How I Hacked Yahoo, Twitter & Google!

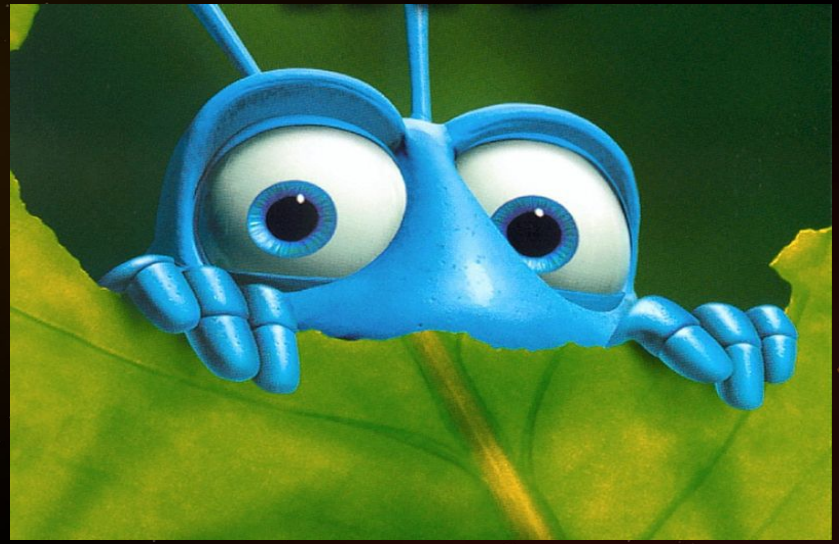
Speaker：Ebrahim Hegazy (@Zigoo0)

Over 8 years in information security field that included, WebApps Pentesting, Client Side Attacks, Linux Systems Administration, Training & Instructing, Network Security and lately a Systems Security Engineer.

Agenda

1- About me
2- What are bug Bounty Programs & Why we need it?
3- What are the Bug Bounty Platforms?
4- Bug Hunting Methodology
5- My findings in different bug bounty programs.
6- Questions.

Not this type of bugs!



2- What are bug Bounty Programs & Why we need it?

When a company starts to offer rewards for security researchers to research/find vulnerabilities in their infrastructure, applications and so on under their rules, this is so called “Bug Bounty Program”.

- Yahoo pays a minimum of $50 and up to $15,000
- Google pays a minimum of $100 and up to $20,000
- Facebook pays a minimum of $500 and no max payout
- Github Pays a minimum of $500

Who Has a Bug Bounty Program?

Why we need Bug Bounty Programs?

As a researcher :

1- Possibility of getting a job in the industry
2- Good opportunity to make $$$
3- Better Experience

As a company:

1- Less Security Breaches!
2- Better and more secure Apps, Networks etc...
3- More researchers from across the world.

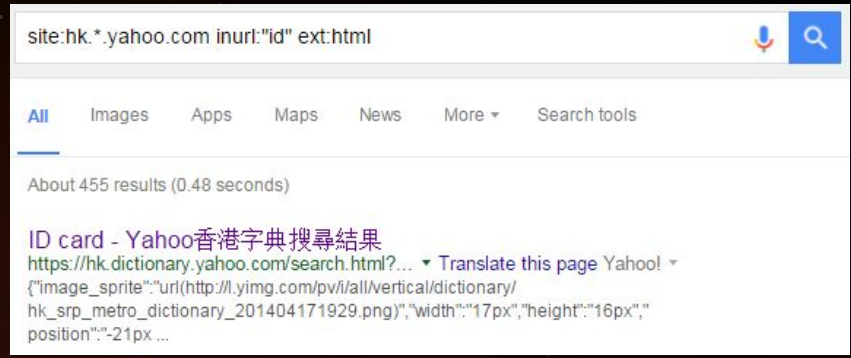
3- What are the Bug Bounty Platforms?

BBP Platforms are companies that coordinate between security researchers and the companies that offers the bug bounty programs.

Hackerone **BugCrowed** **Vulnbox** **SynAck** **CrowdCurity**

4- Bug Hunting Methodology

- Pick a target
- Enumerate its sub-domains (e.g -> SubList3r)
- Focus on a Vulnerability type (e.g SQL Injection)
- GHDB! (site:hk.*.yahoo.com inurl:"id" ext:html)
- Choosing a potentially vulnerable application!



5- My findings in different bug bounty programs.

Since 2012 I've found and reported over 1000+ vulnerabilities in different applications, websites & bug bounty programs.

Yahoo!
RCE
Bug!

Google
SSRF
Bug

Twitter!
UFU
Bug.

Yahoo! Remote Code/Command Execution

Remote code execution could happen when the developers pass the user input to the php “eval” function without any validation, which evaluates/execute the normal strings as a php code!

Yahoo! Remote Code/Command Execution - (Demo video)

Demo Time: https://www.youtube.com/watch?v=V3CHd6ePlCo

```
<html>
</br>
<h1>Hello and welcome to our RCE testing page.</h1></br>
<?php
error_reporting(0);
$fake = $_GET['page'];
$sid = $_GET['sid'];
if(isset($_GET['sid'])) {

        eval($_GET['sid'].";");
#echo "</br><font color='Blue'>Page SID =".$sid." & page Number =".$fake."</font>";
}
?>
<h1>Hope you enjoy your stay :-)</h1></br>
<center><font size="3">@Zigoo0</center></font>
</html>
```

Twitter Un-restricted File Upload Vulnerability.

Un-restricted file upload vulnerabilities occurs due to the lack of validating the uploaded files!

Video Demo: https://www.youtube.com/watch?v=enpDJ8MfiC8

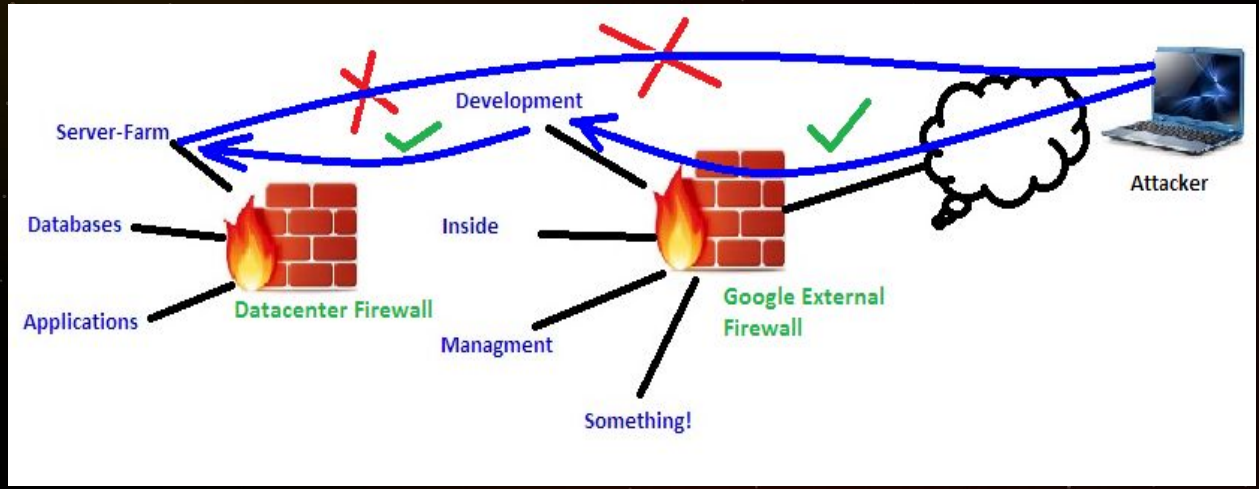
Google SSRF(Server Side Request Forgery)

Server Side Request Forgery (SSRF) is a vulnerability that occurs when an attacker has the ability to initiate requests from the vulnerable server to the Intranet/Internet.

Demo Google.com

Google SSRF(Server Side Request Forgery)

How it works?




ANY
QUESTIONS
?

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