

Security 101 Homework: Cybersecurity Threat Landscape

Part 2: Akamai Security Year in Review 2020

In this part, you should primarily use the *Akamai Security Year in Review 2020* and *Akamai State of the Internet/ Security* along with independent research to answer the below questions.

1. What was the most vulnerable and targeted element of the gaming industry between October 2019 to September 2020?

Credential based attacks were the most prolific attack in 2019 - 2020. Attackers would often phish users for game collection accounts such as Steam or Battle.net and would resell the accounts online for a large profit.

2. From October 2019 to September 2020, which month did the financial services industry have the most daily web application attacks?

In September

3. What percentage of phishing kits monitored by Akamai were active for only 20 days or less?

60% of all phishing kits were only active for 20 days or less

4. What is credential stuffing?

Credential stuffing is when hackers or eCriminals get their hands on large pools of user credentials, then try those credentials on other sites. An example would be, if there was a massive Facebook account breach where thousands of user accounts were now available to the hacking community in plaintext, a hacker could set up a bot to run those credentials through other popular sites that may have the same password.

5. Approximately how many of the gaming industry players have experienced their accounts being compromised? How many of them are worried about it?

Over half of the players they interviewed claimed to have had accounts compromised, yet only one fifth of the players were actually worried about it.

6. What is a three-question quiz phishing attack?

A three question quiz phishing attack is an attack that has a scammer use a short quiz or test in order to gain user information. They can range from acting as a tech company telling you you've won a free tablet or phone, or they can mimic government officials asking if you would like a free covid test.

7. Explain how Prolexic Routed defends organizations against DDoS attacks.

Prolexic Routed protects against DDOS attacks, by redirecting traffic through "Akamai scrubbing centers" which weeds out traffic that is suspected to be part of the attack, allowing clean users to pass through.

8. What day between October 2019 to September 2020 had the highest Daily Logins associated with Daily Credential Abuse Attempts?

August 17th, 2020 had the highest Daily Credential Abuse Attempts.

9. What day between October 2019 to September 2020 had the highest gaming attacks associated with Daily Web Application Attacks?

July 11th, 2020 had over 14 million Web Application attacks, the highest that year.

10. What day between October 2019 to September 2020 had the highest media attacks associated with Daily Web Application Attacks?

August 20th, 2020 had over 5 million attacks, which was the highest that year