Hostile Subdomain Takeover

Attack Scenario

- Your company starts using a new service, eg an external Support Ticketing-service.
- Your company points a subdomain to the Support Ticketing-service, eg support.your-domain.com
- Your company stops using this service but does not remove the subdomain redirection pointing to the ticketing system.
- Attacker signs up for the Service and claims the domain as theirs. No verification is done by the Service Provider, and the DNS-setup is already correctly setup.
- Attacker can now build a complete clone of the real site, add a login form, redirect
 the user, steal credentials (e.g. admin accounts), cookies and/or completely destroy
 business credibility for your company.

Example

Date: Bearbeiten Format Assicht Hi

u have a wbsite (any.com)

you want a support system

support.any.com from zendesk.com(support)

lates as you carculled or service emired

but you forgot to remote the redirection of pointining subdomain to zendesk.com (support

if an attcker will get to know this situtation

attacker will simply go to zendesk.com

wil buy their support service

after that they will add this subdomain (support.any.com) as theirs ow

and thou will suggesfully claimed that this subdomain is belongs to an attacker because it wont verify on zendesk

the second to th

To was have to find a subdomain pointing to third party (is an alais of x.com)

2. make sure their service is inactive or cancelled or expired

To eo that third party website register as client and when they will ask to point your subdomain you just give subdomain.com

Three things that make this scenario dangerous

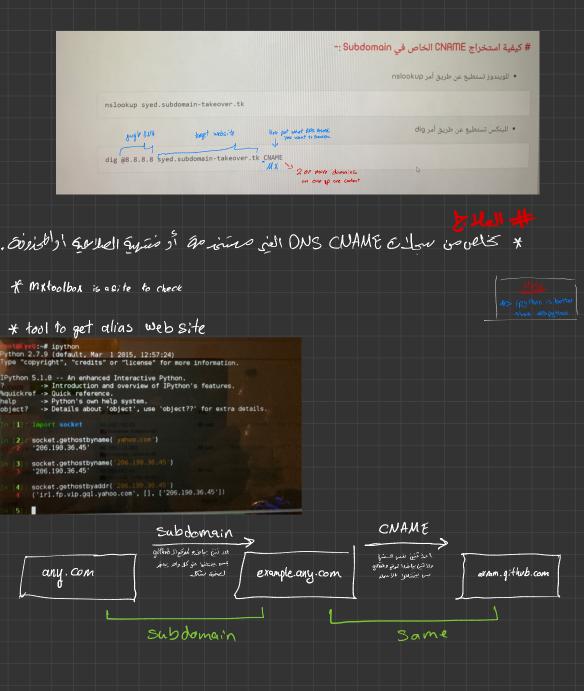
- It's SUPER easy. Sign up for a new account and claim the domain. Done.
- It's completely hidden. The Domain Owner won't notice. The attacker won't leave any traces for the Domain Owner. Good luck monitoring this in an IDSI
- The Service Provider is unlikely to be able to fix this in a feasible way.

Now if this wasn't bad enough, imagine this scenario

- A Domain Owner points their * (wildcard) DNS-entry to e.g. Heroku.
- They forget to add the wildcard-entry to their Heroku-app.
- Attacker can now claim any subdomain they want from the Domain Owner.
- A Domain Owner will be unaware of the subdomain being exploited.

of How to hunt

- Download Hostile subbruteforcer from github
- Follow Steps above



Description

 One of the subdomains of the scanned domain is pointing to an external service but the external service account was cancelled or has expired. Because the account is not in use anymore, an attacker can claim this account and takeover your subdomain. The attacker can use this subdomain for phishing or to spread malware.

Steps to Hunt Subdomain takeover

- 1. You can use subtake to enumerate subdomains of a domain
- 2. Find all the subdomains which is pointing to
- 3. Make sure that subdomain is inactive or removed
- 4. Try to claim that subdomain
- O Use hostilebruteforcer to hunt subdomain takeoner.
- See if the subdomain is inactive?-les zit is vulnerable no zit is not.

See if Subdomain is pointing to third partu

- > host subdomain any com
- login and clain the subdomain is yours.

tools:

AWS S3 Bucket takeove