

Ism 3013 exam 1 review 4



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It is very difficult to manage data for which of the following reasons?

The decreasing amount of external data needs to be considered. Data are stored in the same format throughout organizations. Data are scattered throughout organizations. Data security is easy to maintain. The amount of data stays about the same overtime.

Data are scattered throughout organizations.

The data in a data warehouse have which of the following characteristics?

They are coded in different formats. They are typically retained for a defined, but limited, period of time. They are updated in real time. They are organized by subject.

They are organized by subject.

Operational data are usually kept in an organization's data warehouse. False

A database management system (DBMS) is a program used to create, process, and administer a database True

A(n) _____ is a program used to create, process, and administer a database.

data mart information system operating system DBMS

DBMS

In cloud computing, resources are said to be "pooled" because organizations _____.

share the same physical hardware through virtualization offer their services to each other free of charge, in a give-and-take arrangement use the public Internet to create the appearance of a private connection

share the same physical hardware through virtualization

The most basic cloud offering is platform as a service (PaaS), which is the cloud hosting of a bare server computer or data storage False

When a person connects to the Internet, he or she is actually connecting to an Internet Service Provider True

The “ cloud” is defined with all the following terms, EXCEPT _____.

Elastic Internet based Pooled Leased Dedicated

Dedicated

Which is a FALSE statement regarding the case study of the use of cloud infrastructure to host AllRoad’s website during Super Bowl Sunday?

Without an increase in servers, response time will be higher during the traffic spike. Developers from AllRoad Parts had to meet with the cloud vendor and design an interface. AllRoad expects user traffic to spike for a couple of hours. As demand falls, it will release the excess servers to save costs. Their cloud vendor can provision servers worldwide, where the demand originates.

Developers from AllRoad Parts had to meet with the cloud vendor and design an interface.

The benefits of using cloud infrastructure over in-house hosting include all of the following, EXCEPT _____.

The amount of computing resources can be flexibly allocated, based on demand. You cannot control changes in the vendor's management, policy, and prices. Cloud resources provide best-of-breed security and disaster recovery. Costs of computing resources are less using the cloud. There is no need to invest in technology that will soon be obsolete.

You cannot control changes in the vendor's management, policy, and prices.

Among the following, which is NOT a factor that has made cloud-based hosting advantageous today?

Internet-based standards enabled vendors to flexibly provision processing capabilities. Virtualization technology enables the near instantaneous creation of a new virtual machine. The cost of data communication is very cheap. Laws have changed to not require companies to have physical control over their data. Processors and data storage are so cheap that they are nearly free.

Laws have changed to not require companies to have physical control over their data.

A computer _____ is a collection of computers that communicate with one another over transmission lines or wirelessly

NetworkServerDatabase

Network

Which of the following is NOT a common alternative for connecting to the ISP?

Digital subscriber line
Power lines
Cable line
Dialup connection
Wireless data connection

Power lines

Which of the following is the distinguishing feature of a LAN as compared to a WAN?

Bandwidth
Number of users
Single location
Communication capacity

Single location

A _____ is a set of rules that programs on two communicating devices follow. Protocol

Which of the following is a component of a LAN device that processes wireless traffic and communicates with the wired switch?

Access point
Hub
Switch
Router

Access Point

Which of the following is NOT a function of the Internet service provider (ISP)?

Provides applications services
Receives communications from the Internet and passes them on to you
Provides a legitimate IP address
Collects money

from their customers and pays access fees Serves as your gateway to the Internet

Provides applications services

Which of the following TCP/IP application-layer protocols is used for email transmission?

TELNET HTTP SMTP SNMP FTP

SMTP

_____ is a markup language that contains little metadata and is preferred for transmitting volumes of data between servers and browsers

HTML WSDL SOAP JSON XML

JSON

The organization responsible for assigning public IP addresses is called _____.

ISO IEEE ISOCCERN ICANN

ICANN

Which of the following is NOT a true statement about how Web Services work?

SOAP messages are used to return responses to service requests. Web Services issues SOAP messages to request services. Both WSDLs and SOAP messages are coded in HTML. Service authors create WSDL documents to

describe the services they provide. XML and JSON are ways of marking up documents for both the service requestor and the service provider

Both WSDLs and SOAP messages are coded in HTML.

Apple's iCloud service is an example of _____.

Content as a Service
Software as a Service
Infrastructure as a Service
Platform as a Service

Software as a service

Which of the following is the most basic cloud offering?

Content as a Service
Network as a Service
Software as a Service
Infrastructure as a Service
Platform as a Service

Infrastructure as a Service

Which of the following is an example of a PaaS?

Amazon EC2
Office 365
Apple iCloud
Oracle on Demand

Oracle on Demand

In cloud computing, resources are said to be "pooled" because _____.

Cloud computing enables users to modify a program's source code.

Organizations share the same physical hardware through virtualization.

Organizations use the public Internet to create the appearance of a private connection. Organizations use open-source standards in the cloud.

Organizations share the same physical hardware through virtualization.

Among the following, which is NOT a way for AllRoad Parts to use the cloud?

Use a CDN to distribute its content worldwide. Obtain data storage services from Amazon. com's S3 product. Use Google Mail and Google Drive. Use Rackspace for hardware and load whatever operating system they want. Use Windows Servers with SQL Server already installed from the Microsoft Azure cloud offerings

Use Rackspace for hardware and load whatever operating system they want.

Which of the following statement is NOT correct for private clouds?

Private clouds provide security within the organizational infrastructure.

Private clouds provide secure access from outside that infrastructure. They are built on top of public cloud infrastructure using VPN tunneling. They create a farm of servers managed with elastic load balancing. They enable the business to maintain physical control over its stored data.

They enable the business to maintain physical control over its stored data.

Compared to in-house hosting, cloud-based hosting _____.

Requires a significant amount of capital Provides better disaster preparedness capabilities Minimizes the risk of investing in technology that will soon become obsolete Provides greater control over the location of data

Minimizes the risk of investing in technology that will soon become obsolete

Which of the following is true about a VPN?

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It appears as a secure connection, though it is not. The actual internal LAN addresses are sent in the VPN messages on the Internet. It encrypts messages to ensure secure transmissions. It does not provide users with remote access.

It encrypts messages to ensure secure transmissions.

Which of the following is true about the Internet?

It links to web pages that are stored on client computer hard drives. It is a wire that is buried in the ground. It is best described as a bubble cloud that connects users around the world. It links routers and servers that have unique ISP addresses

It is a wire that is buried in the ground.

Everything connected directly or indirectly to the Internet has a(n) _____ address.

International Protocol
Internet Processing
Internet Protocol
Internet Service Provider

Internet Protocol

Which of the following is a function of an ISP?

To break information into smaller pieces that travel across the Internet. To assemble web pages that are viewable on different devices. To connect client computers directly to the Internet. To connect client computers indirectly to the Internet

To connect client computers indirectly to the Internet

On the Internet, anywhere two or more parts interconnect, there is a _____.

ISP server client router

router

In order to send information over the Internet, computers break the information into smaller pieces called _____.

ISP units protocols packets IP units

packets