files, or providing sensitive information.

Phishing attacks typically involve the use of deceptive communication methods, such as fraudulent emails, fake websites, or social engineering tactics, to trick recipients into believing the messages are legitimate. Attackers rely on human psychology and emotions, exploiting factors like fear, urgency, curiosity, and trust to increase the



Why do we become Victims?



Despite advances in cybersecurity, falling victim to phishing attacks remains a prevalent and disconcerting reality. The persuasive tactics of cybercriminals, coupled with our innate vulnerabilities to social engineering, make us susceptible to phishing attempts.



The Cost of not being Cyber Aware

Phishing, a treacherous cyber threat, inflicts significant negative impacts on both individuals and organizations. For individuals, it spells financial loss, privacy breaches, and emotional distress. Conversely, organizations face tarnished reputations, financial setbacks, and operational disruptions when succumbing to the deceitful ploys of phishing attackers. Vigilance and proactive cyber-security measures are imperative to mitigate these grave consequences.



Importance of Phishing Awareness and Mitigation



The significance of understanding and effectively countering phishing attacks cannot be overstated. Here's why phishing awareness and mitigation are crucial:

Protecting Sensitive Information: Phishing attacks aim to steal sensitive data, such as usernames, passwords, financial information, and personal details. By raising awareness about phishing techniques and tactics, individuals and organizations can be better equipped to safeguard their valuable information.



Preventing Financial Loss: Phishing attacks can lead to substantial financial losses, both for individuals and businesses. Cybercriminals may use stolen information to conduct fraudulent transactions, compromise financial accounts, or engage in identity theft. By implementing effective mitigation strategies, potential financial damage can be mitigated or avoided altogether.



⇒ Safeguarding Personal Privacy: Phishing attacks can result in the exposure of private information, leading to a breach of personal privacy and potential consequences like blackmail, harassment, or reputational damage. Awareness and mitigation measures help individuals protect their privacy and maintain control over their data.



⇒ Protecting Organizational Data and Reputation: For organization, falling victim to a phishing attack can have severe repercussions. Data breaches can damage a company's reputation, erode customer trust, and result in legal and regulatory consequences. Phishing awareness and mitigation efforts are essential to safeguarding sensitive business data and maintaining a positive brand image.



Reducing Downtime and Productivity Loss: Phishing attacks can disrupt normal operations, causing downtime and productivity loss. Educating employees about phishing risks and best practices can minimize the likelihood of successful attacks, leading to a more secure and efficient work environment.



Enhancing Cyber-security Culture: Promoting phishing awareness and mitigation contributes to building a strong cyber-security culture within an organization. When all employees are vigilant and informed, they become an active line of defense against cyber threats.



Understanding Phishing Techniques



In the treacherous landscape of cybersecurity, where cyber threats loom like lurking shadows, phishing stands as one of the most insidious and effective forms of attack. To confront this peril head-on, one must first comprehend the diverse array of phishing techniques deployed by cunning cybercriminals.

COMMON PHISHING LURES

Email Phishing:

These are Fake emails that appear trustworthy. Contain links that might lead victims to illegitimate websites that can trick them into handing over personal data.



TIPS

Never click on any unknown link and avoid sharing your sensitive data on random websites

TIPS

Never answer a call from an unknown number and never give your Personal details to anyone over the phone



Phone Call (Vishing):

Cybercriminal scams victims through phone calls and tricks them into revealing their Personal details such as Card number, CVV, Expiry date, PIN, OTP etc.

Text Messages (SMiShing):

Fraudsters use text messages (SMS) to lure victims into downloading mobile malware, visiting malicious websites, or calling a fraudulent phone number.



#= TIPS

Do not reply to such SMSs and avoid clicking on any link. Always delete the message and block the sender

TIPS

Resist the temptation to insert an unknown USB device into your system



USB Baiting:

Cybercriminals leave USB devices for people to find and plug into their computers either out of curiosity or in the hope of finding a rightful owner.

Understanding Phishing Techniques......contd.



Spear Phishing



Spear phishing often targets high-profile individuals, executives, or employees within an organization. Attacker may use details such as the target's name, job title, or affiliations to make the email seem legitimate to create convincing messages to lure individuals.

Whaling



Whaling attacks specifically target high-ranking individuals / high-level executives within an organization. Attackers attempt to gain access to sensitive data or financial information by impersonating these individuals.

Pharming



Redirect victims to fraudulent websites without their knowledge or consent to divulge sensitive / confidential information like username, password, Financial credentials, Card Details etc.

Some Phishing Baits









PROVOKES
FEAR
By threatening to face negative consequences



REQUESTS TO RESPOND By asking personal information



TOO GOOD
TO BE TRUE
By offering
unusual lotteries
or prizes



EXERCISING
AUTHORITY
By impersonating
as Top
Management

Do not Click, Respond or Download !!!







