COMP3052 Computer Security

Session 05: Access Control

Videoclip: Access Control Models: An Overview of the Four Main Types

https://www.youtube.com/watch?v=7PJdQGALG2k

1. What are three access control security services? (Choose three.)

(A) Access

(B) Authorisation

(C) Repudiation

(D) Authentication

(E) Availability

(F) Accountability

2. Which component of AAA is used to determine which resources a user can access and which operations the user is allowed to perform?

(A) Authorisation

(B) Authentication

(C) Accountability

(D) Auditing

Reference: Module 7: Quiz – Authentication, Authorization, and Accounting (AAA) (Answers) Network Security

https://itexamanswers.net/module-7-quiz-authentication-authorization-and-accounting-aaa-answers-network-security.html

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3. Which term describes the ability of a web server to keep a log of the users who access the server, as well as the length of time they use it?

(A) Assigning permissions

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(C) Authentication

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4.   Because of implemented security controls, a user can only access a server with FTP. Which AAA component accomplishes this?

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5. When a security audit is performed at a company, the auditor reports that new users have access to network resources beyond their normal job roles. Additionally, users who move to different positions retain their prior permissions. What kind of violation is occurring?

(A) Password

(B) Network Policy

(C) Least Privilege

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6. Which access control model assigns security privileges based on the position, responsibilities, or job classification of an individual or group within an organization?

(A) Discretionary

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7. Which type of access control applies the strictest access control and is commonly used in military or mission critical applications?

(A) Discretionary Access Control

(B) Mandatory Access Control

(C) Attribute Based Access Control

(D) Identity Based Access Control

8. After a security audit for an organization, multiple accounts were found to have privileged access to systems and devices. Which three best practices for securing privileged accounts should be included in the audit report? (Choose three.)

(A) Secure password storage.

(B) Reduce the number of privileged accounts.

(C) Only the CIO should have privileged access.

(D) No one should have privileged access.

(E) Enforce the principle of least privilege.

(F) Only managers should have privileged access.

Reference: 3.5.2 Module 3 – Access Control Quiz Answers

https://itexamanswers.net/3-5-2-module-3-access-control-quiz-answers.html

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