VCE & PDF
GeekCert.com

E10-001^{Q&As}

Information Storage and Management Exam Version 2

Pass EMC E10-001 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.geekcert.com/E10-001.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by EMC Official Exam Center

⚙ **Instant Download** After Purchase

⚙ **100% Money Back** Guarantee

⚙ **365 Days** Free Update

⚙ **800,000+** Satisfied Customers

SATISFACTION GUARANTEED
100%
SATISFACTION GUARANTEED

QUESTION 1

Which cloud computing characteristic enables consumers to request resources using a service catalog through a web-based user interface?

A. On-demand self-service

B. Broad network access

C. Metered services

D. Catalog management

Correct Answer: A

On-Demand Self-Service A consumer can unilaterally provision computing capabilities, such as server time and network storage, as needed automatically without requiring human interaction with each service provider. A cloud service provider publishes a service catalogue, which contains information about all cloud services available to consumers. The service catalogue includes information about service attributes, prices, and request processes. Consumers view the service catalogue via a web-based user interface and use it to request for a service. Consumers can either leverage the "ready-to- use" services or change a few service parameters to customize the services.

EMC E10-001 Student Resource Guide. Module 13: Cloud Computing

---

QUESTION 2

What is a benefit of virtual storage provisioning over traditional provisioning?

A. Enables more efficient allocation of storage to hosts

B. Can be used for applications that require predictable performance

C. Provides full control for precise data placement

D. Does not enable oversubscription

Correct Answer: A

Virtual Storage Provisioning

Virtual provisioning enables creating and presenting a LUN with more capacity than is physically allocated to it on the storage array. The LUN created using virtual provisioning is called a thin LUN to distinguish it from the traditional LUN.

Thin LUNs do not require physical storage to be completely allocated to them at the time they are created and presented to a host. Physical storage is allocated to the host "on-demand" from a shared pool of physical capacity. A shared pool

is consists of physical disks. A shared pool in virtual provisioning is analogous to a RAID group, which is a collection of drives on which LUNs are created. Similar to a RAID group, a shared pool supports a single RAID protection level.

However, unlike a RAID group, a shared pool might contain large numbers of drives. Shared pools can be homogeneous (containing a single drive type) or heterogeneous (containing mixed drive types, such as flash, FC, SAS, and SATA

drives).

Virtual provisioning enables more efficient allocation of storage to hosts. Virtual provisioning also enables oversubscription, where more capacity is presented to the hosts than is actually available on the storage array. Both shared pool and

thin LUN can be expanded nondisruptively as the storage requirements of the hosts grow. Multiple shared pools can be created within a storage array, and a shared pool may be shared by multiple thin LUNs.

EMC E10-001 Student Resource Guide. Module 4: Intelligent Storage System

QUESTION 3

What describes a repudiation attack?

A. An attempt to compromise accountability goals of the security

B. Stealing a private key to decrypt the data-in-transit

C. Unauthorized access to information to compromise confidentiality

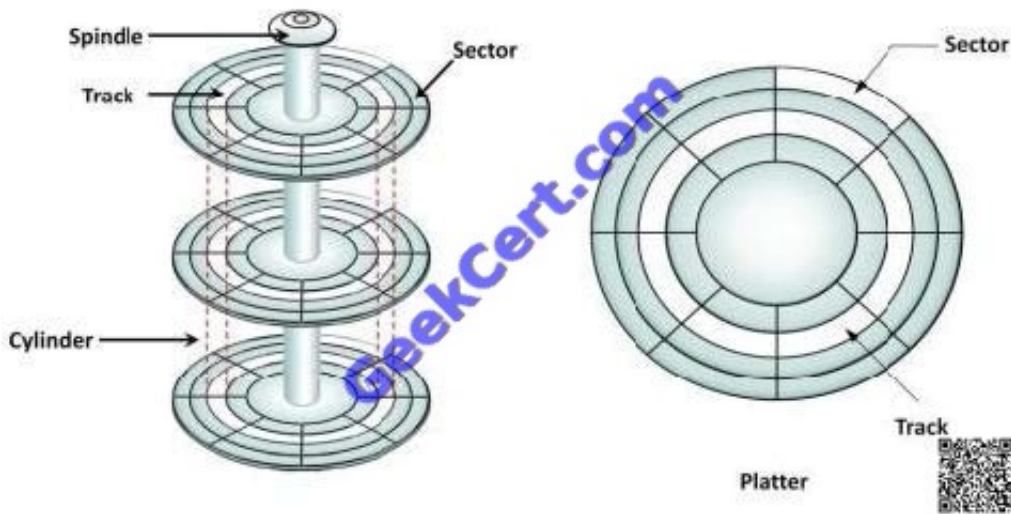D. A series of repetitive attacks to the physical information infrastructure

Correct Answer: A

QUESTION 4

Which process defines the writing of physical address information to a disk?