TEXT MESSAGE

Ask to call a number to claim prize money

Ask for KYC Updation

Ask for Aadhaar Number

EMAIL

Ask to download attachment / click link

Ask to fill out forms

Misspelled words

PHONE CALL

Ask for immediate response

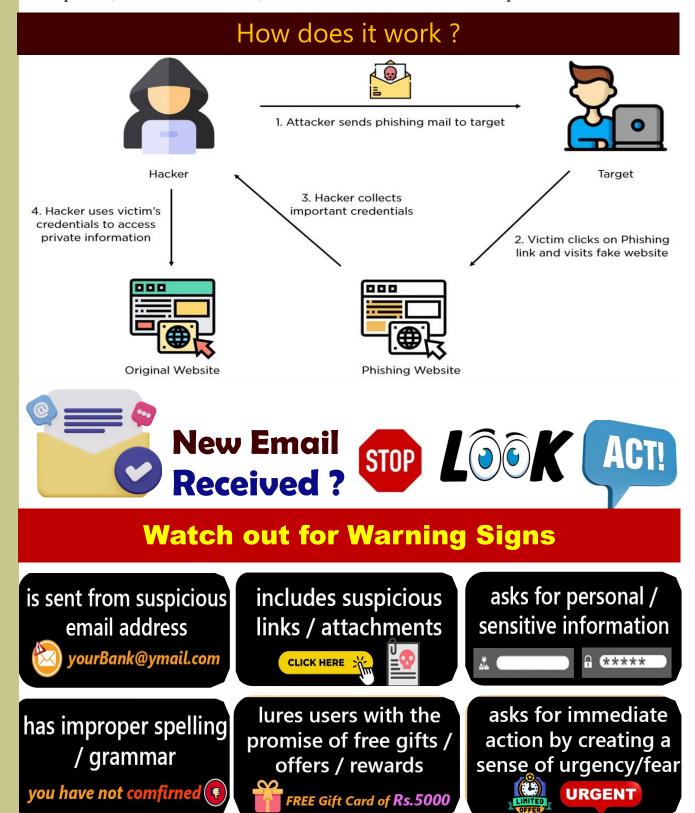
Ask for OTP / Passwords

Ask for address / birthdate

Email Phishing



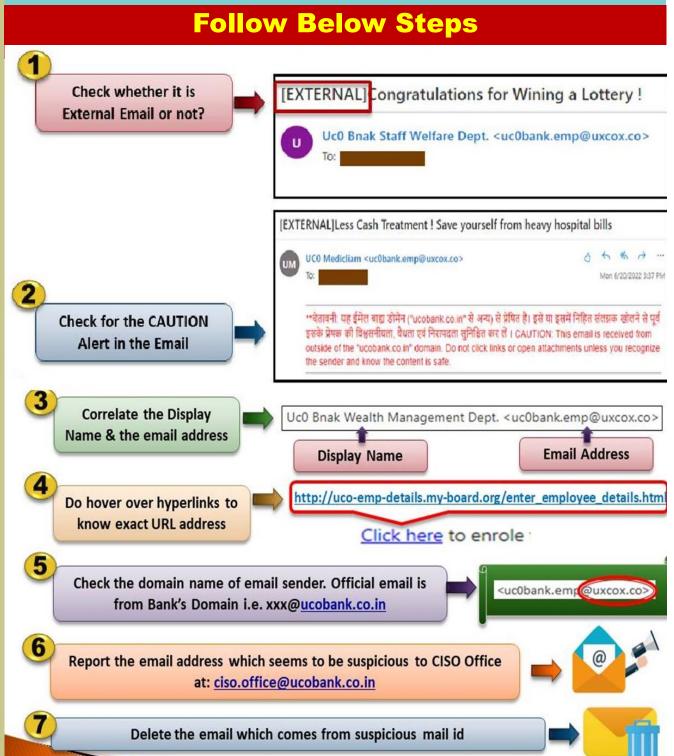
Email phishing, often simply referred to as phishing, is a type of cyber attack in which malicious actors use deceptive emails to trick individuals into taking certain actions, such as clicking on malicious links, downloading infected attachments, or divulging sensitive information like login credentials or financial data. Phishing emails are carefully crafted to appear legitimate, often mimicking well-known companies, trusted institutions, or individuals known to the recipient.



Email Phishing......contd.







Phishing through Phone calls (Vishing)



Vishing or "voice phishing," involves the use of phone calls by cybercriminals who pose as legitimate individuals or organizations to trick individuals into revealing sensitive information.

How Vishing Attack Works?



I am calling from your Bank. Your debit card has been blocked for Online Purchase. Tell me your Card Number, Expiry Date & CVV to unblock it.



Fraudster initiates Online Transaction using the card details shared by the user.

Please tell me the confirmation code sent on your mobile







VU-ABBANK Dear Customer, Your Account is debited with Rs. 9999.00. Avl Balance is Rs.

As soon as the OTP is shared by the customer, Money is debited from Bank Account.



Preventive Measures

share personal Do not financial information with any call, verify the caller's identity unknown caller under any circumstances.

or If you receive a suspicious by independently contacting the organization.

skeptical of urgent threatening requests. Do not the name of any organization, to the succumb tactics created by fraudster to organization for investigation manipulate victims.

or If suspicious call is received in pressure immediately report it to the and further action.

Phishing through SMS (Smishing)



What is Smishing?

It is a type of <u>phishing attack</u> in which scammer tries to get your personal information <u>using text message</u>



Click on the link to avail this discount offer!

Bit.12ab/xtz.co.in



You receive an attractive SMS with link claiming heavy discount offer, free gift etc.



When you click the link, it would redirect you to suspicious website



It may lead to malware getting downloaded into your system and eventually, compromise your data

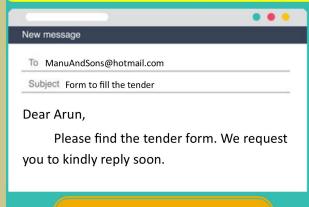
- =>Avoid clicking unknown links received through unsolicited messages & senders.
- =>Always verify the authenticity of the message & sender.

Spear Phishing

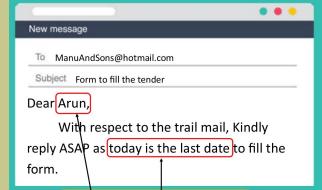


Spear phishing is a targeted form of phishing, where attackers focus their efforts on specific individuals or groups. They tailor messages to suit the recipient's interests, job roles, or relationships, making the emails appear more convincing and personalized.

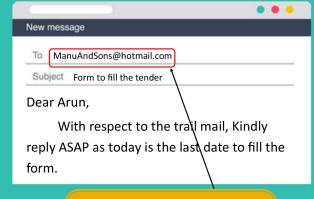
Modus Operandi



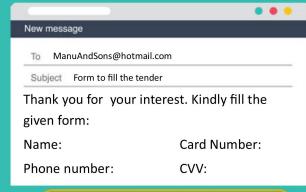
Employee of a reputable organization receives mail from a fraudster



The mail addresses a person or shows a sign of urgency



The email seems to be from a legitimate organization or enterprise



It prompts user to give away sensitive information to steal data or to attack organization's network

How to Avoid such Scam?

Verify with the source whether it has definitely come from the said person

Check the tone, spellings, urgency or unusual request for some information

Observe if the request made by sender is familiar one or is it fishy

Cross verify with other colleagues if they have received similar mails

Anatomy of a Phishing Attack



In the ever-evolving landscape of cyber threats, phishing attacks stand out as a persistent and global menace. Understanding the anatomy of a phishing attack is crucial for individuals and organizations to fortify their defenses and protect against these deceptive schemes. In this section, we delve into the inner workings of a phishing attack, examining its lifecycle, the various attack vectors employed, and the artful use of social engineering tactics. By dissecting the anatomy of a

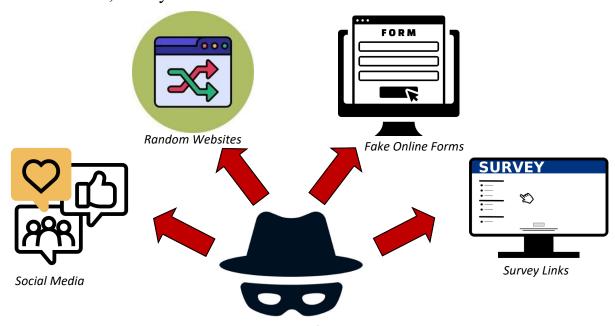


phishing attack, employees shall equip with the knowledge and awareness needed to recognize, thwart, and defend against this cunning cyber threat effectively. Let us embark on this journey to unmask the deceptive techniques of phishing and fortify our resilience against its dark art.

Phishing Attack Lifecycle

The success of a phishing attack lies in its methodical execution, following a well-defined lifecycle that allows cybercriminals to ensnare their victims effectively. Understanding the stages of the phishing attack lifecycle is essential for individuals and organizations to identify warning signs, disrupt the attack chain, and safeguard against falling victim to this pervasive threat.

1. Reconnaissance: In this initial phase, attackers conduct thorough research to identify potential targets and tailor their phishing campaign accordingly. They may gather information from publicly available sources, social media, random websites, fake online forms, survey links etc.



Phishing Attack Life Cycle......contd.



Common Signs of

PHISHING

Provokes FEAR!!

Too GOOD to be TRUE!

Seems URGENT!!

Spelling MISTAKES!

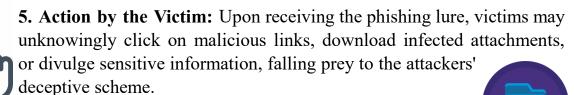
- **2. Lure Creation:** Armed with the gathered intelligence, attackers craft compelling lures, such as fraudulent emails or messages, designed to attract the attention and trust of the intended victims. Lures often play on emotions like fear, curiosity, or urgency to provoke immediate action.
- **3. Delivery:** The attackers disseminate the crafted lures to their targets using various delivery methods,

such as mass email

campaigns, social media posts, or even instant messaging platforms. By employing multiple channels, they cast a wide net, aiming to reach as many potential victims as possible.



