Test your knowledge: Foundations of cloud computing

Votre score: 100% Note d'admission: 80%

Félicitations ! Vous avez réussi cette évaluation.

1. What type of storage in a cloud computing infrastructure keeps data in a simple, easy-to-understand way through a hierarchy of files in folders?

- **File storage**
- Metadata storage
- Object storage
- Block storage

File storage organizes data through a hierarchy of files in folders, making it the oldest and most widely used data storage system.

2. For organizations, what does cloud computing eliminate the need for?

- **Organizations no longer need to find, set up, or manage resources themselves.**
- Organizations no longer need to pay for the services they use.
- Organizations no longer need to use the internet.
- Organizations no longer need to use computing resources.

Cloud computing allows organizations to use computing resources as services hosted over the internet; this eliminates the need for organizations to handle these tasks on their own.

3. An organization wants to make sure its data is safe and secure, even during an emergency. Which common use of cloud computing should they consider?

- Managed services
- Large scale data analysis
- Data storage
- **Disaster recovery**

Disaster recovery means having access to more data centers to ensure that data and information is safe and secure during an emergency.

4. What is one of the main advantages of accessing data in cloud computing?

- Organizations need to be physically present where the hardware and software are installed to access their data.
- Organizations need to be connected to a specific network to access their data.
- Organizations can access and manage data, software, storage, and infrastructure housed on local servers through the organization's intranet.

- **Organizations can access and manage data, software, storage, and cloud infrastructure from any location at any time through the internet.**

The ability to access and manage data, software, storage, and cloud infrastructure from any location at any time through the internet is one of the main advantages of accessibility in cloud computing.

5. A company is developing a new app. It needs a platform where their developers can focus solely on building the app without considering underlying infrastructure. Which cloud service model should the company choose?

- Containers as a service, or CAAS
- Infrastructure as a service, or IAAS
- **Platform as a service, or PAAS**
- Software as a service, or SAAS

PAAS provides the environment and tools needed for application development, enabling developers to focus solely on the app development process.