

Phishing

not dead, not obvious

... and what it has to do with fishing



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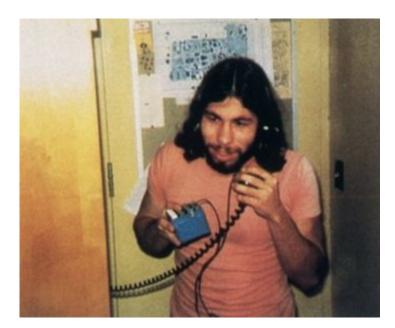
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Terminology

- Phreaking "phone" + "breaking"
 - Hacking telecomm networks
 - Started in the 1950s
 - Golden age 60s-70s
- Phishing = phreaking + fishing
 - 1st mention 1987
 - < <>< and bait</p>
- A form of social engineering



Steve Wozniak, Apple co-founder

What exactly is phishing?

Phishing is the attempt to obtain **sensitive information** by disguising as a trustworthy entity in an electronic communication.

Typically carried out by **emails**, **instant messaging** and **social media**, directing users to enter personal information at fake websites who look and feel nearly identical to the real ones.

Sometimes this also involves malware.

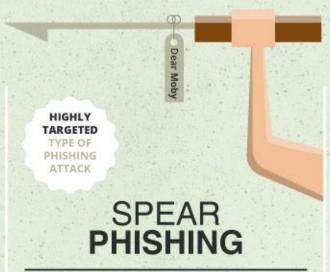


Phishing Attack Methods



Attack where fraudsters cast a wide net of attacks that aren't highly targeted

PHISHING



Tailored to a specific victim or group of victims using personal details

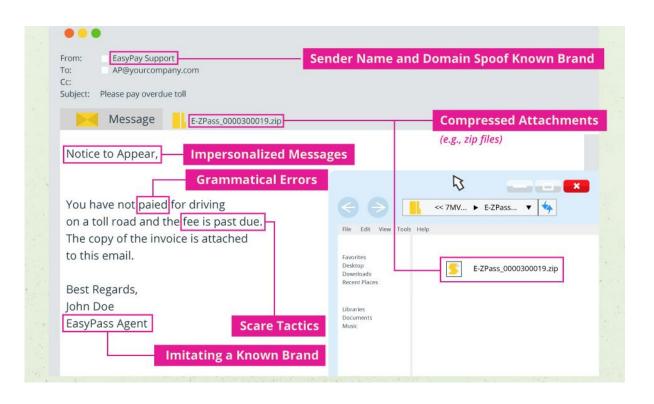


WHALING

Specialized type of spear phishing that targets a "big" victim within a company e.g., CEO, CFO, or other executive

Emails

- Address spoofing
- Dear customer
- Appeal to emotion
- Spelling
- Links

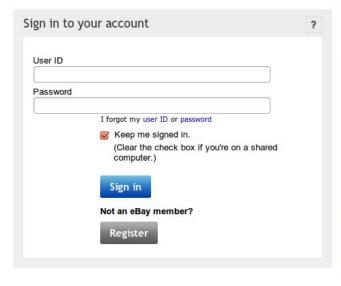




Websites

- URL
- SSL certificate
- Spelling
- Request details
- Outdated
- Links

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How EV Appears in Your Browser:



Question: the golden age for phishing?

A. 1980s

B. 1990s

C. 2000s

D. Now

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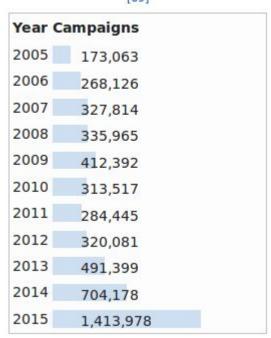
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Unique phishing reports by year



https://en.wikipedia.org/wiki/Phishing

Prevention is difficult

- Everyone has to undergo personal training
 - Whereas exploits can be patched by professionals
- Everyone has to be cautious
- People overestimate their ability to detect such attacks

demo demo demo demo

Quiz time

https://www.sonicwall.com/phishing/phishing-quiz-question.aspx

https://www.opendns.com/phishing-quiz/

Or lookup "phishing quiz" using your search engine.

References

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https://www.jitbit.com/alexblog/256-targetblank---the-most-underestimated-vulnera bility-ever/

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Graphics

https://hackingstuffs.com/attacks/phishing-attack/

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