



# INTRODUCTION TO BUG BOUNTY

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# TOPICS



What is Bug Bounty



Little history on Bug Bounty



Platforms for Bug Bounty



Types of Bug Bounty Program



Where to start learning Bug Bounty

# What is Bug Bounty ?

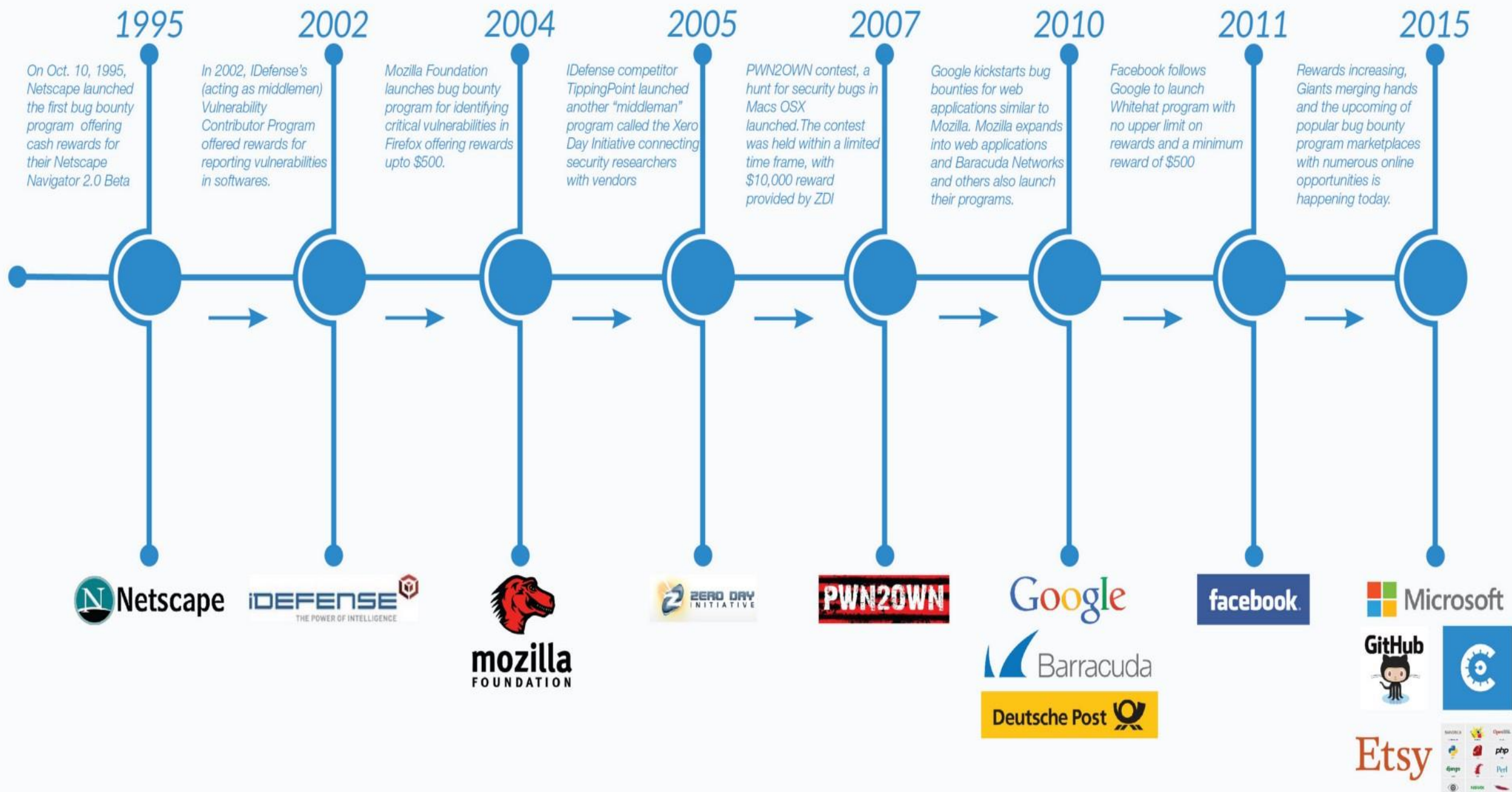
- Bug bounties are currently one of the most popular ways for organizations to find security bugs. From large corporations, like PayPal and Facebook to government agencies like the US Department of Defense have all embraced the idea.
- Bug bounties are a great way to gain experience in cybersecurity and earn some extra bucks.





# History of Bug Bounty.






- In 1995, Netscape launched the first-ever bug bounty program. They encouraged users to report bugs in their brand-new browser, the Netscape Navigator 2.0. This was the first time the idea of crowdsourced security testing was introduced to the Internet world. This means that the first bug bounty program was created 25 years ago.
- The next corporate bug bounty program was launched by Mozilla only nine years later in 2004, encouraging users to identify bugs in Firefox.
- Google launched its bug bounty program in 2010 and Facebook in 2011. These two programs started the trend of using bug bounties as an augmentation to a corporation's in house security infrastructure.








# Platform's of Bug Bounty


- After BugBounty became well-known. The two largest bug bounty platforms, HackerOne and Bugcrowd were both launched in 2012. After that, a few more platforms, such as Synack, Cobalt, and Intigriti emerged.
- Bug bounty platforms acts as a third-party agent which deals with submitting and review of the vulnerability reports to the company.
- They are the link between security researcher and the company and they act as a trust agent.