Engineering: At the core of the phishing attack lifecycle lies the artful manipulation of human psychology through social engineering tactics. Attackers skilfully deceive recipients into believing the lures are legitimate, exploiting trust and authority to persuade them to take the desired actions.



6. Data Harvesting: As victims unwittingly respond to the phishing attack, attackers harvest the obtained data, which may include login credentials, financial information, or other sensitive data, depending on their objectives.

7. Exploitation: Armed with the harvested data, cybercriminals may proceed to exploit the compromised accounts or launch secondary

attacks, such as identity theft, financial fraud, or further

phishing campaigns.

8. Post-Exploitation Activities: After achieving their goals, attackers may cover their tracks to avoid detection and maintain

prolonged access to compromised systems or accounts.



∆(****

Phishing Attack Vector & Common Entry Points





Phishing attacks are characterized by their versatility, with cybercriminals employing a diverse range of attack vectors and entry points to ensnare their victims. Understanding these attack vectors and common entry points is essential for individuals and organizations to identify potential vulnerabilities and implement robust defenses against phishing attempts. In this section, we explore the various avenues through which attackers execute their malicious schemes, shedding light on the deceptive tactics used to

breach security barriers and deceive unsuspecting victims.

⇒ **Deceptive Emails:** Phishing attacks often start with deceptive emails, where attackers impersonate trusted entities, such as banks, government agencies, or well-

known companies. These emails may contain fraudulent requests, urgent alerts, or enticing offers, encouraging recipients to click on malicious links or disclose sensitive information.

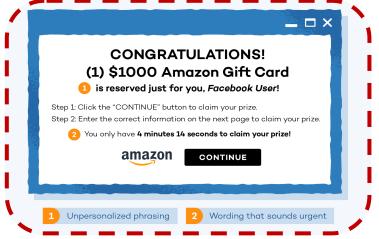


malware-laden attachments within phishing emails. Once opened, these attachments can infect the victim's system with viruses, ransomware, or other malicious software, granting the attackers unauthorized access to the victim's data or network.



⇒ **Spoofed Websites:** Phishing attacks frequently involve the creation of spoofed websites that closely mimic the appearance and functionality of legitimate sites. Unsuspecting users may be lured into entering their login credentials or personal information, unknowingly divulging it to the attackers.

Posts: Phishing links may be disseminated through various channels, such as social media, instant messaging, or online forums. Users may click on these links, thinking they lead to genuine content, but are directed to fraudulent sites instead.



Phishing Attack Vector & Common Entry Points

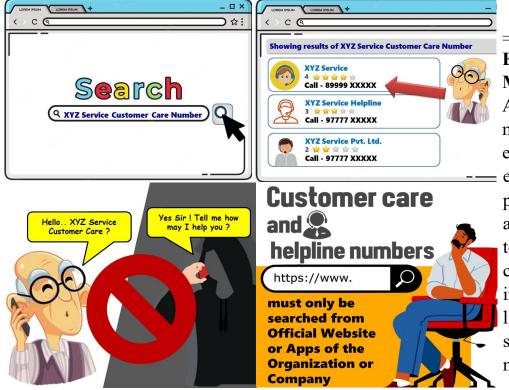


⇒ **SMS and Instant Messaging:** Phishing attacks extend to mobile platforms through SMS phishing (smishing) and instant messaging apps. Attackers send fraudulent messages, urging recipients to click on links or reply with sensitive information.

Common Phishing Mediums



⇒ **Voice Phishing (Vishing):** Vishing attacks occur over phone calls, where attackers impersonate trusted entities, such as banks or customer support representatives, to trick victims into divulging sensitive information.



⇒ SearchEngineManipulation:

Attackers may manipulate search engine results, ensuring that phishing websites appear among the results for top certain keywords, increasing likelihood of users stumbling upon malicious sites.

Social Engineering Tactics Exploited in Phishing



At the heart of every successful phishing attack lies social engineering—a cunning manipulation of human psychology to deceive and manipulate victims. Cybercriminals employ a variety of social engineering tactics to craft persuasive and convincing phishing lures, exploiting trust, emotions, and vulnerabilities to trick recipients into taking the desired actions. In this section, we explore the diverse social engineering tactics commonly employed in phishing attacks, illuminating the artful techniques used by attackers to compromise individuals and organizations.

- Fear and Urgency: Attackers often exploit fear and urgency to prompt immediate action from their victims. Phishing emails may threaten account closures, impending fines, or security breaches, compelling recipients to respond without critically evaluating the legitimacy of the message.
- Curiosity and Clickbait: Phishing lures that evoke curiosity or offer enticing clickbait content entice recipients to click on links or download attachments. By triggering curiosity, attackers capitalize on recipients' natural inclination to explore novel or intriguing topics.
- Authority and Impersonation: Attackers impersonate authoritative figures, such as CEOs, government officials, or trusted colleagues, to elicit compliance from recipients. Emails appearing to come from higher-ups or reputable sources can bypass normal skepticism and encourage victims to comply with the attacker's requests.
- Empathy and Personal Appeals: Phishing attackers may exploit empathy by crafting messages that evoke sympathy or support for a cause, encouraging recipients to act altruistically or provide sensitive information to help someone in need.

Social Engineering – Red Flags



Your 'friend' sends you a strange message.



The offer feels too good to be true.



Your emotions are heightened.



You're receiving help you didn't ask for.



The request is urgent.



The sender can't prove their identity.

Social Engineering Tactics Exploited in Phishing



- Reward and Incentive: Phishing emails promising rewards, prizes, or exclusive offers can tempt recipients into clicking on malicious links or submitting personal data to claim the purported benefits.
- Scarcity and Limited Time Offers: By creating a sense of scarcity or limited-time offers, attackers create a sense of urgency, encouraging recipients to take immediate action before the opportunity vanishes.



• Trust and Familiarity: Phishing lures often mimic well-known companies, banks, or social media platforms, leveraging recipients' trust in familiar brands.

Attackers exploit this trust to encourage recipients to interact with the fraudulent content.

• False Sense of Security: Phishing attackers may craft messages that falsely reassure recipients of their authenticity, claiming security measures or verification processes to gain the recipient's trust.

• Phishing as a Helpdesk or IT Support: Cybercriminals may pose as IT support or customer service representatives, offering to assist recipients with technical issues. By exploiting the trust placed in support personnel, attackers can extract sensitive information under the guise of assistance.



Recognizing Phishing Attempts



Recognizing phishing attempts is crucial to protect ourselves and our organization from falling victim to these deceptive attacks. Always err on the side of caution. If you are unsure about an email's legitimacy, verify its authenticity through official channels or by contacting the sender directly using contact information from a trusted source.

