

Session 4: Learner activity 1

Access control methods and models
Learner version

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Question 1

Which of the following is the strongest password?

- A. |ocrian#
- B. Marqu1sD3S0d
- C. This1sV#ryS3cure
- D. Thisisverysecure

Question 2

Which of these is a security component of Windows 7?

- A. UAC
- B. UPS
- C. Gadgets
- D. Control Panel

Question 3

What key combination helps to secure the log-in process?

- A. Windows+R
- B. Ctrl+Shift+Esc
- C. Ctrl+Alt+Del
- D. Alt+F4

Question 4

Which of the following is the most common authentication model?

- A. Username and password
- B. Biometrics
- C. Key cards
- D. Tokens

Question 5

Which of the following access control methods uses rules to govern whether object access will be allowed? (Select the best answer.)

- A. Rule-based access control
- B. Role-based access control
- C. Discretionary access control
- D. Mandatory access control

Question 6

When using the mandatory access control (MAC) model, what component is needed?

- A. Labels
- B. Certificates
- C. Tokens
- D. RBAC

Question 7

Which of the following statements regarding the MAC model is true?

- A. MAC is a dynamic model.
- B. MAC enables an owner to establish access privileges to a resource.

- C. MAC is not restrictive.
- D. MAC users cannot share resources dynamically.

Question 8

In the discretionary access control (DAC) model, how are permissions identified?

- A. Role membership
- B. Access control lists
- C. They are predefined
- D. It is automatic

Question 9

Robert needs to access a resource. In the DAC model, what is used to identify him or other users?

- A. Roles
- B. ACLs
- C. MAC
- D. Rules

Question 10

You learn that a company has a high attrition rate. What should you ask the network administrator to do first? (Select the best answer.)

- A. Review user permissions and access control lists
- B. Review group policies
- C. Review performance logs
- D. Review the application log

Question 11

Your company has 1,000 users. Which of the following password management systems will work best for your company?

- A. Multiple access methods
- B. Password synchronisation
- C. Historical passwords
- D. Self-service password resetting

Question 12

In a DAC model, who is in charge of setting permissions to a resource?

- A. The owner of the resource
- B. The administrator
- C. Any user of the computer
- D. The administrator and the owner

Question 13

Jason needs to add several users to a group. Which of the following will help him get the job done faster?

- A. Propagation
- B. Inheritance
- C. Template
- D. Access control lists

Question 14

How are permissions defined in the MAC model?

- A. Access control lists
- B. User roles
- C. Defined by the user
- D. Predefined access privileges

Question 15

Which of the following would lower the level of password security?

- A. After a set number of failed attempts, the server will lock the user out, forcing her to call the administrator to re-enable her account.
- B. Passwords must be longer than eight characters and contain at least one special character.
- C. All passwords are set to expire after 30 days.
- D. Complex passwords that users cannot change are randomly generated by the administrator.

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