Cybersecurity Threat Landscape (Part 3 - Verizon)

In this part, you should primarily use the *Verizon Data Breaches Investigation Report* plus independent research to answer the below questions.

1. **What is the difference between an incident and a breach?**

* Incident: A security event that compromises the integrity, confidentiality, or availability of an information asset.
* Breach: An incident that results in the confirmed disclosure—not just potential exposure—of data to an unauthorized party

1. **What percentage of breaches were perpetrated by outside actors? What percentage were perpetrated by internal actors?**

* 69% were perpetrated by outside actors
* 34% were perpetrated by internal actors

1. **What percentage of breaches were perpetrated by organized criminal groups?**

* 39% were perpetrated by organized criminal groups

1. **What percentage of breaches were financially motivated?**

* 71% were financially motivated

1. **Define the following:   
     
   Denial of Service:** denial-of-service attack (DoS attack) is a [cyber-attack](https://en.wikipedia.org/wiki/Cyber-attack) in which the perpetrator seeks to make a machine or network resource unavailable to its intended [users](https://en.wikipedia.org/wiki/User_(computing)) by temporarily or indefinitely disrupting [services](https://en.wikipedia.org/wiki/Network_service) of a [host](https://en.wikipedia.org/wiki/Host_(network)) connected to the [Internet](https://en.wikipedia.org/wiki/Internet).    
    **Command and Control:** Command-and-control attacks can compromise an entire network. It is basically when an attacker has control over your network/computers

**Backdoor:** a method by which authorized and unauthorized users are able to get around normal security measures and gain high level user access (aka root access) on a computer system, network or software application. **Keylogger:** Keylogger can be either a software program or a hardware that is used by an attacker to record the key presses on a user’s keyboard.

1. **The time from an attacker’s first action to the initial compromise of an asset is typically measured in which one? Seconds, minutes, hours, days?**

* Minutes

1. **When it comes to phishing, which industry has the highest click rates?**

* Education