Identifying Suspicious Emails

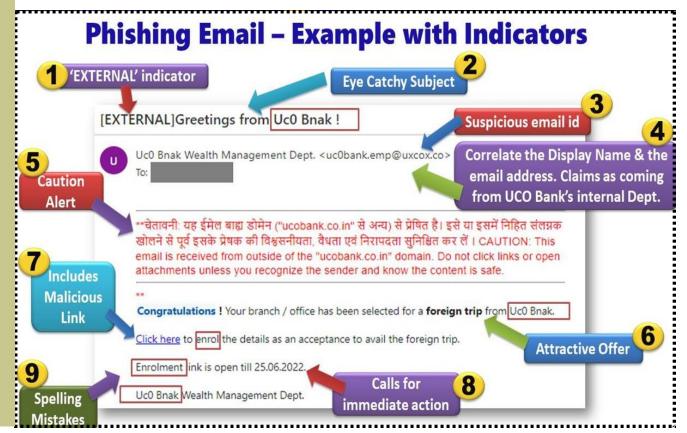
- ⇒ **Unknown Sender:** Be cautious of emails from unknown senders or email addresses that look unfamiliar or misspelled.
- ⇒ **Unusual Subject or Greeting:** Be wary of emails with vague subjects or generic greetings like "Dear User/Customer" instead of addressing you by your name.
- ⇒ **Urgent or Threatening Language:** Suspicious emails may use urgent or threatening language, pressuring you to take immediate action.
- ⇒ **Spelling and Grammar Errors:** Phishing emails often contain spelling and grammar mistakes, which are uncommon in communications from reputable organizations.



Identifying Suspicious Emails.....contd.



- ⇒ **Mismatched URLs:** Hover your mouse over links in the email to check the actual URL. If it doesn't match the displayed text or seems unrelated to the sender or the email's content, it might be a phishing attempt.
- Requests for Personal Information: Be cautious of emails asking for sensitive information like passwords, Personally Identifiable Information or financial credentials etc.
- ⇒ Unexpected Attachments: Do not open attachments from unknown senders or unexpected sources, as they could contain malware or viruses.
- ⇒ **Too Good to Be True Offers and Prizes:** Be cautious of emails promising extraordinary opportunities, significant financial gains, offering prizes, gifts or rewards that sound too good to be true.
- ⇒ **Impersonation of Trusted Entities:** Phishing emails may impersonate well-known companies, government agencies, or financial institutions to gain trust.
- ⇒ Uncommon Requests from Contacts: If you receive an email from someone you know but the content seems unusual or out of character for them, verify the message's legitimacy through another communication method.
- ⇒ **Pressure Tactics to Click on Links:** Suspicious emails often pressure you to click on links or download files by claiming it's urgent or essential.
- ⇒ **Emails from Misspelled Domains:** Phishing emails may use domain names with slight misspellings or extra characters to mimic legitimate websites.



Identifying Suspicious Emails......contd.



Email appearing from UCO Bank?



CAUTION: This email is received from outside of the "ucobank.co.in" domain. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Suspicious Login detected in this Email.
Click here to confirm your password.

DON'T FALL
FOR THE
PHISHING
RAIT V

WHAT SCAMMERS NEED FROM YOU?



Passwords



Financial Information



Identity



Money

BEWARE OF



Suspicious Email Senders



Unknown Links



Attachments



Before responding, examine Email address closely even if the mail appears to be from UCO Bank!

ANYTHING SUSPICIOUS ? PAUSE & THINK.

Report Suspicious Emails to ciso.office@ucobank.co.in

Report Cyber fraud Incident to https://www.cybercrime.gov.in or call **1930** for assistance

Spot Fake SMS





Fake SMS messages, also known as Smishing (Phishing through SMS), attempt to deceive users providing sensitive into information or clicking on malicious links via text messages. Here are some indicators that can help you identify fake SMS messages:

Unknown **Sender:** Be cautious ofthe messages received from unknown unexpected senders with 10 digit mobile number or suspicious sender ID.

Click

bit.ly/5Fyh897k

to update your **KYC** or your

Account will be

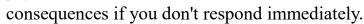
blocked

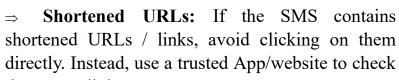
Suspicious Links: Avoid clicking on links. It may redirect you to fake website for capturing your personal / sensitive information or may lead to download malware into your device.



Dear Consumer, Your Electricity power will be disconnected tonight at 9:30pm because your previous month bill was not update. Please immediately contact with our electricity officer 834XXXXXXX. **Thank You**

Urgency and Fear Tactics: Fake SMS messages may create a sense of urgency, warning of account you suspensions, bill payments, or other





the link's destination.

Generic

Greetings: Fake SMS messages may use generic greetings like "Dear Customer" or "Valued User" instead of addressing you by your name.



credited on your ABC Account. Click here to redeem:

bit.ly/86dY9w3

Spot Fake SMS......contd.





Do not respond such messages & Avoid clicking on any unknown link

Never share personal / sensitive / financial information with anyone or random websites / apps

⊘Visit your nearest Bank Branch or refer Bank's official Apps / online eBanking portal for account related queries / information



Be vigilant and skeptical about unsolicited emails claiming to be from the Income Tax Department

Do not click on any links provided in unsolicited emails. Always check the sender's email address carefully.

- ⇒ **Spelling and Grammar Errors:** Messages with spelling mistakes or poor grammar are potential indicators of Smishing attempts.
- ⇒ Unusual Requests: Be wary of SMS messages requesting personal information, passwords, PINs, or financial details. Legitimate organizations typically do not request such information via text message.

BV-XXXUSER

Hello Applicant, your MSME Business Loan of Rs.4085999 under Mudra Yojana has been sanctioned. Verify details on

Link:http://tiny.cc/XXXdata

⇒ Unsolicited Offers and Prizes: Be skeptical about unsolicited SMS messages offering quick & easy loans, quick high return on investment, unexpected lotteries, prizes, rewards or gifts which are too good to be true.

⇒ **Misspelled Brands:** Phishing SMS messages may use brand names with misspellings or extra characters to mimic legitimate organizations or companies.



Indicators of Fake Website



Spotting fake websites is crucial to protect ourselves from falling victim to phishing attacks and other online scams. Here are some indicators to identify fake websites:

Indicators of Malicious Website (Pharming)



- Whether "s" is missing after "http"
- Check the verified indicators such as 'lock sign'
- Check the spelling of Organization
- Check substituted letters, numbers, odd character or symbol appearing before the Organization name

- Fake Logo
- lack of "Contact us" section
- spelling & grammatical errors
- Low resolution images
- Incomplete design & information



POP-UP MENACE



A Phishing scam may direct you to a legitimate website. But pop-up windows are used to reel in vulnerable targets

- Pop-up Windows may ask to enter your credentials
- Do not click or respond to unwanted Ads / Pop-ups

BROWSER SECURITY INDICATOR

- Make sure your own connection is secure / encrypted
- Do not forcefully enter into an website for which browser shows "connection is not secure" error



Indicators of Fake Website......contd.









Scammer copies (spoofs) the website of a well-known business.

The unknowing victim mistakes the spoofed website for the real thing. Scammer steals information from the victim without their knowledge.



Best Practices for End-Users - Email Security



In today's digital landscape, end-users play a vital role in ensuring their own cyber security and safeguarding sensitive information. Cyber threats, especially phishing attacks, have become more sophisticated, making it crucial for individuals to adopt best practices to protect themselves from online risks. This section provides an overview of essential best practices for end-users, empowering them to navigate the digital realm with confidence and maintain a secure online environment.

