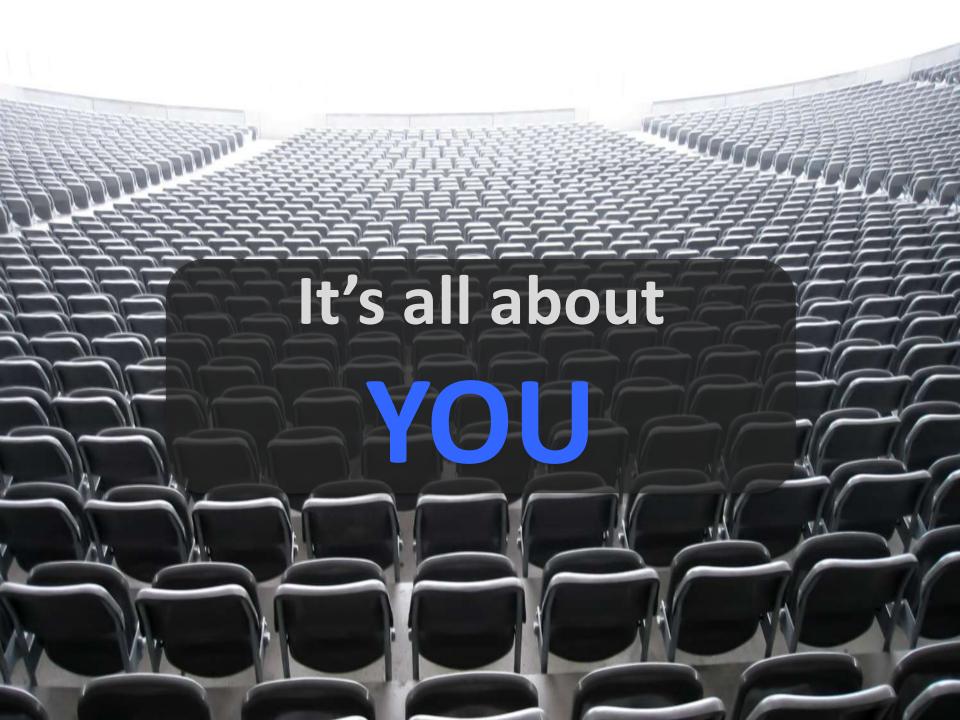


Decoding Bug Bounty Programs





What is your Role?

Builder

Breaker

Defender

Bug Bounty Programs are Revolutionizing the way businesses protect themselves

O RLY?

Traditional security testing is

- 1. Automated tools don't work
- 2. Waterfall security isn't Agile
- 3. Massive shortage of talent
- 4. Cost prohibitive

WANTED

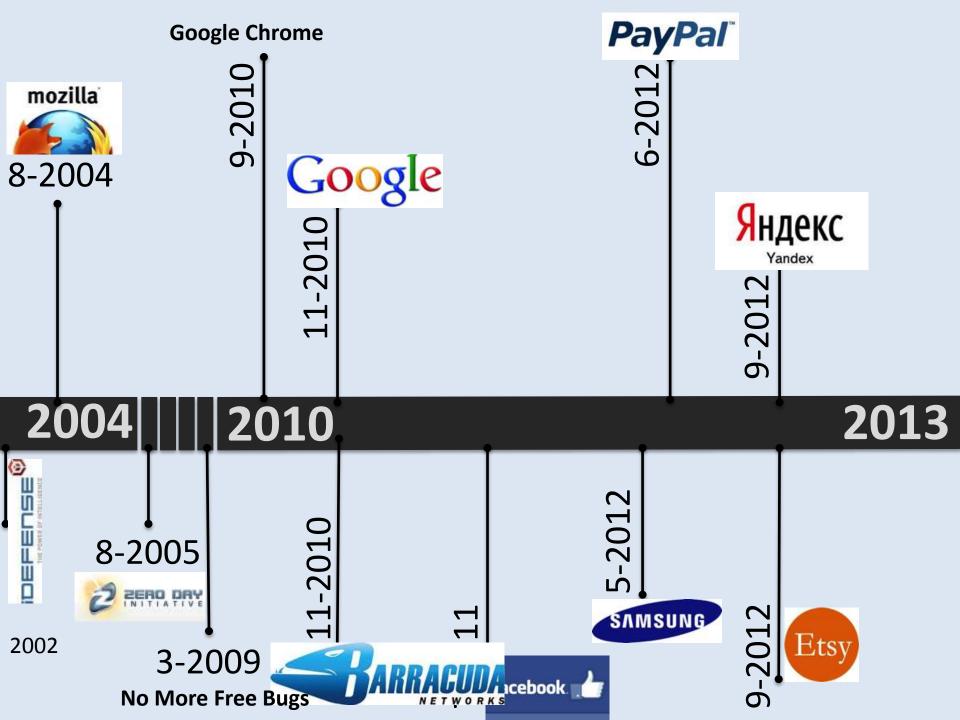
Bug Bounty Program



PATCHED or ALIVE CASH REWARD

\$50 to \$500





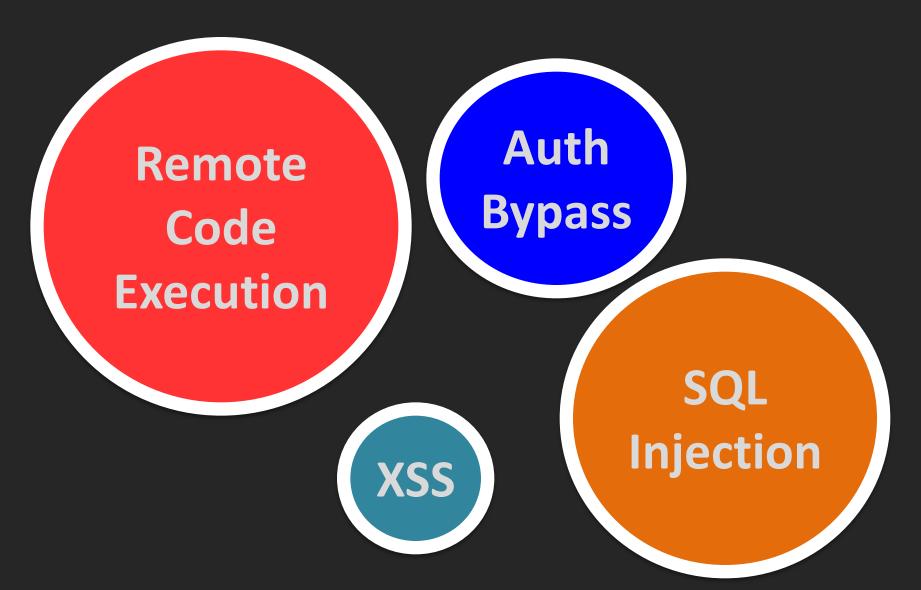
Any Bug Reporters?



Keys to Running a Bug Bounty

5 Simple Rules

Bug Payouts



Not all bugs are

equal







Well Defined Targets and Scope

Do you pay for valid bugs that are out of scope?

5 Major Benefits





Diversity in Tools,
Techniques,
Approach



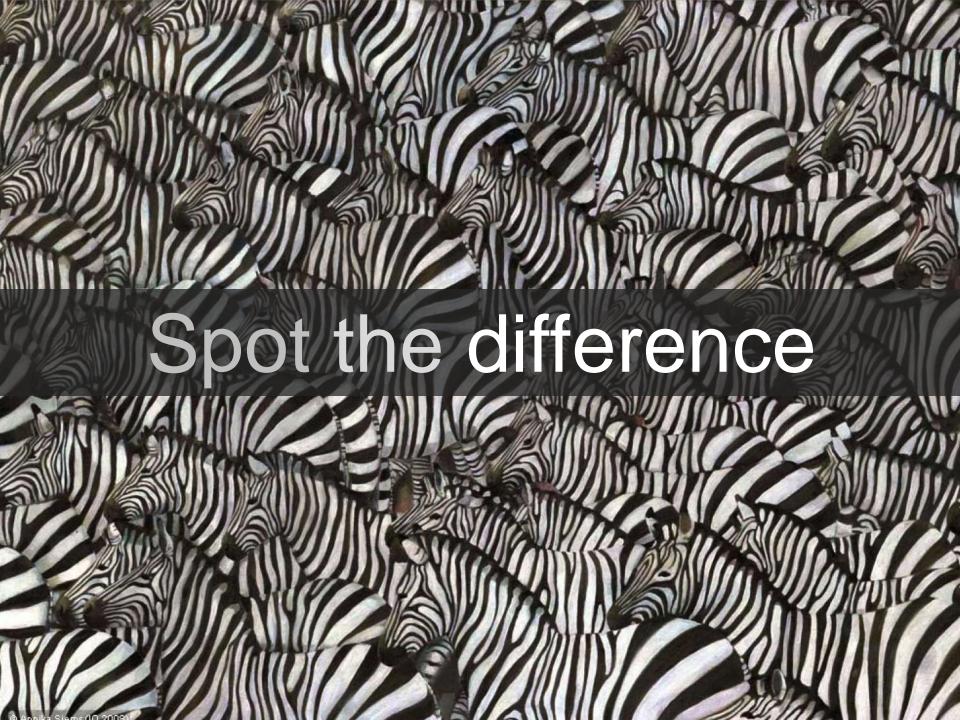


Are companies with bug bounties MORE secure?

