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C2030-284

Foundations of IBM Cloud Computing Architecture V4

- Hello, today I passed my C2030-284 exam with 94% scores,
- This exam prep tool is a really innovative piece of exam tool for this exam.
- I loved the way the this dump provided me the necessary explanations that were easily retained by me during my exam period.
- Conceptual questions are really helpful to strong our concepts.
- The questions were skillfully explained with logical reasoning to refresh an experienced person.

Exam A

QUESTION 1
Which Software as a Service (SaaS) delivery model is a mixed resource environment, combining localand cloud resources to provide SaaS and rely on both environments to deliver true end-to- endfunctionality?

A. Full Cloud
B. Hybrid Cloud
C. Primary Hybrid
D. Extended Cloud

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
What are the benefits for an organization utilizing dynamic infrastructure for running its workloads?

A. Organizations no longer need their own data centers which reduces the cost of their own IT expenditure.
B. Dynamic infrastructure provides the means to achieve elastic scalability which ensures that organizations keep constant and predictable costs for the IT resources utilization.
C. By leveraging pooled IT resources, dynamic infrastructure provides flexible IT capacity which better aligns the allocation of IT resources to business process needs of the organization
D. Dynamic infrastructure is essential for the implementation of application service catalogs which reduces the time to market of such applications and increases the organization's business revenue.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 3
What is a service catalog as it relates to cloud computing services?

A. It is a service request ticketing system.
B. It is an integral part of deploying sen/ices in a cloud.
C. It is a shopping cart format for requesting IT services and hardware.
D. It is a mechanism to accept credit card payments for cloud services

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
Which statement is true for virtualization?

A. It runs on UNIX-based operating systems only.
B. It is an interchangeable term for cloud computing.
C. It separates physical hardware into various pool resources.
D. It can only be applied in the context of hybrid and public clouds

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
Which IBM cloud offering provides flexibility and choice with options to use bare metal, vitalized dedicated, or shared servers?

A. IBM SoftLayer
B. IBM Cloud Orchestrator
C. IBM Service Management
D. IBM Cloud Managed Services

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
As a cloud service provider for infrastructure services, what is implemented for the process called Server Deprovisioning?

A. A process for reducing the CPU and memory resources of a virtual server.
B. Manual operations for removing a virtual server from the cloud environment.
C. Automation for securedata erasure on the disks attached to a virtual server.
D. Automation for destroying a virtual machine and restoring its resources to the respective pools.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7
The term Recovery Point Objective refers to which statement?

A. The point in time to which data must be recovered after a disaster.
B. The objective of business continuity to restore critical operations after a disaster
C. The duration of time within which a business process must be restored after a disaster.
D. It descnbes the applications and locations for which data has to be restored after a disaster

Correct Answer: C
Section: (none)
Explanation

QUESTION 8
According to the Cloud Services Adoption Pattern, what is considered to be the set of services that make up the entry level for a Platform as a Service implementation?

A. Management of Service Level Agreements, quality of service management, and security.
B. Management of programming services and integration services with other clouds and applications.
C. Management of development operations, continuous delivery, and application performance monitoring.
D. Management of services through service catalog, automated service deployment and metering, resource

Correct Answer: D
Section: (none)
Explanation

QUESTION 9
A company is implementing a cloud storage solution that offers backup services for employee critical data. The company is funding each employee up to $5 per month, and any excess usage will be charged per employee. What is the best option for this scenario based on cloud computing billing (metering/measuring) models?

A. spot pricing
B. elastic pricing
C. cloud chargeback pricing
D. subscription-based pricing

Correct Answer: A
Section: (none)
Explanation

QUESTION 10
What greatly affects the speed of cloning VMware templates?

A. speed of disk
B. type of network card
C. format of the VM image
D. architecture of the video card

Correct Answer: C
Section: (none)
Explanation

QUESTION 11
Which type of solution does IBM Cloudant provide?

A. Software as a Service
B. Database as a Service
C. Infrastructure as a Service

D. Business Process as a Service

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
Which cloud attribute describes the ability to quickly adapt to high volatility in the amount of requests?

A. Elasticity
B. High Availability
C. Service Delivery
D. Service Level Agreement Compliance

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
Which workloads are best suited to run on IBM Bluemix?

A. any application
B. transaction-oriented apps
C. legacy data center workload
D. cloud-native, horizontally scalable apps

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
Which IBM solution provides the ability to deploy Platform as a Service patterns?

A. IBM Cloud Manager
B. IBM System Director
C. IBM PureApplication Systems
D. IBM SmartCloud Platform Manager

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
What is normally required for a cloud service provider solution but may not be required for a private cloud solution?

A. Multi-tenancy support
B. Cloud bursting capability

C. Platform as a Service capability
D. Application pattern deployment support

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
What are two business advantages of cloud computing?