HOW TO AVOID EMAIL PHISHING?



Do not open emails from unknown or untrusted senders.



Do not reply to suspicious requests.



Avoid responding or clicking links on unsolicited or spam email.



Do not rely on any information in the email from untrusted senders.



Do not open or download email attachment from unknown or untrusted senders.



Do not share sensitive information through email.

Best Practices

- 🗸 Always ignore suspicious calls, messages, emails or links
- X Avoid clicking on unknown links & do not open or download unknown attachments / files from untrusted sender
- Examine Email / SMS sender address closely. UCO Bank's Official Email domain is " <u>@ucobank.co.in</u> " & legitimate SMS sender address will contain "UCOBNK" / "UCOPPC" / "UCORWD"
- Never reveal any personal / sensitive information on random websites, forms, documents or at the behest of any stranger
- Do not fall prey to attractive offers, deep discounts etc. which are too good to be true

Best Practices for End-Users - Password Security



Password security plays a crucial role in preventing phishing attacks and protecting against unauthorized access to personal accounts and sensitive information. By adhering to strong password security practices, individuals can significantly reduce the risk of falling victim to phishing attacks.

Password Safety Practices

- Create complex passwords with combination of letters, numbers and special characters to prevent their guessing or cracking by fraudsters / adversaries
 - Avoid using dictionary words, family name, vehicle number, personal or office information etc. in your password
 - Change default password immediately & avoid setting passwords like Uco@..., Ucobank@... or any other passwords which can be easily guessed
 - Never select 'YES' when any Application, Website, Browser etc. asks to remember your password



Password are like socks, change them regularly



Never write passwords on paper or on devices



Memorize your password



Beware of Shoulder Surfers at public places while entering passwords



Making password complex increases difficulty of attacks & are hard to guess

88888

Use different passwords for different accounts

Passphrase

My Car is Blue Password

mYc@Ri5b!Ue

If hard to remember password, switch to passphrase



Never share password with anyone

Best Practices for End-Users - Desktop Security



Desktop security is a crucial aspect of overall cyber security, as it involves protecting computers and their data from various threats and unauthorized access. Desktop security is a continuous process, and maintaining a proactive approach to cyber security helps protect sensitive information, prevent data breaches, and ensure the overall integrity and privacy of the system.







Do not write confidential information such as Username or Password anywhere



Avoid using common or easy to guess Password



Ensure Antivirus is installed & updated in your system





Access
Internet at
Branches /
Offices
through
Bank's PROXY
Server

Best Practices for Mobile Malware Protection



Phishing, a prevalent cyber threat, has extended its reach to mobile devices through the use of mobile malware. As smartphones and tablets become integral to our daily lives, cybercriminals exploit this trend by deploying malicious software to target unsuspecting users.



QR Code Scams & Best Practices



QR codes, once a convenient way to quickly access information or websites, have become an avenue for cybercriminals to perpetrate phishing attacks. QR code phishing is a growing concern as attackers leverage these scannable codes to trick unsuspecting users into visiting malicious websites, downloading malware, or revealing sensitive information. With the rising popularity of QR codes in advertising, promotions, and mobile payments, it is vital to recognize the risks posed by QR code phishing and adopt preventive measures to protect against this stealthy form of cyber threat.

Cyber Threats hiding in QR codes



QRLjacking

Fraudsters leaving malicious QR codes on public places like walls, buildings and also computer screens that direct users to a malicious site.



Quishing

Fake QR Code directs unsuspecting victims to a fake version of a popular website and prompts users to enter their login details.



Free Wi-Fi set up

Cybercriminals often set up free Wi-Fi network for anyone that scans the QR Code. By this network fraudsters can silently steal sensitive information.



UPI related

Fraudsters sent malicious QR Code through Social Media, Emails, SMSs prompting for "SCAN & WIN Money". Scanning leads to debit money from account.

How to Avoid such frauds?



Never scan
QR Code for receiving money





Use reputable service or App for generating QR Code



Disable 'Open Website
Automatically' option or
other equivalent setting in
QR Code Scanner App



While making payment through QR Code, always verify UPI/VPA address before payment approval

Best Practices to secure **Biometric Information**



Biometric authentication, such as fingerprint scans, facial recognition, and iris scans, offers a convenient and secure way to access devices and applications. However, cybercriminals have found ways to exploit this advanced security feature through biometric phishing. Biometric phishing, also known as biometric spoofing or presentation attacks, involves tricking biometric systems to gain unauthorized access to protected data or accounts. This emerging threat poses unique challenges, as attackers target the very mechanisms designed to enhance security.

Best Practices to Secure Biometric Information

Lock your Biometrics and Aadhaar through Official UIDAI website or the mAadhaar App



Generate and use 12-digit Masked Aadhaar from UIDAI portal to protect your Aadhaar information









Never reveal your Biometrics, Aadhaar or OTP etc. at unknown or unauthoried places including Social Media



If mobile number, email id etc. which are linked with the Aadhaar are changed/modified, update them at UIDAI portal or by visiting nearest Aadhaar Enrolment Centre





Frequently check UIDAI portal to verify your authentication and implement new security features if introduced

Best Practices for End-Users - **UPI Safety**



Unified Payments Interface (UPI) has revolutionized the way people conduct digital transactions, providing a convenient and fast way to transfer money. However, with its popularity, cybercriminals have devised sophisticated phishing schemes targeting UPI users. Phishing using UPI involves deceptive tactics to trick individuals into divulging their UPI credentials, such as UPI PIN or mobile app login details. These malicious campaigns exploit users' trust in the UPI system and aim to gain unauthorized access to their bank accounts or conduct fraudulent transactions. and best practices to safeguard against falling victim to such scams.

Beware of these **UPI scams**

- O Fake Offers
- O Phishing Links
- O Request Money
- O QR Code Scams
- O Remote Screen Monitoring
- O Scams using UPI PIN & OTP



Safety precautions while using UPI



Keep your UPI PIN confidential.

Do not download unverified third-party apps. Always use App provided by your own Bank.

Do not respond to unverified messages or calls from individuals claiming to be bank representatives.

Do not use UPI PiN for receiving money.UPI PIN is only used for payments.

Do not fall prey to fraudulent lucrative advertisement offers which ask for UPI PIN.

Do not scan any QR Code received from unidentified source.

Avoid Phishing at Social Media Platforms



Social media platforms have become an integral part of modern communication, networking, and sharing. However, their widespread popularity has also attracted cybercriminals who exploit social media for phishing attacks. Social media phishing is a deceptive practice where attackers use various tactics to manipulate users into revealing sensitive information, such as login credentials, personal details, or financial data. By impersonating trusted individuals or organizations, scammers trick users into clicking malicious links, downloading malware, or providing confidential information. This section explores the types of social media phishing, the techniques employed by cybercriminals, and essential best practices to safeguard against falling victim to these crafty online scams.

Types of Social Media Phishing:

Phishing Links: Attackers post malicious links disguised as enticing content on social media platforms, leading users to phishing websites designed to steal login credentials

or infect devices with malware.

Fake Profile Created!!

This must be a new account of Gupta ji...

Of course Gupta ji!

Don't worry

Verify the authenticity by personally calling the person

Fake Profiles: Cybercriminals create fake profiles impersonating trusted individuals, brands, or organizations to gain users' trust and extract sensitive information through private messages or posts.

