

User authentication

Self-assessment test

Select the correct answer.

1. Authentication and identification, are they the same?
 - Yes, they are synonyms.
 - No, authentication involves identity verification.**
 - No, identification takes place when the authentication process is satisfied.
 - Yes, though just when it is referred to people.

2. Complete the following sentence:

“A system based on _____ is focused on “something the user _____” “

- Tokens; is.
 - Secrets; is.
 - Passwords; has.
 - Passwords; knows.**
3. Regarding passwords management, how should they be stored in a system?
 - In cleartext but written within a non-suspicious file name.
 - In a excel sheet or something similar, without including usernames.
 - After applying a hash function, in a file or database.**
 - In a database in which the access is managed through multifactor authentication.
 4. How should password renewal be managed?
 - Renewed from time to time, and specially in critical systems.**
 - Passwords could be never changed.
 - Passwords could be short, if they are “strange” enough.
 - Passwords could be long, even if they are trivial to come up with.

-
5. Why is social engineering a threat to password-based systems?
- Because it models the functioning of society, thus passwords are foreseen.
 - **Because they are techniques that trick users to reveal their passwords.**
 - Because engineer criteria are applied over a brute force attack.
 - Social engineering is not a threat to passwords.
6. What is the meaning of OTP acronym in the authentication context?
- **One-Time-Password, passwords of one use only.**
 - On-The-Phone, authentication through the mobile phone.
 - Only-Two-Passwords, multifactor authentication system.
 - None of the above.
7. A chained OTP...
- The token and the server should be synchronized.
 - It is based on challenges sent by both parties.
 - **It consists of generating a password based on the previous one.**
 - A third party could predict the following password if the previous one is intercepted.
8. In a challenged based OTP...
- Authentication occurs when comparing values sent by the token with the stored ones in a database.
 - Authentication occurs when executing an irreversible function f successively over an initial seed.
 - **Authentication is based on determining if the token has used the key stored in a database.**
 - Authentication occurs when the server and the token get to a shared secret, called seed.
9. An authentication system that combines the password knowledge and the possession of a mobile device is called...
- Multipurpose.
 - **Multifactor.**
 - Multimedia.
 - Multisecure.
10. Choose the FALSE sentence concerning biometric authentication:
- **All biometric systems offer the same security level, high in general.**
 - To authenticate a user, a trait or pattern is achieved and compared with the one previously stored in the system.
 - Biometric traits used for authentication purposes should be unique and permanent for each user.
 - Before user authentication, a registration process is required.