A. Fixed pricing:lowering fixed/variable costs and offering known pricing schemes.
B. Planning: driving better data center planning for building more private data centers.
C. Virtualization:abstracting physical resources away from their underlying hardware resources in order to improve IT control.
D. Pervasiveness:improving customer experience by enabling services to be accessed fromanywhere, anytime, and on any device.
E. Virtualization:providing more efficient utilization of IT resources and reducing hardware cost through resource consolidations and economies-of-scale.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17
What are the nonfunctional requirements (NFRs) of a network infrastructure in a cloud computing environment?

A. A matrix such as bandwidth, packet rate, or concurrent sessions.
B. The use of diverse routes and redundant power supplies and modules.
C. Activities associated with change management policies and procedures.
D. The quality requirements or constraints of the system that must be satisfied.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
Which cloud service provides companies with computing resources including servers, networking, storage, and data center space on a pay-per-use basis?

A. Platform as a Service
B. Software as a Service
C. Database as a Service

D. Infrastructure as a Service

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
What is the role of the cloud service creator?

A. It can be a consumer of multiple cloud services for their own use.
B. It consumes other cloud services by leveraging and enhancing functionality exposed by the cloud service provider.
C. It is the individual, organization, or system which consumes service instances deliveredby a particular cloud service.
D. It is responsible for the design, testing, implementation, and maintenance of management artifacts specific to a cloud service.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
What must a hardware platform typically support for a cloud infrastructure?

A. Virtualization
B. VMware ESX
C. Disk Mirroring
D. High Availability

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
What are two benefits and features of cloud storage?

A. Dynamic, flexible chargeback model.
B. Faster access to data stored on the cloud.
C. Secure access to data stored on the cloud.
D. Reduction in total cost of ownership and better return on investment.
E. Facilitates applying policies across many independent filers in an enterprise.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
Which statement describes cloud bursting in the design of the architecture?

A. It can happen only in an off premise solution.
B. The scenario when a cloud infrastructure breaks down due to heavy request load.
C. Allocation of additional capacity during peak loads in an on premise hybrid solution.
D. Provisioning of non-critical environments like development and test in an off premise hybrid solution.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
What are API marketplaces?

A. They are application stores for APIs that offer a variety of capabilities including multi-tenancy.
B. They are the location where third-party cloud service providers cross connect their networks.
C. They are where developers create APIs for consumption by lines of business looking to use cloud service providers.
D. They are where developers go to offer their services in creating functions for cloud computing public, private, and hybrid environments.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
A cloud architect must consider resiliency options when migrating enterprise workloads to cloud. What are some of the backup and recovery options that a cloud infrastructure provider should consider as part of their offering?

A. Backup and recovery for missing data in the database.
B. Backup and recovery for Error 404, Application file not found.
C. Backup and recovery for the customer's application password.
D. Backup and recovery of snapshots for database and application.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
Which statement best describes cloud bursting in the context of hybrid clouds?

A. Removing cloud resources from a hybrid cloud.
B. Moving resources from a public to a private cloud.
C. Moving cloud resources from a private to a public cloud.
D. Extending cloud resource use across hybrid clouds on demand

Correct Answer: B
Section: (none)
Explanation

QUESTION 26
What are three components provided by an Infrastructure as a Service provider?

A. storage
B. network
C. compute
D. database
E. applications
F. object storage

Correct Answer: BDF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
Which two options describe security measures for people within a cloud solution?

A. Data Policy Management
B. Data and Information Security
C. Threat and Intrusion Protection
D. Physical and Personal Security
E. Identity and Access Management

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
Which IBM offering answersthe needs and challengesof business process workflows delivered asSoftware as a Service solutions?

A. IBMBIuemix
B. IBM Blueworks Live
C. IBM Cloud Managed Services
D. IBM WebSphere Cast Iron Live

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29
Which statement is true about public cloud architectures?

A. They typically leverage Internet-accessible on demand services.
B. They utilize system administrators to deliver requested services.
C. Public cloud computing architectures are ideal for heavily regulated workloads.
D. The main function of a public cloud computing architecture is privately owned data centers

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
Which IBM Cloud ComputingReference Architecture adoption pattern is most suitable for a companythat has not implementedany cloud technologyand wants to slowly start migratingtheir existing ITenvironment into a private cloud?

A. Platform as a Service
B. Software as a Service
C. Cloud Service Provider
D. Cloud Enabled Data Center

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
IBM's approach to the cloud incorporates which IT Service Management methodology?

A. ITIL
B. CMMI
C. Six Sigma
D. Open Unified Process

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
What is the main reason to implement High Availability concepts in a cloud environment?

A. To enable easy log and error analysis.
B. To minimize the downtime of the provided service(s).
C. To provide holistic management to the cloud operator.
D. To fail over resources from a private to public cloud space.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
What is an example of a Software as a Service offering?