Contest Scams: Scammers entice users with fake contests or giveaways, requiring participants to share personal information to claim prizes that do not exist.

Fake Ads: Cybercriminals create deceptive advertisements that appear legitimate and enticing, leading unsuspecting users to malicious websites or fake login pages, where sensitive information is harvested.





Avoid Phishing at Instant Messaging Platforms



Phishing through instant messaging platforms is a crafty cyber strategy that capitalizes on the widespread use of messaging apps like WhatsApp, Telegram etc. Attackers employ messages containing malicious links or attachments, posing as trusted contacts or reputable sources, aiming to trick recipients into revealing personal /sensitive / financial information or downloading malware and thereby leading to identity theft or financial loss. This evolving threat underscores the importance of verifying sender identities, avoiding suspicious links, and maintaining cyber security vigilance in the realm of instant messaging. Here's how these attacks are conducted:

Impersonation:

- ⇒ Attackers create fake profiles that closely resemble trusted contacts, organizations, or known entities.
- ⇒ They use profile pictures, names, and information similar to the legitimate ones to deceive recipients.





Mr. Chandu was working at ABC Company in the post of



Mr. Chandu immediately went to the office of Boss Secretariat and depicted the total scenario to the Secretariat.

This message is Fake!

Now a days, fraudsters are impersonating Senior
Officials / Top Management of Organizations with their photo and sending out fake messages through WhatsApp, Telegram, SnapChat etc by asking for urgent monetary favours from their colleagues.

Warning Signs

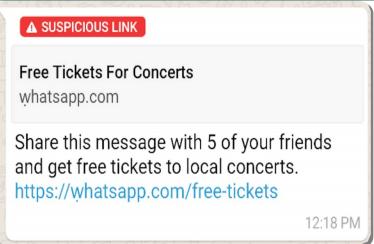
- Pretends to come from senior officials / top management of the organization
- Asks for urgent monetary favours like money transfer to anonymous account, buy gift cards etc.
- A Pressurizes for immediate action
 - Informs about the non availability of the concerned official / top management for a certain period over phone

Safety Precautions

- Do not trust messages from unknown WhatsApp number
- Never carry out monetary transaction or purchase gift cards at the behest of any stranger
- Always verify the authenticity of the message by calling the person concerned or confirm from known trusted sources

Avoid Phishing at Instant Messaging Platforms





Malicious Links:

- ⇒ Attackers send messages containing links to malicious websites that closely resemble legitimate ones.
- ⇒ These websites often imitate well-known platforms or services and prompt users to enter personal information, such as login credentials or payment details.

Gifts and Prizes:

Attackers promise fake rewards, prizes, or exclusive offers to lure users into sharing personal information. These messages exploit users' desire for discounts

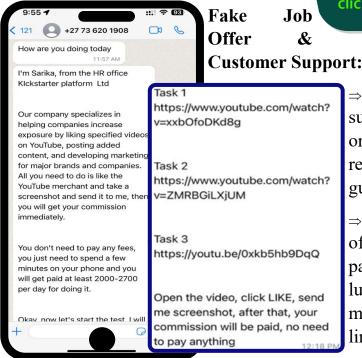
or freebies.

Attachments with Malware:

Attackers send seemingly harmless attachments, such as documents, images, videos or files with malicious extensions like .APK, .EXE etc. Once downloaded, these attachments may contain malware that compromises the recipient's device.



Never download Application or document by clicking on random "APK" files received on WhatsApp / SMS / Email.



- ⇒ Attackers pretending to be customer support representatives from trusted organizations, offer assistance and request sensitive information under the guise of resolving an issue.
- ⇒ Fraudster posing as representative of advertising company offers task-based part-time job to unsuspecting user and lure them with lucrative deals on easy money earning through just clicking links / liking YouTube videos.

Avoid Phishing at Instant Messaging Platforms



How to avoid such Scams?



Do's

- If a call or message claims to be from reputable organization, verify the authenticity through alternate & trusted communication such as by visiting organization's official website / apps, direct communication through phone calls, physically contacted to nearby Branches / Offices etc.
- Block and report suspicious numbers in instant messaging platform to avoid potential scams.
- Regularly update devices, operating systems & Apps to ensure the latest security patches are in place.
- Enable Multi-factor Authentication (MFA) to add an extra layer of protection to your account.

Don'ts

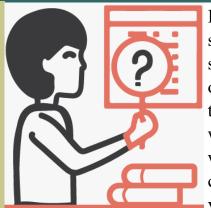
- Entertain calls from unknown international numbers particularly from countries like +84 (Vietnam), +62(Indonesia), +223(Mali), GizChina etc.
- Share personal / sensitive / financial information to unknown callers
- Respond to Online quizzes, surveys, unknown forms/documents that request personal information.
- Reveal your information on random websites / Apps
- Overshare your information on Social Media Platforms
- Click on suspicious links from unknown messages, Emails, random Pop-up ads etc.

Best Practices to Stay Safe at Instant Messaging Platforms

- Never respond calls, requesting personal or sensitive information / urge for immediate action / seem too good to be true, do not blindly follow instructions or engage in financial transactions.
- Never dial codes or send SMS from your number at the behest of strangers. Always check with your service provider before doing so.
- Be vigilant about call/SMS forwarding settings on your phone / SIM network service(s). If call/SMS forwarding features are enabled accidentally / unknowingly, immediately contact your mobile network provider (such as Jio, Airtel, etc.) from the official website / App to deactivate the same.
- Never click on any unknown link & do not share OTP, PIN, UPI PIN, password or any other personally identifiable / sensitive information with anyone.
- Beware of Urgent Requests for Financial Assistance by strangers. Always verify the sender's identity through an alternative communication channel before taking any action.
- Enable Two-factor authentication (2FA) for your accounts, including WhatsApp to add extra layers of security and thereby reducing the risk of unauthorized access & misuse.
- Regularly monitor your Bank account activities. If any unauthorized or suspicious transaction is noticed, immediately inform to your Bank / Branch. For UCO Bank, dial Customer Care / Helpline Number 1800 103 0123 for help / assistance.

Case Studies on Phishing Attacks





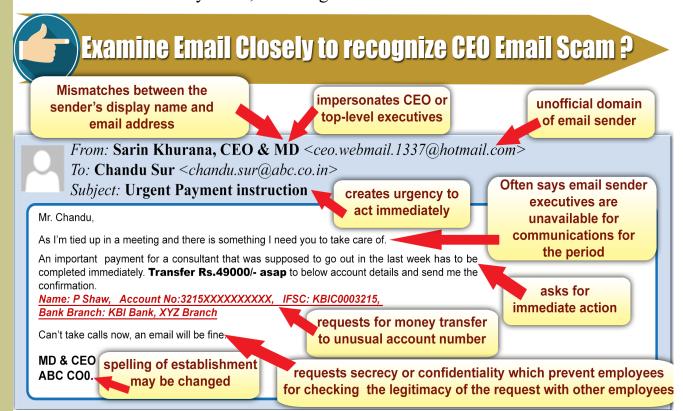
In the evolving landscape of cyber threats, phishing attacks stand as one of the most pervasive and insidious. A case study delving into real-world instances of phishing attacks offers a glimpse into the tactics, techniques, and impact of these malicious campaigns. By analyzing actual scenarios where individuals and organizations fell victim to phishing, we gain valuable insights into the methods employed by cybercriminals to manipulate human psychology, exploit vulnerabilities, and breach security defenses.