8 Potential Problems





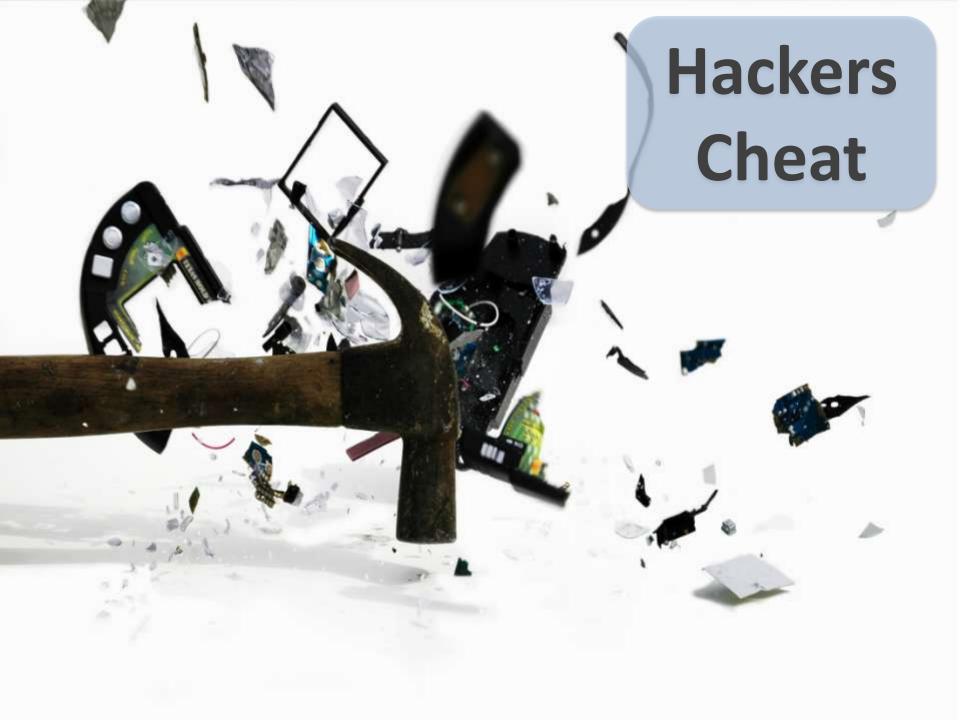












Bounty Hunters



Helping Secure popular services, improving my skills, the credit, and of course the *payment* for a job well done

@NightRang3r
Bug Bounty Hunter



...enhances my logical bug finding creativity and approach. It motivates me..





is First of all the challenge, and second, the acknowledgement of researcher's hard work and rewarding, them accordingly

@NightRang3r
Bug Bounty Hunter



I like the *training* aspects of bug bounties



@makash Bug Bounty Hunter



The new challenges which I get in the bug bounty programs and also the appreciation by the bug bounty security team

@AjaySinghNegi
Bug Bounty Hunter

Benefits



Practice
Makes
Perfect





Pick One:

- Money
- Fame
- Experience

4

Problems Ahead...



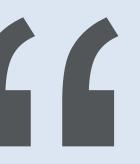


Terms can change at any time





Free Advice



Be prepared to run such a program, have the professional man power to deal with bug submissions and to understand them

@NightRang3r
Bug Bounty Hunter



Proper *Verification*, *timely reply* to bugs submissions with status



@AjaySinghNegiBug Bounty Hunter

Statistics don't Lie

Almost 80% of bug submissions are sent in by researchers who submit less than 10 bugs total

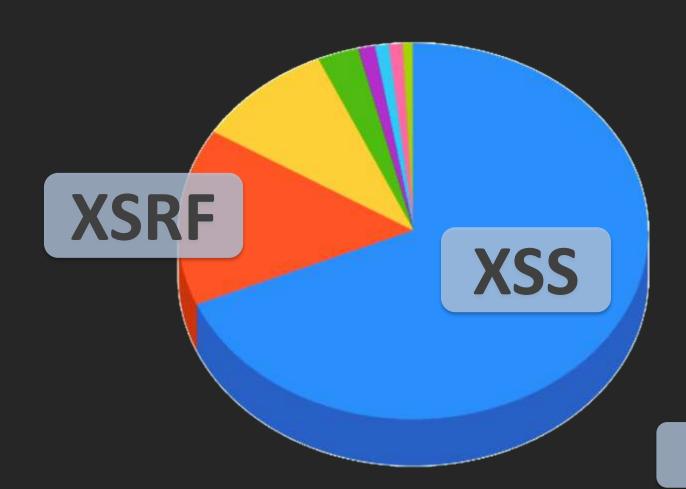


44% percent of all bugs are the *first and only* bug sent by a researcher

10% of the researchers submit 25 bugs or more

Google has paid out \$806,501 as of 3/11/2013

Almost 70% of valid bugs are XSS



Google

Does it Work?

Google is reporting *fewer* bug submissions

"Harder to find"
Google Bug Hunter

Crowd-Sourced Security is

changing testing

Outsourcing





CrowdSecurify

Bugwolf



Submit bugs

Accept bugs Provide Rewards

Get Secure

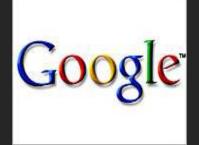
Thank You!

















Dark on Light

Continuous

Light on Dark



Be prepared to run such a program, have the professional man power to deal with bug submissions and to understand them

@NightRang3r Bug Bounty Hunter



Callout for Dark

Dark Grey Text

P₀P

Light Grey

Callout for Light

Program Costs



Analysis



Tracking



Development



Payment

Crowd Sourcing







