

Learn with NormShield's
Free Phishing Domain
Search & Monitoring
Services





A Phishing Story

Jack, a manager in a major company called example.com, receives an e-mail from his company to check out his updated salary for the next year.

He, expecting a raise, excitedly clicks the link in the e-mail. The link forwards him to the company's employee login page and he enters his credentials (username and password) and suspects nothing.

However, Jack overlooks the domain name of the website where he enters his credentials, because it is very close to the real domain name of his company, that is example.com, but it was a phishing domain (the letter after "p" is not the letter "l" but it is a capital "i"). Now, hackers, who setup such a phishing domain, obtain Jack's credentials to access the company's system.

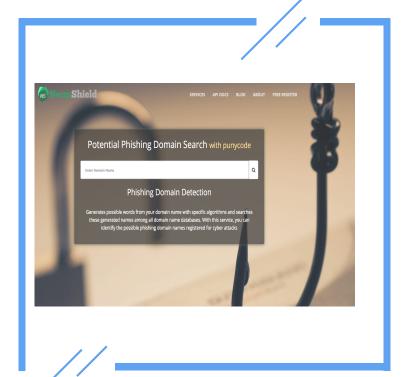
Depending on Jack's privileges in the system, they can do many malicious activities in seconds.

Phishing Domains



Phishing domains are exploited to target not only employees but also customers. Even though companies cannot be directly held responsible for customers deceived by phishing scams, it is a loss of reputation when a company does not take necessary measures.

Name-blending (look-alike) phishing domains often swap easily-confused letters ("u" and "v" or "t" and "f") and/or put additional characters in the domain (ex-ample.com for example.com). These typo-squatting techniques are quite efficient for attackers. Today, phishing domains even have valid SSL or TLS certificates to lure their targets.



It is very difficult for a company to search the entire web and determine a phishing domain that may target its employees and customers, but there are certain tools that can be used for those purposes such as NormShield's Free Phishing Domain Search.



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Almost 50% of CISOs report that the breaches was due to phished credentials

Phished Credentials 48%

Phished credentials caused breaches twice as many breaches than malware

Number of breaches caused by phished credentials is more than breaches caused by malware and unpatched systems combined





Credentials stolen with phishing increase the breach risk



Use of phishing domains, to cover tracks

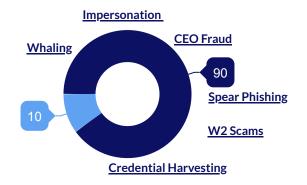
Name-blending phishing domains are exploited not only for phishing attacks to steal credentials but also for attackers to cover their tracks in malicious codes. Researchers from RiskIQ revealed that recent advanced attacks against British Airways and Newegg executed by MageCart hackers inserted malicious codes into target companies' websites to steal customers' payment information.

Attackers used only a 22-line script code to victimize 380,000 customers of British Airways where the code includes a phishing domain in line 16, namely baways[.]com to better cover their tracks. So anyone who inspects this piece of code may overlook the domain without noticing that it is a phishing domain.

Attackers behind Magecart campaign used a similar approach when they targeted Newegg. In a smaller piece of code (15 lines only) injected to the website, attackers were able to stole payment information of Newegg's customers. The code included a phishing domain as neweggstats[.]com.

Attackers evolve their techniques

Phishing attacks in the past included malware inside e-mails usually as an attachment. But attackers have evolved their techniques to more **malware-less phishing attacks** that also use phishing domains.



FireEye found that 90% of e-mail attacks are actually malware-less (with 81% is phishing attacks) by analyzing over a half-a-billion e-mails sent in the first half of 2018.

Malware-less (90%) Malware (10%)

Same report released by FireEye also revealed that, in the last year, phishing attempts grew 65% and 30% during the 2017 holiday season alone.

65%

GROWTH OF PHISHING ATTEMPTS

NormShield Free Phishing Domain Search & Monitoring

For a company to search for its evil doppelgängers impersonating their domain with look-alike/name-blending phishing domains, NormShield provides a free search engine; NormShield's Phishing Domain Search at https://services.normshield.com/phishing-domain-search

NormShield generates possible words from your domain name with specific algorithms and searches these generated names among all domain name databases. Our phishing-domain detection algorithm uses many features from checking whether the URL is typo-squatted or not, the date of registration, and page rank to its contents. Natural Language Processing (NLP) and machine learning (ML) techniques are used to detect phishing domains.

ı			URL-based	Digit count in the URL Total length of URL Typosquatted?	Includes a legitimate brand name? # of subdomains in URL one of the commonly used TLD?						
Ph	termine mains	Do	M Domain-based puny		me or it's IP adress in blacklists? # of days passed since the domain was registered? istrant name hidden?						
F name	atures to de phishing do	don lom	Page-based nain name with specific algorithms and stain name databases. With this service, you main names registered for cyber attacks	Pagerank (Global, Country) Est. # of visits Avg. pageviews per visit Avg. visit duration	# of references from Social Networks to the given domain Category of the domain Similar websites						
	Fe		Content	Page Titles Meta Tag Hidden Text	Text in the body gs Images etc.						

NormShield Free Phishing Domain Search

Use of this powerful tool are quite easy. Below is step-by-step guide for searching phishing domains that impersonate your company.

Step 1. Enter your company's domain name, hit enter or click on the search button.



Step 2. If you would like to receive notification when a new phishing domain is registered that may target your company, click on Free Register button to join NormShield Community and fill out the form (note that you can see the results by simply scrolling down without registration). NormShield only needs your corporate e-mail address and privileged IP address for IP Blacklist search (that will be shown automatically). Just tick the free services about which you want to receive notification and click on Register button.



NormShield Free Phishing Domain Search (Cont'd)

Step 3. Check the domain statistics. It shows how many possible phishing domains are out there, your domain name (where you can click on Breach Search to check if any of your e-mail accounts are breached), and your IP address (where you can click on Blacklist Search to check the IP reputation of your company).



Step 4. Browse possible phishing domains. The table of possible phishing domains provides valuable information. Besides the name of the phishing domain, it also gives the phishing score, a parameter which shows the probability of this domain is used for phishing purposes. The other information given includes dates of creation and expiration, contact e-mail, name and organization of registrant (all masked) and registrar name (also masked). You can sort by any of these fields and search in the table by using the Search box on the top right.

Possible Phishing Domains										
							Search Q 🔻			
Phishing Domain	Phishing Score	↓ Created Date	Expire Date	Contact Email	Registrant Name	Registrant Organization	Registrar Name			
examplesoffaith.com	99	2018-07-12	2019-07-12	do****om	Do****le	Hu****om	Dr****LC			
example-small.work	99	2018-09-17	2019-09-17	ab****jp	RE****CY	RE****CY	GM****om			
cow-example.xyz	99	2018-06-24	2019-06-24	ab****jp	****	Wh****om	****			
dao-example.app	99			****	****	****	****			
project-example.com	99	2011-12-28	2018-12-28	de****eu	D ****nt	De***nt	Ke***bH			

Let's Get In Touch



NormShield, trusted security rating services, provides Cyber Risk Scorecard for companies with many categories. NormShield Cyber Risk Scorecards provide the information necessary to protect business from cyber-attacks including phishing domains. The scorecards provide a letter grade and a drill down into the data for each risk category so that remediation of vulnerabilities can be prioritized.

You can reach us to receive a free demo and discuss findings with one our experienced analysts.



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