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Question 1

The Direct Authentication pattern is best suited for point-to-point communication, while the Brokered Authentication pattern is best suited for service composition where a service consumer needs to re-authenticate itself with multiple services.

Options:

A- True

B- False

Answer:

A

Question 2

The communication between two services operating within the same organization needs to be protected using message-layer security. These services are only used within the organizational boundary. The question is raised as to whether to use self-signed certificates or certificates signed by a certificate authority. A security specialist states that only certificates signed by an external certificate authority can be used to fulfill this security requirement. Is this correct?

Options:

A- Yes

B- No

Answer:

B

Question 3

Question Type: **MultipleChoice**

You are required to design an authorization mechanism for a REST service. The service provides functionality by providing access to different resources, some of which are local to the service while others are located on remote servers. You are required to restrict access to the service based on which resource is requested and which HTTP method has been specified by the service consumer. By doing so, which combination of action control rules needs to be used?

Options:

A- identity and environment

B- environment and resource

C- resource and action

D- action and identity

Answer:

C

Question 4

Question Type: MultipleChoice

By applying the Data Origin Authentication pattern together with the Brokered Authentication pattern, you guarantee confidential message exchanges by a service consumer that needs to repeatedly authenticate itself with a set of services within the same service composition.

Options:

A- True

B- False

Answer:

B

Question 5

Question Type: MultipleChoice

A set of services within a service inventory were originally each designed with a dedicated identity store. To reduce the need for service consumers to repeatedly authenticate themselves when having to access multiple services, a new _____ has been added along with a_____.

Options:

A- authentication broker, certificate authority

B- authentication broker, single identity store

C- certificate authority, certificate repository

D- certificate authority, single identity store

Answer:

B

Question 6

Question Type: MultipleChoice

You are responsible for designing Service A, which must compose Services B and C. You are able to apply the necessary security mechanisms to ensure that messages exchanged by Service A comply with your security requirements. However, you are not given access to the design specifications for Services B and C. Based on the information that is published about Services B and C, you cannot guarantee that these services will provide the same level of security as Service A . This limitation was placed upon you as a result of the application of which service-orientation principle?

Options:

A- Service Loose Coupling

B- Service Autonomy

C- Service Statelessness

D- Service Abstraction

Answer:

D

Question 7

Question Type: MultipleChoice

Which of the following are valid reasons for a certificate to be revoked:

Options:

A- The certificate was fraudulently obtained

B- The public key has been compromised

C- The private key has been compromised

D- The subject is no longer permitted to use the certificate

Question 8

Question Type: MultipleChoice

Responses issued by Certificate Revocation Lists (CRLs) and Online Certificate Status Protocol (OCSP) services need to be _____ and _____ so that it can be determined whether these responses were sent by a trusted certificate authority or a malicious program pretending to be a certificate authority.

Options:

A- encrypted, verified

B- signed, verified

C- encrypted, decrypted

D- signed, decrypted

Answer:

B