

Exam Report: 9.14.3 Practice Questions

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Individual Responses

▼ Question 1:

Incorrect

Which of the following cloud storage access services acts as a gatekeeper, extending an organization's security policies into the cloud storage infrastructure?

- ☐ A cloud storage gateway
- ☒ A co-located cloud computer service
- ➡ ☐ A cloud access security broker
- ☐ A web service application programming interface

Explanation

A cloud access security broker (CASB) may act as a gatekeeper, extending an organization's security policies into the cloud storage infrastructure. A CASB focuses on the visibility of the company data, regulation compliance, user access, and data security through encryption and loss prevention.

Cloud storage services may be accessed through a co-located cloud computer service, a web service application programming interface (API), or by applications that utilize the API, such as cloud desktop storage - a cloud storage gateway or web-based content management systems.

References

LabSim for Security Pro, Section 9.14.

[All Questions SecPro2017_v6.exm CLOUD_STOR_02]

▼ Question 2:

Incorrect

Google Cloud, Amazon Web Services, and Microsoft Azure are some of the most widely used cloud storage solutions for enterprises. Which of the following factors prompt companies to take advantage of cloud storage? (Select two.)

- ➡ ☐ Growing demand for storage
- ☒ Need for a storage provider to manage access control
- ☐ Need for a platform as a service for developing applications
- ➡ ☒ Need to bring costs down
- ☐ Need for a software as a service for managing enterprise applications

Explanation

Some of the most widely used cloud storage for enterprises are Google Cloud, Amazon Web Services, and Microsoft Azure. Because of the growing demand for storage and desire to bring costs down, many companies have been taking advantage of cloud storage.

References

LabSim for Security Pro, Section 9.14.

[All Questions SecPro2017_v6.exm CLOUD_STOR_01]

▼ Question 3: Incorrect

Cloud storage is a virtual service, so the infrastructure is the responsibility of the storage provider. Access control should be set as a local file system would be, with no need for the provider to have access to the stored data.

You are implementing the following measures to secure your cloud storage:

- Verifying that security controls are the same as in a physical datacenter.
- Using data classification policies.
- Assigning information into categories that determine storage, handling, and access requirements.
- Assigning information classification based on information sensitivity and criticality.

Which of the following is another security measure you can implement?

- ☒ ~~Configuring distributed resources to act as one in a federated architecture.~~
- ➡ ☐ Disposing of data when it is no longer needed by using specialized tools.
- ☐ Creating versioned copies of your cloud data.
- ☐ Configuring redundancy and distribution of data.

Explanation

Disposing of data when it is no longer needed by using specialized tools is another security measure you can implement.

Creating versioned copies of your cloud data, configuring redundancy and distribution of data, and configuring distributed resources to act as one in a federated architecture are all measures that improve the fault tolerance and durability of your data.

References

LabSim for Security Pro, Section 9.14.

[All Questions SecPro2017_v6.exm CLOUD_STOR_05]

▼ Question 4: Incorrect

Which of the following is NOT a feature of the cloud storage model of data storage?

- ➡ ☐ Provides access control to the file system stored in the cloud.
- ☐ Highly durable through the creation of versioned copies.
- ☐ Made up of many distributed resources that act as one federated or a cooperative storage cloud architecture.
- ☒ ~~Highly fault tolerant through redundancy and distribution of data.~~

Explanation

Access control should be set as a local file system would be, with no need for the provider to have access to the stored data.

Cloud storage is:

- Made up of many distributed resources, but still acts as one, either in a federated or a cooperative storage cloud architecture.
- Highly fault tolerant because of redundancy and distribution of data.
- Highly durable through the creation of versioned copies.

References

LabSim for Security Pro, Section 9.14.

[All Questions SecPro2017_v6.exm CLOUD_STOR_03]

Question 5: Correct

Which of the following is **NOT** an advantage of using cloud storage?

- ☐ Your organization can import a virtual machine image from an on-premises location to the cloud image library.
- ☐ Your organization can use cloud storage as a natural disaster backup.
- ☐ Your organization can choose between off-premises and on-premises cloud storage options.
- ☐ Your organization can copy virtual machine images from the cloud to on-premises locations.
- ➡ ☒ Your organization can purchase additional storage capacity when needed.

Explanation

Storage maintenance tasks, such as purchasing additional storage capacity, are the responsibility of the service provider.

Other advantages of cloud storage are:

- Companies only pay for the actual used storage. This does not necessarily mean that cloud storage is less expensive, but that it only incurs operating expenses.
- Cloud storage can cut energy consumption by up to 70%, making an organization more environmentally friendly.
- Organizations can choose between off-premises and on-premises cloud storage options or a mixture of the two options.
- Storage availability and data protection is intrinsic to object storage architecture, so depending on the application, the additional technology, effort and cost to add availability and protection can be eliminated.
- Cloud storage can be used for copying virtual machine images from the cloud to on-premises locations or to import a virtual machine image from an on-premises location to the cloud image library.
- Cloud storage can be used as natural disaster backup as there are normally two or three backup servers located in different places around the globe.

References

LabSim for Security Pro, Section 9.14.

[All Questions SecPro2017_v6.exm CLOUD_STOR_04]