# Cybersecurity Threat Landscape (Part 2 - Akamai)

In this part, you should primarily use the *Akamai\_Security\_Year\_in\_Review\_2019* and *Akamai State of the Internet/ Security* plus independent research to answer the below questions.

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1. DDOS attack events from January 2019 to September 2019 largely targeted which industry?   
   **DDOS attacks mainly targeted the gaming industry**
2. Almost 50% of unique targets for DDoS attacks from January 2019- September 2019 largely targeted which industry?   
   **The financial services industry**
3. Which companies are the top phishing targets, according to Akamai?   
     
   **Microsoft, Paypal, DHL, Dropbox, Docusign, and LinkedIn are the top phishing targets,**
4. What is credential stuffing?   
   **Is an automated attack using stolen username and passwords**
5. Which country is the number one source of credential abuse attacks? Which country is number 2?  
     
    **1. United states  
    2. Russia**
6. Which country is the number one source of web application attacks? Which country is number 2?  
   1. United States - 1.4bil  
   2. Russia - 1.09bil
7. In Akamai’s State of the Internet report, it refers to a possible DDoS team that the company thought was affecting a customer in Asia (starts on page 11).

* Describe what was happening.
  + **A website was being flooded with traffic that almost overflowed the database**
* What did the team believe the source of the attack was?   
  **- They believed it was a DDos attack**
* What did the team actually discover?
  + **According to the report, it was a “warranty tool gone haywire” which was hammering the URL with a copious amount of POST requests.**

1. What is an example of a performance issue with bot traffic?   
   **- Slow websites  
   - Frustrated Customers  
   - IT Expenses**
2. Known-good bots are bots that perform useful or helpful tasks, and not do anything malicious to sites or servers. What are the main categories of known-good bots.   
     
   **- Search engine crawlers  
   - SEO, Audience analytics, and marketing service  
   - Site monitoring Services  
   -Content Aggregators**

1. What are two evasion techniques that malicious bots use?   
     
   **1. Altering user agent and other http header values - Allows the bot to impersonate other browsers and applications.  
     
   2. Change IP addresses or use multiple IP Addresses**