



ETHICAL HACKING AND BUG BOUNTY PROGRAMS

2024

PROPOSED TO:
DEPI PROGRAM

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2024

Introduction

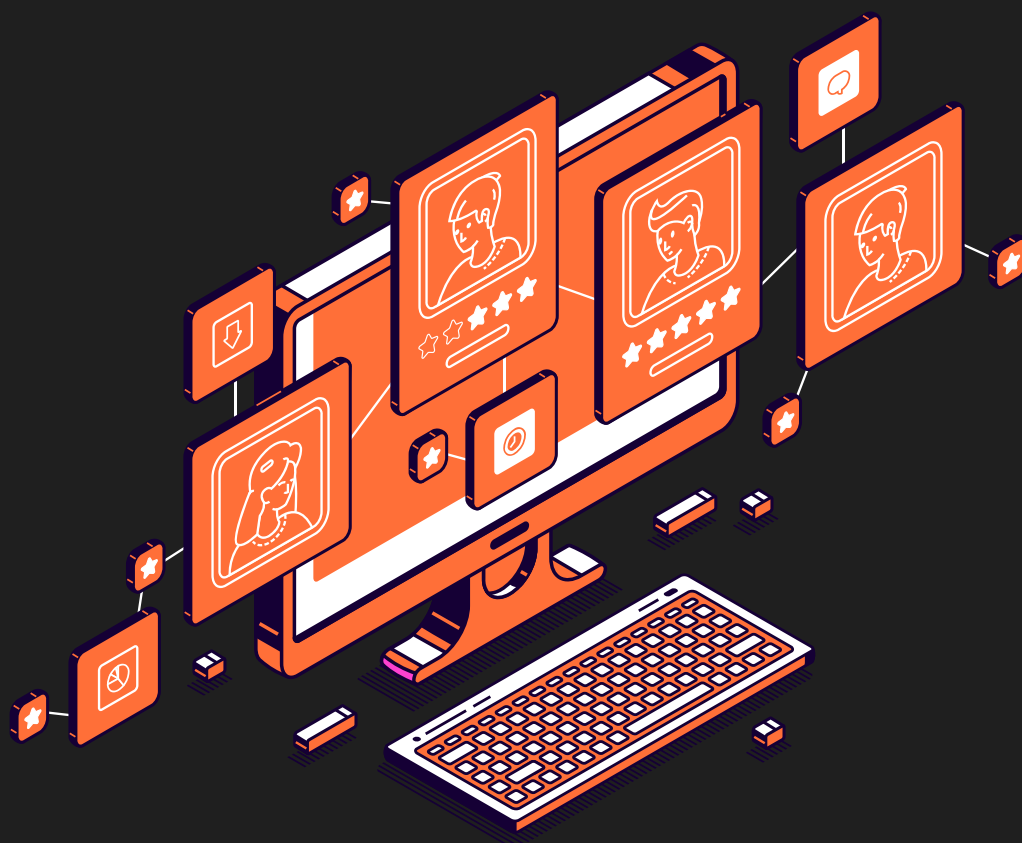


- What is Ethical Hacking?
 - Ethical hackers, also known as white hat hackers, exploit vulnerabilities with permission to enhance security.
- What are Bug Bounty Programs?
 - Programs where companies reward ethical hackers for finding and reporting security vulnerabilities.



2024

Types of Hackers:



White Hat: Ethical hackers who improve security.

Black Hat: Malicious hackers seeking illegal benefits.

Gray Hat: Operate in legal grey areas; might hack without permission but report vulnerabilities without malicious intent.



Introduction to Bug Bounty Programs



01

HackerOne: Used by organizations like Google, Microsoft, and Starbucks.

02

Bugcrowd: Trusted by companies like Tesla, Mastercard, and Atlassian.

03

Synack: Combines AI-powered vulnerability detection with human ethical hackers.

04

Cobalt: provides a Pentest as a Service (PtaaS) model, which makes traditional penetration testing more accessible and scalable using a community of vetted ethical hackers.



Conclusion



- **Ethical Hacking:**

An essential proactive defense for modern cybersecurity.

- **Bug Bounty Programs:**

A cost-effective, crowdsourced way for companies to enhance security.

- **Collaboration for a Safer Digital World:**

Ethical hackers and organizations working together can create a safer internet.