

Detecting Phishing websites based on their URL attributes

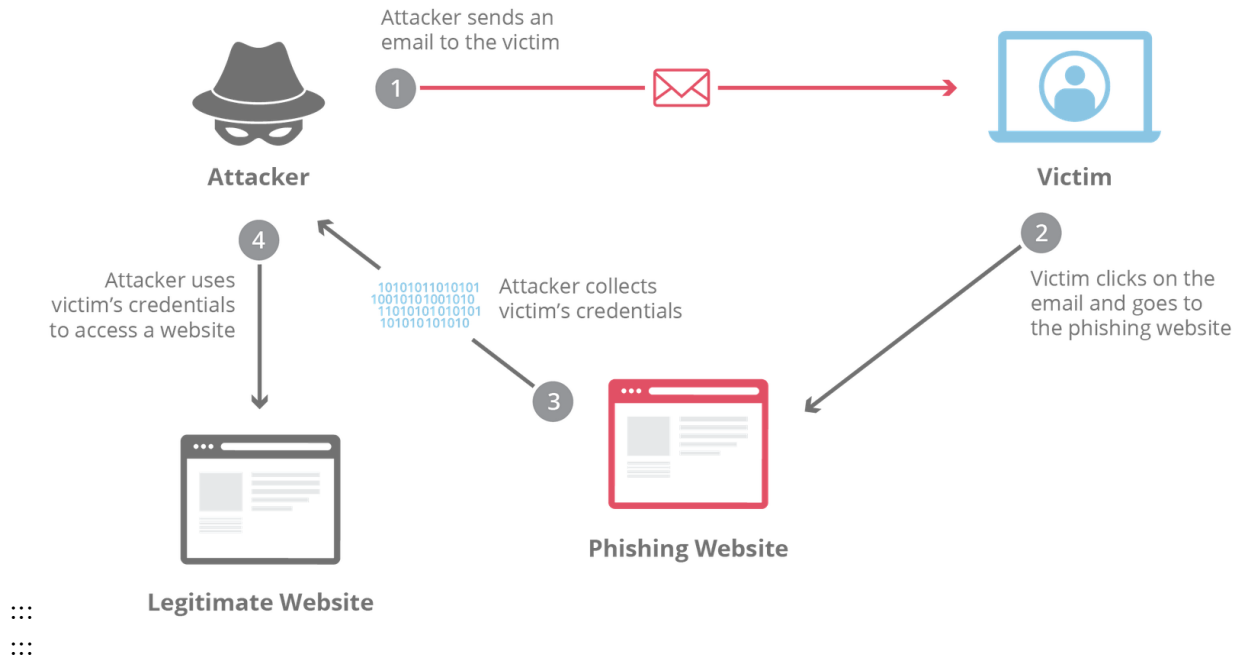
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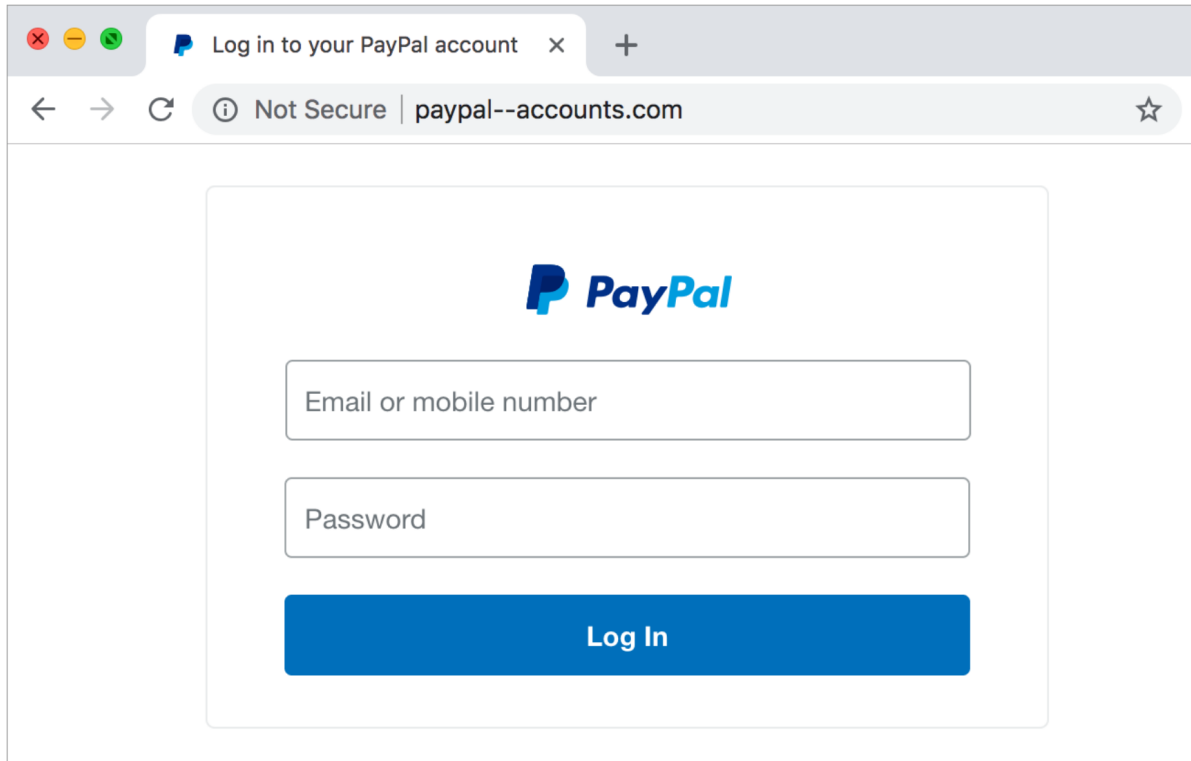
1 Introduction

Phishing is one of the oldest yet one of the most prevalent forms of online identity theft and fraud. And the fact that it still works to this day makes phishing is a very lucrative business for cyber criminals, and is estimated to cost businesses and individuals billions of dollars every year.

The way a phishing scam works is a cyber criminal will send an email to a user that appears to be from a legitimate source, such as their bank, PayPal, Amazon, etc. and will contain some form of urgency in order to get the victim to act on impulse and not think rationally about the email. The email will contain a link to a website, typically a login page, that will look identical to the legitimate website that they are impersonating. Once the user enters their credentials on the fake website, the cyber criminal will have access to their credentials and can do whatever they want with it.



The easiest way to tell if a website is “phishy” or not is to look at the URL of the page, oftentimes the url will be somewhat similar to the original, or not close at all in hopes that the victim doesn’t even look.



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1.1 Resources

<https://www.cloudflare.com/learning/access-management/phishing-attack/>