Case Study 1: "The CEO Fraud"

In this case study, a multinational corporation fell victim to a sophisticated spear phishing attack known as "The CEO Fraud." The attackers meticulously researched the organization and identified the CEO's name, email address, and key financial personnel. They then crafted an email that appeared to be from the CEO and used an almost identical domain name to the company's legitimate domain.

The fraudulent email was sent to the organization's CFO, requesting an urgent and confidential wire transfer to a foreign bank account to secure a lucrative business deal. The email leveraged authority, urgency, and confidentiality to dissuade the CFO from seeking confirmation or verification.

Unaware of the ruse, the CFO initiated the wire transfer, resulting in a substantial financial loss for the company. The attack was only discovered when the CEO inquired about the transaction days later, revealing that he had never sent the email.





Case Study 2: "The Tax Season Phish"

In a recent cyber attack, cybercriminals exploited individuals' fears and confusion regarding income tax procedures. They launched a widespread phishing campaign using fake emails and SMS messages, pretending to be from official tax authorities. The goal was to steal sensitive personal and financial information from unsuspecting taxpayers.

Consequences:

- ⇒ Several taxpayers fell victim to the scam, divulging their confidential information under the guise of complying with tax regulations.
- ⇒ With the stolen data, the attackers could engage in identity theft, financial fraud, and unauthorized access to bank accounts.





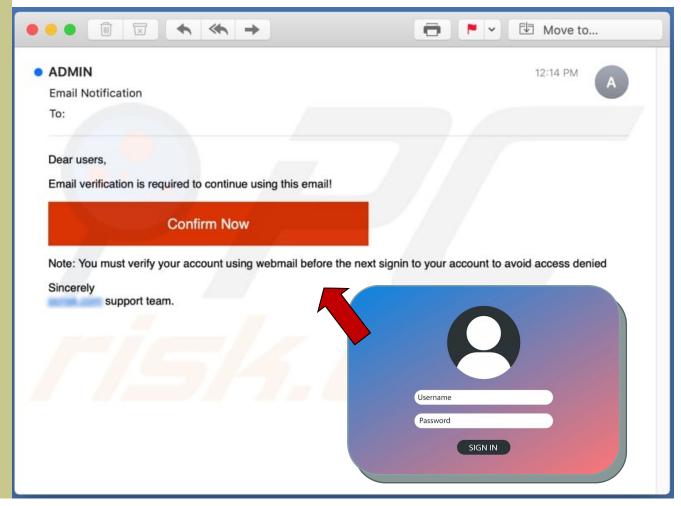
Case Study 3: "The Credential Harvesting Campaign"

A leading educational institution faced a persistent and targeted phishing attack that aimed to harvest login credentials from faculty, staff, and students. The attackers sent out emails masquerading as a mandatory account verification process, warning recipients of potential account suspension if they failed to update their credentials.

The phishing emails were designed to mimic the institution's branding and included a convincing link to a fake login page. Unsuspecting recipients who clicked on the link unknowingly submitted their usernames and passwords, which the attackers immediately harvested.

With access to the stolen credentials, the attackers gained unauthorized entry to various academic and administrative systems. They used this access to launch further attacks, including identity theft, data breaches, and unauthorized grade changes.

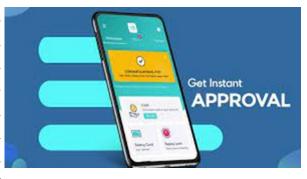
The institution discovered the phishing campaign after an increase in reports of compromised accounts. An immediate response involved warning the campus community about the phishing attempt and advising them to update their passwords through the institution's official website. The incident prompted the institution to enhance its cyber security awareness training and implement multi-factor authentication to protect against future phishing attacks.





Case Study 4: "Scam through fake Loan Apps"

People looking for instant loans are first asked to download an aggregator app. This app then directs them to other apps that process the loan request after collecting Aadhaar, PAN details and a selfie of the applicant. After submission of the required data the loan is sanctioned immediately with levy of huge interest and processing charges. The applicant gets few



days such as 1-2 weeks for repayment. This types of Apps also ask for access to the users' photo gallery and phone contact list.

If the borrowers fail to repay the amount on the due date, there are multiple harassment from lender's side like systematic abuse, blackmailing and threatening calls, sending fake legal notices to family members and relatives, leakage of personal data and morphed pictures in different media.

Offers instant hassle free loans without credit score

Lender is neither registered with the Govt. nor approved by RBI

Warning signs



Offers low interest rate initially but later demands usurious rates & opaque charges

Lack of company website, physical address or contact information

Demands for advance payment in the name of instant loan approval Loan App asks for granting unnecessary permissions to access user's personal data, images, contacts, messages etc

Safety Precautions to Avoid such Scam



Do not click on suspicious links received through Emails, SMS, WhatsApp, Social Media for availing loans



Stay away from lenders who ask for any advance payment in the name of sanctioning of loans



Never share sensitive personal or financial information with anyone



Never download unknown Apps at the behest of any stranger. Always read users' reviews, ratings etc before downloading any App



Avoid easy loan offers which are too good to be true



Frequently review App Permissions and do not grant unnecessary permissions to apps

Always apply Ioan from RBI approved Banking & Financial Companies.

To apply loan from UCO Bank, visit our nearest Branch or refer official website www.ucobank.com



Case Study 5: "Parcel Delivery Scam"

Beware of Parcel Delivery Scam:

Safeguard Your Data from Deceptive Tactics

Now a days, individuals awaiting parcels are defrauded by fraudsters through social engineering tactics.



Modus Operandi of the Scam

- ⇒ Individual / citizen who is expecting courier / parcel, contacts a courier helpline number found through search engine.
- ⇒ Fraudster, with the guise of a courier service agent, cunningly gains the individual's trust and convinces to share the order number and tracking code under false pretenses.
- ⇒ By creating a sense of urgency, fraudster pressurizes the individual to quickly update the delivery address to receive the parcel promptly.
- ⇒ Fraudster then instructs the individual to download 'AnyDesk' App a remote access tool & persuades for sharing the unique address code displayed within the App.
- After that, using deceptive techniques, fraudster coerces the individual into accepting App permissions and security warning notifications for gaining control of the device remotely.
- ⇒ The fraudster sends a Google Form link to the individual through text message, asks to fill up the personal details & also encourages the individual for paying a small amount as "address verification charge" using debit or credit card.
- ⇒ During the payment process, the individual's personal information and card details are captured. Armed with this data and remote access to the victim's device, fraudster initiates unauthorized transactions and reads OTPs received during transactions, causing financial loss to the victim.

Best Practices to Avoid such Scam

- Avoid searching Customer Care or Helpline number on search engine because fraudster may display misleading information/ads under spoofed / fake website to lure individuals.
- Always refer the official website or App of the organization to find legitimate Customer Care or Helpline number related information.
- Do not download any unknown App and never carry out financial transaction on unknown / random website or at the behest of any stranger.
- Never share sensitive personal / financial information, such as card details, financial credentials, OTP, PIN, UPI PIN with anyone or in any random forms / websites / social media platforms etc.
- Carefully review App permissions, notifications, security warnings etc. Do not grant unnecessary permissions to App which allow remote access.



