



# Association for Cyber Security (ACS)

Empowering Protectors of the Cyber World

Session BY: Harmanpreet Singh  
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# Introduction to Bug Bounty Programs

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## **Definition and Purpose:**

- Programs designed to incentivize ethical hackers to find and report vulnerabilities.
- Purpose: Enhance security by leveraging a global pool of talent.

## **Historical Background and Evolution:**

- Origins in the late 1990s with companies like Netscape.
- Evolution to widespread adoption by tech giants and smaller firms alike.

## **Importance in the Cybersecurity Landscape:**

- Critical in proactive security measures.
- Complements traditional security testing methods.

# Program Types

- Public vs. Private Programs
- Narrow Scope vs. Open Scope
- Managed vs. Unmanaged Programs

# Bug Bounty Platforms

HackerOne, Bugcrowd, Synack



# Key Terminologies

- Bounty, Vulnerability, Exploit, Triaging, Scope, Responsible Disclosure
- Understanding common terms used in bug bounty programs

# Benefits for Security Researchers

A large, faint watermark of the ACS (Association for Cyber Security) logo is visible in the background. The logo is circular and contains the text 'ASSOCIATION FOR CYBER SECURITY' around the perimeter and 'ACS' in the center.

- Financial rewards
- Skill enhancement and learning opportunities
- Building a professional reputation

# Benefits for Organizations


- Cost-effective security testing
- Access to a global pool of talent
- Continuous security assessment



# Bug Bounty Procedure

- Steps involved in participating in a bug bounty program
- Finding and reporting vulnerabilities
- Communication with program managers

# Report Submission Process

A large, faint watermark of the ACS Cyber Security Association logo is centered in the background. The logo is circular with 'ASSOCIATION FOR' at the top and 'CYBER SECURITY' at the bottom. In the center is a shield with 'ACS' on it, surrounded by circuit-like patterns and stars.

- Writing a vulnerability report
- Submission and communication with program managers

# Evaluation and Reward

A large, faint watermark of the ACS Cyber Security logo is centered in the background. The logo is circular with 'ACS' in the center, 'CYBER SECURITY' at the bottom, and 'ASSOCIATION FOR' at the top. It features circuit-like patterns and a central shield-like shape.

- Vulnerability triage and validation
- Severity ratings (CVSS Scores)
- Payment and recognition

# Challenges for Researchers



- Legal and ethical considerations
- Competitive nature of programs
- Non-payment or low rewards

# Challenges for Organizations



- Managing and triaging reports
- Potential for public disclosure of vulnerabilities
- Resource allocation for fixes

# Why Recon Is Important



- Importance of reconnaissance in bug bounty
- Techniques for effective reconnaissance

# Automation vs. Manual Approach



- Pros and cons of automated vs. manual testing
- Finding the right balance

The background features a large, faint, circular logo. The logo is for the "Association for Cyber Security". It has a circular border with the text "ASSOCIATION FOR" at the top and "CYBER SECURITY" at the bottom. Inside the circle, there is a stylized globe or sphere with a grid of lines, and various symbols representing technology and security, such as circuitry, a key, and a shield.

# Case Study Time





# Q&A Session



**Thank You**