A. Softlayer
B. Rackspace

C. IBM BIuemix
D. Salesforce.com

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
Which statement is true about Bluetooth and WiFi in a cloud computing environment?

A. They always use two-factor authentication.
B. Their utilization is not compliant with main safe requisites.
C. They require automatic locking if the device is idle for a certain period of time
D. Devices can be easily exploited to infect a mobile device with malware or compromise transmitted data.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
How does elastic scalability benefit users of cloud computing applications?

A. It is a tool for improving capacity planning and optimizing upfront investments
B. The cost of resources is incurred only when they are used and for as long as (or how much) they are used.
C. It reduces the cost of applications in the cloud because it relies only on a virtualized infrastructure which is cheaper than a physical infrastructure.
D. It allows for the incremental development of new application features in the cloud, which makes the applications more affordable to manage and operate.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References:

QUESTION 36
Which statement is true regarding a private cloud?

A. It is owned and operated for use by a single company that controls the virtualized resources and automated services.
B. It is provided by a distributed set of machines that are running at different locations while still connected to a single network.
C. Private cloud service providers own and operate the infrastructure at their data center and usually offer access only via the Internet.
D. It is composed of two or more clouds that remain distinct entities but are bound together and offer the benefits of multiple deployment models.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

References:

QUESTION 37
What is required to implementthe Efficiency principle of the IBM Cloud Computing ReferenceArchitecture V4?

A. A very high degree of standardization to enable high degrees of automation.
B. Hosting of the cloud management platform and the cloud services in green data centers.
C. A shortest path strategy for optimal cloud service placement in multi-site cloud environments
D. Optimization of the cloud service response times and computing resources allocated by the services.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 38
What is a typical grid computing usage scenario?

A. Users get root access to remote instances and install and deploy their own applications configuring the environment for executing MPI applications.
B. Users run applications on a computing infrastructure comprised by a collection of homogeneous nodes that share I/O facilities, operating system processes, and appear as single system.
C. Developers build applications that require a large number of computing resources beyond the size of the local department computing facilities and submit the application for execution to internet scale computing infrastructures.
D. Developers have a limited amount of investments for running their web applications and decide to leverage Computing as a Service solutions to increase their investments in computer resources as their applications become more popular.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39
What are two examples of Advanced Cloud Service Provider services as described in the Cloud Service Provider Adoption Pattern of the IBM Cloud Computing Reference Architecture V4?

A. platform services
B. customizable store front
C. virtual machine snapshots
D. patch management services
E. brokering of third-party cloud services

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
Which set of IBM components andsubcomponents (as part of use casesin the IBM Cloud ComputingReference Architecture Cloud EnabledData Center (CeDC) adoption pattern)can be integrated in orderto provision network and virtual systems to the CeDC?

A. IBM SoftLayer IMS
B. IBM Cloud Orchestrator, IBM Tivoli Netcool Configuration Manager
C. IBM SmartCloud Provisioning, IBM SmartCloud Control Desk, IBM Endpoint Manager
D. IBM Endpoint Manager, IBM Tivoli Storage Manager, and IBM SmartCloud Control Desk

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
Which type of cloud solution do these security focuses relate to specifically?

·Manage data center identities
·Secure virtual machines
·Patch default images
·Monitor logs on all resources
·Network isolation

A. Platform as a Service
B. Software as a Service
C. Compute as a Service
D. Infrastructure as a Service

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
answer is true.

QUESTION 42
In an ITIL managed cloudenvironment, which twoservice transition processes are involved when thememory of a virtual machine is increased?

A. Event Management
B. Change Management
C. Release Management
D. Capacity Management
E. Configuration Management

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43
What can be done to make maximum use of the cloud computing interoperability principle?

A. Use standard protocols.
B. Use hardware and software of a single vendor.
C. Use the integration between OpenStack and CloudStack.
D. Employ multiple system integrators to build a private cloud.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44
A company wants to use cloud services in the future. What needs to be done first?

A. Use cloud migration services to move their production workload into a managed cloud.
B. Ask the IT department to work out a plan to reduce capital expenses using cloud services.
C. Analyze existing business processes and determine which of them can be realized using cloud services.
D. Ask the IT department to order multiple virtual machines from different cloud service providers and test them for performance.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 45
The integration process in the IBMCloud Computing Reference Architecture relies heavily on whichoption?

A. CloudStack
B. Virtualization
C. Cloud Foundry
D. silos of computing

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
What are two types of services offered by a Platform as a Service implementation?

A. virtual desktops
B. virtual appliances
C. application management
D. programming environments
E. business process representation

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 47
Which statement is true regarding a private cloud?

A. It is dedicated to a single customer.
B. It is composed of a combination of cloud providers.

C. It employs cloud bursting for scaling across clouds.
D. Communication is affected over a non-trusted network.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference: