

Lesson 4.6.2 - Multifactor Authentication (MFA)

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Seat 99 (Grade level 13)

Cyber Capstone

1. What is Multifactor Authentication (MFA)?

- A. A security process that requires users to provide only a username and password.
- B. A security process that requires users to provide two or more forms of identification.
- C. A security process that allows users to bypass traditional authentication methods.
- D. A security process that requires users to change their password frequently.

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2. Which of the following statements about MFA is true?

- A. MFA does not add any additional layers of verification beyond passwords.
- B. MFA mitigates the impact of credential theft by relying solely on passwords.
- C. MFA enhances security by requiring multiple forms of identification.
- D. MFA is not required by regulatory standards or compliance frameworks.

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3. What is a common example of something you have for authentication?

- A. Password
- B. Security key
- C. PIN
- D. Geolocation

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4. Which authentication factor involves unique physical or behavioral characteristics?

- A. Something you know
- B. Something you have
- C. Something you are
- D. Somewhere you are

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5. What is the purpose of using authentication tokens?

- A. To bypass authentication processes
- B. To provide a single form of identification
- C. To generate one-time passwords or codes
- D. To replace passwords entirely

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6. Which factor involves verifying the user's location?

- A. Something you know
- B. Something you have
- C. Something you are
- D. Somewhere you are

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7. What is the primary advantage of Multifactor Authentication?

- A. It enhances security by requiring multiple forms of identification.
- B. It simplifies the authentication process for users.
- C. It eliminates the need for passwords.
- D. It allows access from any location without additional verification.

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