Case Study 6: "Quid Pro Quo Phishing"

QUID PRO QUO

PHISHING!



Fraudster tricks individuals with a fake promise for revealing sensitive information

Modus Operandi

Fraudster posing as helpful individual, gains the trust of user by offering assistance, technical support, or exclusive privileges

Entices victim
with promises
of rewards,
discounts,
freebies, or
personalized
services

Asks for sensitive information such as usernames, passwords, financial details, or personal data to process the offered benefits

Once user shares
the information,
fraudster may
exploit them for
malicious
purposes like
identity theft,
financial fraud, or
unauthorized
access etc

Cyber Security Best Practices

Be skeptical about random offers / discounts /ads which are too good to be true



Verify the legitimacy of the offer or request from official website/app



Tips to Stay Safe



Never share personal, sensitive & financial information with anyone



Avoid responding to unsolicited emails /calls / SMS / Links



Case Study 7: "Scams with the help of Artificial Intelligence (AI)"

In an era where technology advances at an unprecedented pace, we find ourselves in a digital landscape where even cybercriminals harness the power of artificial intelligence (AI). AI-generated cyber scams have emerged as a new and potent threat that demands our vigilance and awareness.

These sophisticated scams utilize AI algorithms to craft convincing phishing emails, fraudulent websites, and even deepfake audio and video content. The attackers' aim is simple yet dangerous: to deceive users into revealing sensitive information, transferring funds, or taking immediate actions.



Scammers are employing artificial intelligence to replicate individuals voice, using which they dupe their family and friends

Be mindful of unexpected calls asking for urgent financial help, even from people who you know very well

Always verify the concerned person's identity through alternate communication channel before taking any action

Chatbot Scams

Cybercriminals use Alpowered chatbots to impersonate customer support representatives or other legitimate agents, engaging victims in conversations that lead to disclosing sensitive data.

Impersonation Attacks

Al-generated profiles and social media accounts can impersonate real people or entities, building trust to extract personal information, credentials, or financial details.





Beware of AI generated Deepfake Scams



Al-generated cyber scams represent a new and sophisticated avenue of threat in the digital landscape. Nowadays, with the of Artificial Intelligence power cybercriminals may create fake audio, video, or text content that convincingly mimics real person's voice, appearance or communication style, making challenging distinguish between genuine and fake.

Modus Operandi of the Scam



Scammers gather information about the target individuals eg: voice recordings, images, videos etc. to create a realistic digital replica.



The collected data is then processed by AI algorithms to train AI models and replicate the target's voice, facial expressions, gestures, and communication patterns.



Using the trained Al models, fraudster generates the Deepfake contents (such as videos, audios etc.) in which the target person's face or voice is manipulated or replaced with synthetic elements.



The Deepfake contents are then delivered through various channels such as voice calls, text messages, video calls, social media etc. to deceive the known persons of the target individual.



By exploiting human trust & emotion, scammer then tricks other persons for doing specific action like transferring money, making payments, sharing sensitive information etc.



The consequences can range from financial loss to reputational damage, data breaches, and compromised personal or business information.

Scams - Warning Signs & Precautionary Measures



Caller's voice may sound different



Inconsistencies in Speech like unnatural pauses, disjointed speech patterns, **Distorted Audio** or Visuals etc.



Caller may ask for personal sensitive information

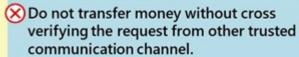


May request for money transfer, financial help, immediate action etc.



May show some abnormal behaviour or unnatural facial expressions

May not respond properly while discussing some personal matters / incident



- Never share personal / sensitive information like Card Details, OTP, PIN, CVV, UPI PIN, Password, Financial Credentials with anyone.
- Look for inconsistencies, visual artifacts or anomalies that may indicate Deepfake signs
- X Avoid oversharing information on social media and keep your profile privacy settings at the most restricted level
- Always cross-check information / media from official & trusted sources without blindly relying upon forwarded messages, online posts, advertisements etc.

Reporting of Cyber Fraud Incidents & Phishing



If you are a victim of Cyber Crime, Dial 1930 &

register your complaint at https://cybercrime.gov.in

The complainant must provide

- ⇒ Mobile Number
- Name of the Bank and Account Number from which amount has been debited
- Transaction details (ID and Date of Transaction)
- Debit / Credit Card Number in case of fraud made by using Card
- Screen shot of transaction or any other image related to fraud, if available

After reporting of complaint, the complainant will receive a system generated Log-in Id / acknowledgement number through SMS/Mail. Using Log-in the above ld acknowledgement number, the complainant must **National** complete the complaint registration on Cybercrime reporting Portal (www.cybercrime.gov.in) within 24 hours.



In case of occurrence of any Cyber Incident like Phishing Email, Virus, Ransomware etc, report immediately to

CISO OFFICE

Email at: <u>ciso.office@ucobank.co.in</u>

or Call at: 033-4455-7903

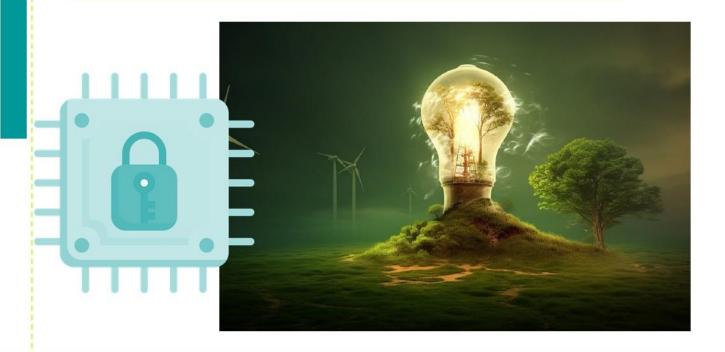


In Conclusion



As we conclude our expedition into the realm of phishing attacks and mitigation, we reflect on the knowledge gained and the empowerment achieved. The compendium "Phishing and Countermeasures: A Comprehensive Guide to Identify & Avoid Phishing" stands as a beacon of light amidst the shadows of cyber deception, guiding our readers to embrace vigilance, knowledge, and resilience in the face of this potent threat.

Armed with this compendium, we stride forward, prepared to thwart the deceptive tactics of the phishing predators and emerge victorious in the ongoing battle to safeguard our digital world. Together, let us raise the shield of awareness and wield the sword of knowledge to defend against the dark art of phishing.



Be a CYBER JAGROOK UCOites!

STAY VIGILANT. STAY SAFE.

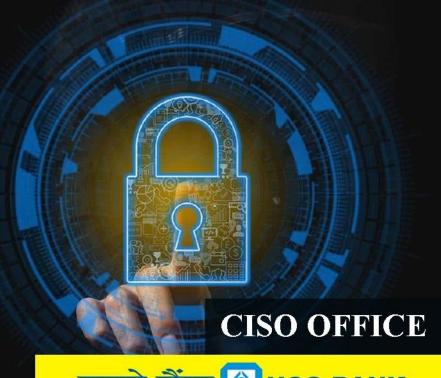
NEVER BE THE WEAKEST LINK AT THE **CYBER SECURITY CHAIN**

Keep Your Eyes Open

& Navigate the Digital Landscape with

Cyber Security Awareness

Together we Defend. Together we Prevail





Honours Your Trust