**Bugcrowd vs HackerOne**  
Which companies use these tools?

 Bugcrowd	 Dropbox	 Heroku
	 Tagged	 B2C

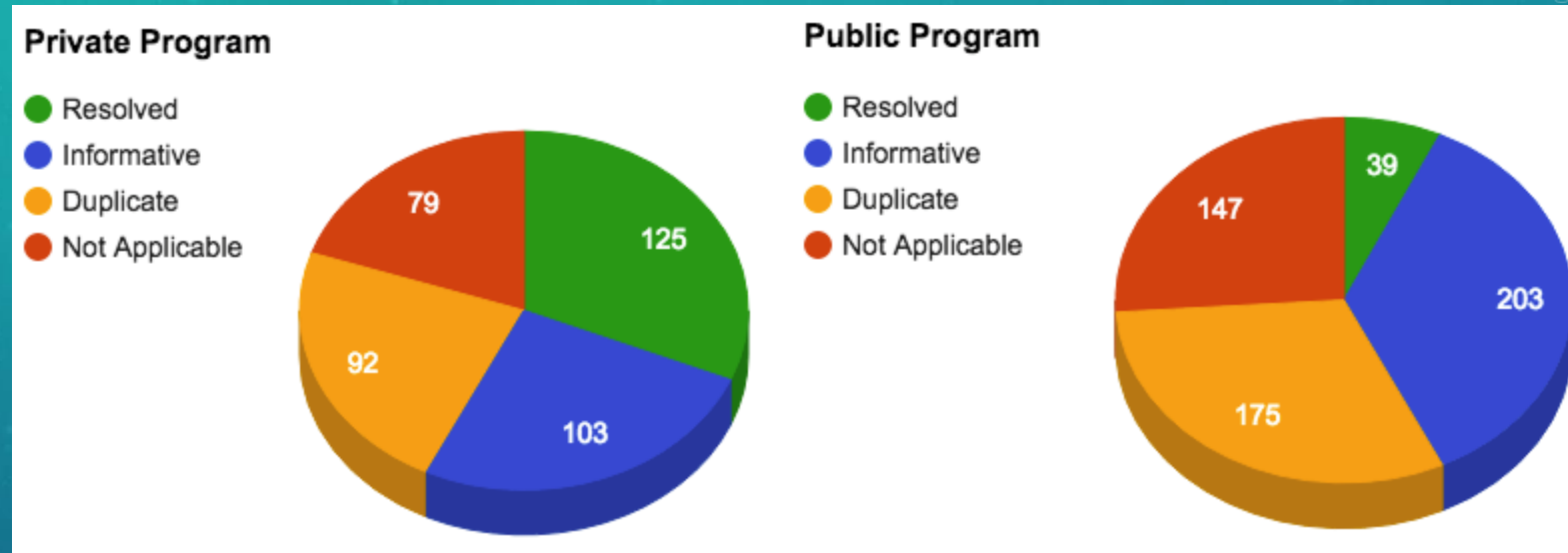
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 HackerOne	 Uber	 Dropbox
	 Twitter	 Slack

 **stackshare**



# Types of Bug Bounty Programs



- **Public**
  - Public programs are the programs which any one can access and start hunting bug on.
  - Out of 100% only 21% of programs are public reported by hackerone.
- **Private**
  - Private programs are invite only program which you get when you have a good profile on bug bounty platform
  - As competition is less chances of getting bugs are more then public programs.

# Where to start learning Bug Bounty.

- Books:

- Web Hacking 101 by Peter Yaworski. - <https://leanpub.com/web-hacking-101>
- The Web Application Hacker's Handbook: Finding and Exploiting Security Flaws by Dafydd Stuttard and Marcus Pinto. - <https://www.amazon.com/Web-Application-Hackers-Handbook-Exploiting/dp/1118026470/>
- OWASP Testing Guide v4 by OWASP Breakers community. - <https://www.owasp.org/images/1/19/OTGv4.pdf>
- Tangled Web by Michal Zalewski. - <https://www.nostarch.com/tangledweb>

- Youtube:

- STÖK - <https://www.youtube.com/channel/UCQN2DsJnYH60SFBIA6IkNwg>
- Nahamsec - <https://www.youtube.com/channel/UCCZDt7MuC3Hzs6IH4xODLBw>
- PwnFunction - <https://www.youtube.com/channel/UCW6MNdOsqv2E9AjQkv9we7A>
- InsiderPhD - <https://www.youtube.com/user/RapidBug/>
- BugCrowd - [https://www.youtube.com/channel/UCo1NHk\\_bgbAbDBc4JinrXww](https://www.youtube.com/channel/UCo1NHk_bgbAbDBc4JinrXww)



- Websites:
  - Web Security Academy - <https://portswigger.net/web-security>
  - Pentesterlab - <https://pentesterlab.com/>
  - Cybrary - <https://www.cybrary.it/course/web-application-pen-testing/>
- Twitter:
  - #bugbounty
  - #bugbountytip
  - #bugbountytips
- Other platforms to learn:
  - Discord , Medium , github.

# References

- <https://github.com/EdOverflow/bugbounty-cheatsheet>
- <https://medium.com/inbughunters/getting-started-in-bug-bounty-7052da28445a>
- <https://www.itspmagine.com/itsp-chronicles/history-and-interesting-facts-about-bug-bounties-an-appsec-usa-2017-panel-recap>
- <https://medium.com/swlh/a-tour-around-the-bug-bounty-zoo-c63ccbf4d7cd>
- <https://medium.com/swlh/how-to-get-into-bug-bounties-383266799832>
- <https://medium.com/bugbountywriteup/introduction-to-bug-bounty-for-noobs-46654bd6e0e2>

*THANK YOU*



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