

# ***The Anatomy of a Cyber Attack***

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May 26, 2022

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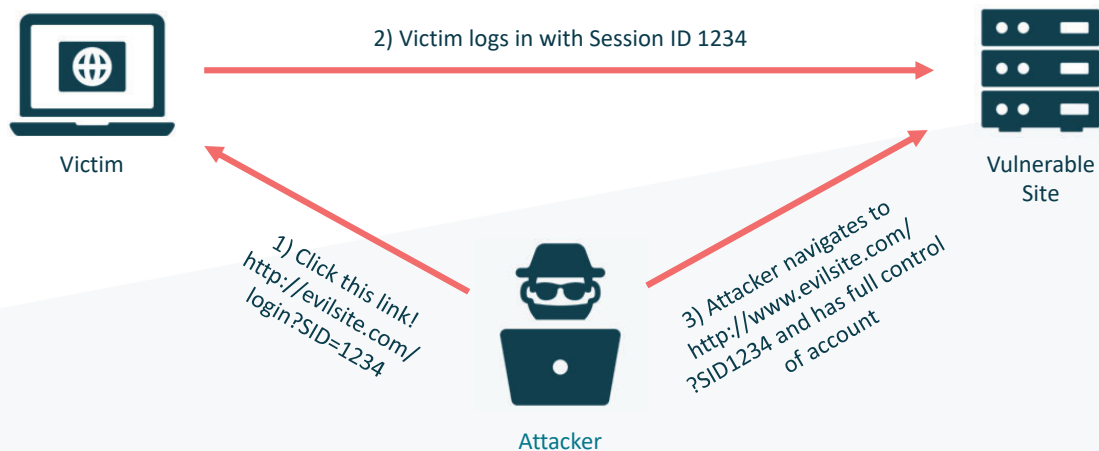
## ***Cookie Stealing***

## Cross-Site Scripting (XSS)

- Attacker finds vulnerability in a website
- Attacker injects malicious code into the website or web app so that when the page loads, the code is executed
- When the user logs in, the server authenticates the user and the browser executes the code
- The session key is sent to the attacker who can take over the user's session

## Cross-Site Scripting (XSS)

### Session Fixation Attack



## Packet Sniffing

- Attacker observes the communication between the server and the client
- Attacker intercepts the session cookie when the user authenticates
- Malware also can be designed for packet sniffing and sending the session key to the attacker

## Packet Sniffing

### Public Wi-Fi Session Sniffing Attack



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First appeared as part of the conference materials for the  
35<sup>th</sup> Annual Technology Law Conference session

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