

Quiz 7

Due Feb 15 at 11:59pm

Points 15

Questions 10

Available Feb 14 at 12pm - Feb 15 at 11:59pm

Time Limit 30 Minutes

Instructions

Quiz 7 covers MOs: 1,2,3,4,5,6,7,8,11 in Module 4:

- MO 1. List the three basic ways of authentication, and give concrete examples in each (CO 6)
- MO 2. Calculate the probability of a successful dictionary attack (CO 6)
- MO 3. Outline the steps of the S/Key algorithm (CO 6)
- MO 4. Name the common candidates for biometric IDs and list the requirements for biometric identification (CO 6)
- MO 5. Identify ACLs and capabilities (CO 6)
- MO 6. Interpret 10-character notation of Linux ACLs (CO 6)
- MO 7. Compare and contrast Linux and Windows ACLs (CO 6)
- MO11. Define how PACL is used to make access control decisions (CO 6)

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	14 minutes	15 out of 15

❗ Correct answers are hidden.

Score for this quiz: **15** out of 15

Submitted Feb 14 at 2:15pm

This attempt took 14 minutes.

Question 1

2 / 2 pts

Alice wants her homework file (homework.doc) to be readable/writable by herself, read-only for the group members, and forbidden to others. Which

of the following should her file's ACL be if her file is on a Linux file system?

☐ --rW-r--r--

☒ --rW-r-----

☐ --rWX-----

☐ --r--r--r--

☐ --rwxrwxr-x

Question 2

1 / 1 pts

The Linux file system supports deny ACEs, but the Windows file system does not.

☐ True

☒ False

Question 3

1 / 1 pts

What might involve establishing the identity of a person or software program?

☐ Firewall

☐ Risk assessment

☐ Scale

☒ Authentication

☐ Bait

Question 4

2 / 2 pts

The file access control mechanism of the Windows operating system is an example of:

☐ Mandatory access control

☒ Discretionary access control

☐ Role-based access control

☐ Originator controlled access control

Question 5

2 / 2 pts

Which of the following is NOT true about capability list?

☒ Capabilities are never used in the Linux file system

☐ Capability amplification allows temporary increase of privileges

☐ HYDRA was a capability-based system

☐ A capability is like a bus ticket

Question 6

1 / 1 pts

Which of the following is NOT a candidate for biometric IDs?

- ☐ Fingerprints
- ☒ Smart cards
- ☐ DNA
- ☐ Voice recognition

Question 7

1 / 1 pts

The ideal biometrics support "collectability," which means that:

- ☒ The characteristic should have the ability to be effectively determined and quantified
- ☐ Each person should have noticeable differences in the characteristic
- ☐ Applies to almost everyone
- ☐ The characteristic should not change significantly over time

Question 8

2 / 2 pts

(True/False): Fingerprints fall under the category of what an individual has.

- ☐ True

☒ False

Question 9

1 / 1 pts

The access control mechanism that specifies authorized operations on objects for a user is known as:

- ☐ Access Control Lists (ACLs)
- ☒ Capability List
- ☐ Role-Based Access Control (RBAC)
- ☐ Propagated Access Control Lists (PACLs)

Question 10

2 / 2 pts

True or False: A Windows access token contains permissions information.

- ☒ True
- ☐ False

Quiz Score: **15** out of 15