

Threat actor types and attack vectors.

1. **Question:** Which of the following is an example of an external threat actor?

- A) Disgruntled employee
- B) Competitor
- C) Insider threat
- D) Business partner
- **Answer:** B) Competitor

2. **Question:** What is a common motivation for hackers as threat actors?

- A) Financial gain
- B) Intellectual challenge
- C) Political or social activism
- D) Espionage
- **Answer:** C) Political or social activism

3. **Question:** Which of the following is an example of an unintentional insider threat?

- A) Corporate spy
- B) Disgruntled employee
- C) Contractor with malicious intent
- D) Employee clicking on a phishing link accidentally
- **Answer:** D) Employee clicking on a phishing link accidentally

4. **Question:** What is an example of a state-sponsored threat actor?

- A) Cybercriminal group
- B) Hacktivist group
- C) Competitor
- D) National intelligence agency
- **Answer:** D) National intelligence agency

5. **Question:** Which of the following is a common attack vector used by threat actors?

- A) Encryption
- B) Antivirus software
- C) Social engineering
- D) Firewalls
- **Answer:** C) Social engineering

6. **Question:** Phishing is an example of which type of attack vector?

- A) Software exploitation
- B) Physical intrusion
- C) Social engineering
- D) Network intrusion
- **Answer:** C) Social engineering

7. **Question:** Which attack vector involves tricking individuals into revealing sensitive information?

- A) Spear phishing
- B) SQL injection
- C) Denial of Service (DoS)
- D) Zero-day exploit
- **Answer:** A) Spear phishing

8. **Question:** What is a common characteristic of a phishing attack?

- A) Use of software vulnerabilities
- B) Exploitation of weak passwords
- C) Targeting specific individuals or organizations
- D) Overloading a system with traffic
- **Answer:** C) Targeting specific individuals or organizations

9. **Question:** Which attack vector involves inserting malicious code into a legitimate website or application?

- A) SQL injection

- B) Cross-site scripting (XSS)
- C) Man-in-the-middle (MitM) attack
- D) Zero-day exploit
- ****Answer:** B) Cross-site scripting (XSS)**

10. ****Question:**** What is the primary goal of a ransomware attack?

- A) Stealing sensitive information
- B) Disrupting normal business operations
- C) Gaining unauthorized access to a network
- D) Encrypting files and demanding payment for decryption
- ****Answer:** D) Encrypting files and demanding payment for decryption**

11. ****Question:**** Which attack vector involves sending a large volume of traffic to a system to make it unavailable?

- A) Ransomware
- B) Denial of Service (DoS)
- C) Cross-site scripting (XSS)
- D) Man-in-the-middle (MitM) attack
- ****Answer:** B) Denial of Service (DoS)**

12. ****Question:**** Which of the following is a characteristic of a zero-day exploit?

- A) It is a known vulnerability with a published patch
- B) It is a vulnerability that has been exploited for more than a day
- C) It is a previously unknown vulnerability
- D) It is a vulnerability that only affects older systems
- ****Answer:** C) It is a previously unknown vulnerability**

13. ****Question:**** What is the purpose of a Distributed Denial of Service (DDoS) attack?

- A) To steal sensitive information
- B) To disrupt normal business operations
- C) To gain unauthorized access to a network

- D) To overload a system with traffic from multiple sources
- **Answer:** D) To overload a system with traffic from multiple sources

14. **Question:** Which of the following is an example of a supply chain attack?

- A) SQL injection
- B) Cross-site scripting (XSS)
- C) Ransomware
- D) Malware inserted into a software update
- **Answer:** D) Malware inserted into a software update

15. **Question:** Which attack vector involves exploiting vulnerabilities in software to gain unauthorized access?

- A) Social engineering
- B) Network intrusion
- C) Software exploitation
- D) Physical intrusion
- **Answer:** C) Software exploitation

16. **Question:** What is the primary goal of a man-in-the-middle (MitM) attack?

- A) To steal sensitive information
- B) To disrupt normal business operations
- C) To gain unauthorized access to a network
- D) To intercept and manipulate communication between two parties
- **Answer:** D) To intercept and manipulate communication between two parties

17. **Question:** Which attack vector involves exploiting vulnerabilities in a website's code to execute malicious scripts?

- A) SQL injection
- B) Cross-site scripting (XSS)
- C) Ransomware
- D) Denial of Service (DoS)
- **Answer:** B) Cross-site scripting (XSS)

18. **Question:** What is the primary goal of a watering hole attack?

- A) To steal sensitive information
- B) To disrupt normal business operations
- C) To gain unauthorized access to a network
- D) To infect visitors of a targeted website with malware
- **Answer:** D) To infect visitors of a targeted website with malware

19. **Question:** Which attack vector involves exploiting vulnerabilities in a database to execute unauthorized commands?

- A) SQL injection
- B) Cross-site scripting (XSS)
- C) Ransomware
- D) Denial of Service (DoS)
- **Answer:** A) SQL injection

20. **Question:** What is the primary goal of a social engineering attack?

- A) To exploit vulnerabilities in software
- B) To disrupt normal business operations
- C) To gain unauthorized access to a network
- D) To manipulate individuals into revealing sensitive information
- **Answer:** D) To manipulate individuals into revealing sensitive information

21. **Question:** Which attack vector involves exploiting vulnerabilities in a network to gain unauthorized access?

- A) Social engineering
- B) Network intrusion
- C) Software exploitation
- D) Physical intrusion
- **Answer:** B) Network intrusion

22. **Question:** What is the primary goal of a brute-force attack?

- A) To exploit vulnerabilities in software
- B) To disrupt normal business operations
- C) To gain unauthorized

Answer:** D) National intelligence agency

5. **Question:** Which of the following is a characteristic of an advanced persistent threat (APT) actor?

- A) Short-term objectives
- B) Easily detectable tactics
- C) Low level of sophistication
- D) Long-term presence in a network
- **Answer:** D) Long-term presence in a network

6. **Question:** What is a common method used by hacktivist groups as attack vectors?

- A) Spear phishing
- B) Ransomware
- C) SQL injection
- D) DDoS attacks
- **Answer:** D) DDoS attacks

7. **Question:** Which of the following is a characteristic of ransomware as an attack vector?

- A) Aims to disrupt or disable systems
- B) Uses deception to gain access
- C) Encrypts data and demands payment for decryption
- D) Exploits vulnerabilities in software
- **Answer:** C) Encrypts data and demands payment for decryption

8. **Question:** What is a common method used by cybercriminals as an attack vector?

- A) DDoS attacks
- B) Social engineering

- C) Data exfiltration
- D) Insider threats
- **Answer:** B) Social engineering

9. **Question:** Which of the following is a characteristic of social engineering as an attack vector?

- A) Exploits vulnerabilities in software
- B) Uses physical force to gain access
- C) Relies on deception to manipulate individuals into divulging confidential information
- D) Encrypts data and demands payment for decryption
- **Answer:** C) Relies on deception to manipulate individuals into divulging confidential information

10. **Question:** What is a common method used by nation-state actors as an attack vector?

- A) Ransomware
- B) Spear phishing
- C) Malware
- D) DDoS attacks
- **Answer:** B) Spear phishing

11. **Question:** Which of the following is a characteristic of spear phishing as an attack vector?

- A) Targets a large number of individuals indiscriminately
- B) Uses deception to gain access
- C) Targets specific individuals or organizations with personalized messages
- D) Encrypts data and demands payment for decryption
- **Answer:** C) Targets specific individuals or organizations with personalized messages

12. **Question:** What is a common method used by insiders as an attack vector?

- A) DDoS attacks
- B) Social engineering
- C) Data exfiltration
- D) Malware

- **Answer:** C) Data exfiltration

13. **Question:** Which of the following is a characteristic of malware as an attack vector?

- A) Relies on deception to manipulate individuals into divulging confidential information
- B) Encrypts data and demands payment for decryption
- C) Disables or damages systems
- D) Exploits vulnerabilities in software

- **Answer:** C) Disables or damages systems

14. **Question:** What is a common method used by hacktivist groups as an attack vector?

- A) Ransomware
- B) DDoS attacks
- C) Malware
- D) Social engineering

- **Answer:** B) DDoS attacks

15. **Question:** Which of the following is a characteristic of DDoS attacks as an attack vector?

- A) Targets specific individuals or organizations with personalized messages
- B) Disables or overwhelms systems with a flood of traffic
- C) Exploits vulnerabilities in software
- D) Encrypts data and demands payment for decryption

- **Answer:** B) Disables or overwhelms systems with a flood of traffic

16. **Question:** What is a common method used by cybercriminals as an attack vector?

- A) Ransomware
- B) Phishing
- C) Data exfiltration
- D) Insider threats

- **Answer:** B) Phishing

17. **Question:** Which of the following is a characteristic of phishing as an attack vector?

- A) Disables or damages systems
- B) Uses deception to gain access
- C) Targets specific individuals or organizations with personalized messages
- D) Encrypts data and demands payment for decryption
- **Answer:** B) Uses deception to gain access

18. **Question:** What is a common method used by nation-state actors as an attack vector?

- A) Malware
- B) Spear phishing
- C) DDoS attacks
- D) Social engineering
- **Answer:** A) Malware

19. **Question:** Which of the following is a characteristic of malware as an attack vector?

- A) Targets specific individuals or organizations with personalized messages
- B) Disables or overwhelms systems with a flood of traffic
- C) Exploits vulnerabilities in software
- D) Encrypts data and demands payment for decryption
- **Answer:** C) Exploits vulnerabilities in software

20. **Question:** What is a common method used by insiders as an attack vector?

- A) DDoS attacks
- B) Social engineering
- C) Data exfiltration
- D) Malware
- **Answer:** C) Data exfiltration

21. **Question:** Which of the following is a characteristic of data exfiltration as an attack vector?

- A) Relies on deception to manipulate individuals into divulging confidential information
- B) Encrypts data and demands payment for decryption
- C) Disables or damages systems

- D) Steals sensitive data and transfers it out of a network
- **Answer:** D) Steals sensitive data and transfers it out of a network

22. **Question:** What is a common method used by hacktivist groups as an attack vector?

- A) Ransomware
- B) DDoS attacks
- C) Malware
- D) Social engineering
- **Answer:** B) DDoS attacks

23. **Question:** Which of the following is a characteristic of DDoS attacks as an attack vector?

- A) Targets specific individuals or organizations with personalized messages
- B) Disables or overwhelms systems with a flood of traffic
- C) Exploits vulnerabilities in software
- D) Encrypts data and demands payment for decryption
- **Answer:** B) Disables or overwhelms systems with a flood of traffic

24. **Question:** What is a common method used by cybercriminals as an attack vector?

- A) Ransomware
- B) Phishing
- C) Data exfiltration
- D) Insider threats
- **Answer:** B) Phishing