

Google IT Support Certificate: Course 5: IT Security - Defense Against the Digital Dark Arts

Week 3: The 3 A's of Cybersecurity: Authentication, Authorization, and Accounting

Quiz: The 3 A's of Cybersecurity: Authentication, Authorization, and Accounting

Question 1:

Fill in the blank: _____ is the idea of describing an entity uniquely.

Eligibility

Validity

Authorization

Identification

Question 2:

Fill in the blank: Authorization is concerned with determining _____ to resources.

eligibility

validity

access

identity

Question 3:

Fill in the blank: Security Keys utilize a secure challenge-and-response authentication system, that is based on _____.

steganography

shared secrets

public key cryptography

symmetric encryption

Question 4:

Which of the following might serve as a multifactor authentication mechanism when used along with a password? Select all that apply.

Passphrase

PIN

Fingerprint

Bank card

Question 5:

What is a client certificate used for?

To authenticate the client

To authenticate the subordinate CA

To authenticate the server

To authenticate the CA

Question 6:

How might a user protect the data on their mobile device if it is lost or stolen?

Refrain from updating apps

Remote wipes

Reporting the loss to an IT support specialist

Keep a spare device with all your data

Question 7:

Fill in the blank: Kerberos enforces strict _____ requirements.

time

strong password

AES

LDAP

Question 8:

Consider the following scenario: Multiple client switches and routers have been set up at a small military base. The network team decided to implement Terminal Access Controller Access-Control System Plus (TACACS+), along with Kerberos, and an external Lightweight

Directory Access Protocol (LDAP) service. What is the primary reason TACACS+ was chosen for this?

Device administration

Network access

Single Sign-On

NIPRNet

Question 9:

Which of these are examples of an access control system? Select all that apply.

TACACS+

OAuth

RADIUS

OpenID

Question 10:

What does a Terminal Access Controller Access Control System Plus (TACACS+) keep track of? Select all that apply.

Bandwidth and resource usage

Commands that were run

Systems users authenticated to

Track user authentication