A. Partitioning

B. Formatting

C. Zoned-bit recording

D. Command queuing

Correct Answer: B

Disk Structure

Data on the disk is recorded on tracks, which are concentric rings on the platter around the spindle. The tracks are numbered, starting from zero, from the outer edge of the platter. The number of tracks per inch (TPI) on the platter (or the track density) measures how tightly the tracks are packed on a platter.

Each track is divided into smaller units called sectors. A sector is the smallest, individually addressable unit of storage. The track and sector structure is written on the platter by the drive manufacturer using a low- level formatting operation. The number of sectors per track varies according to the drive type. The first personal computer disks had 17 sectors per track.

Recent disks have a much larger number of sectors on a single track. There can be thousands of tracks on a platter, depending on the physical dimensions and recording density of the platter.

Typically, a sector holds 512 bytes of user data; although, some disks can be formatted with larger sector sizes. In addition to user data, a sector also stores other information, such as the sector number, head number or platter number, and track number. This information helps the controller to locate the data on the drive.

A cylinder is a set of identical tracks on both surfaces of each drive platter. The location of R/W heads is referred to by the cylinder number, not by the track number. EMC E10-001 Student Resource Guide. Module 2: Data Center Environment

QUESTION 5

Which data center requirement refers to applying mechanisms that ensure data is stored and retrieved as it was received?

A. Integrity

B. Availability

C. Security

D. Performance

Correct Answer: A

Information Security Framework

The basic information security framework is built to achieve four security goals, confidentiality, integrity, and availability (CIA) along with accountability. This framework incorporates all security standards, procedures and controls, required to

mitigate threats in the storage infrastructure environment.

Confidentiality: Provides the required secrecy of information and ensures that only authorized users have access to data. This requires authentication of users who need to access information. Data in transit (data transmitted over cables) and

data at rest (data residing on a primary storage, backup media, or in the archives) can be encrypted to maintain its confidentiality. In addition to restricting unauthorized users from accessing information, confidentiality also requires to

implement traffic flow protection measures as part of the security protocol. These protection measures generally include hiding source and destination addresses, frequency of data being sent, and amount of data sent.

Integrity: Ensures that the information is unaltered . Ensuring integrity requires detection and protection against unauthorized alteration or deletion of information. Ensuring integrity stipulate measures such as error detection and correction for

both data and systems.

Availability: This ensures that authorized users have reliable and timely access to systems, data and applications residing on these systems. Availability requires protection against unauthorized deletion of data and denial of service.

Availability also implies that sufficient resources are available to provide a service.

Accountability: Refers to accounting for all the events and operations that take place in the data center infrastructure. The accountability service maintains a log of events that can be audited or traced later for the purpose of security.

EMC E10-001 Student Resource Guide. Module 14: Securing the Storage Infrastructure

Latest E10-001 Dumps   E10-001 Exam Questions   E10-001 Braindumps

To Read the Whole Q&As, please purchase the Complete Version from Our website.

Try our product !
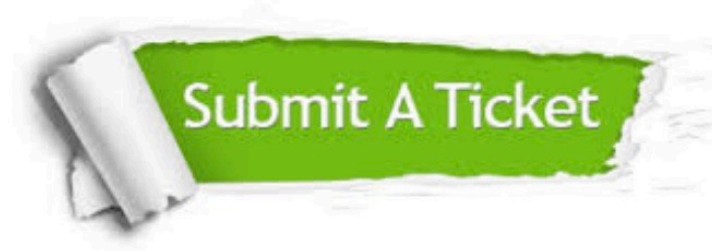
100% Guaranteed Success
100% Money Back Guarantee
365 Days Free Update
Instant Download After Purchase
24x7 Customer Support
Average 99.9% Success Rate
More than 800,000 Satisfied Customers Worldwide
Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

We provide exam PDF and VCE of Cisco, Microsoft, IBM, CompTIA, Oracle and other IT Certifications.
You can view Vendor list of All Certification Exams offered:

https://www.geekcert.com/allproducts

Need Help

Please provide as much detail as possible so we can best assist you.
To update a previously submitted ticket: