Vendor: IBM

Exam Code: C2030-283

Exam Name: Foundations of IBM Cloud Computing Architecture V3

Version: Demo

QUESTION NO: 1

Which costing model is leveraged to provide cost efficiency in the public cloud computing model?

A. Capital Expenditure
B. Investment Expenditure
C. Operational Expenditure
D. Reserve Capital Expenditure

Answer: C
Explanation:

QUESTION NO: 2

What are two essential characteristics of a cloud computing model? (Choose two.)

A. Rapid elasticity
B. Measured service
C. Integrated security
D. Single tenant model only
E. Dedicated vendor relationships

Answer: A,B
Explanation:

QUESTION NO: 3

What is a benefit of standardization for cloud consumers or users?

A. services language is better understood
B. services are obtained faster and cheaper
C. standard offerings do not require approval
D. it helps lowerthe costs for cloud service providers

Answer: B
Explanation:

QUESTION NO: 4

Which cloud computing feature is different when compared to traditional data center infrastructures?

A. Ordering, installing, and configuring physical resources
B. Manually decommissioning physical resources when demand on the workload is reduced
C. Dynamic scaling of computing infrastructure available to a workload based upon measured demand
D. Alerting system administrators to taken an action as the measured demand on the workload changes

Answer: C
Explanation:

QUESTION NO: 5

On-premise and off-premise clouds are formed by which type of connection?

A. Local Area Network (LAN)
B. Wide Area Network (WAN)
C. Virtual Private Network (VPN)
D. Virtual Local Area Network (VLAN)

Answer: B
Explanation:

QUESTION NO: 6

How does virtualization create a more agile and responsive cloud computing infrastructure?

A. Automated workflows embedded in cloud computing infrastructures respond more quickly to requests.
B. A self-service portal and service catalog enables cloud consumers to provision resources without human interaction.
C. Applications running in a cloud computing infrastructure can be accessed on demand across the Internet by Web browsers.
D. The supply of virtualized server, storage, and network resources can be dynamically provisioned, moved, or deprovisioned as demand changes.

Answer: D
Explanation:

QUESTION NO: 7

Which capability is related to the discovery, selection, and subscription of external third-party services?
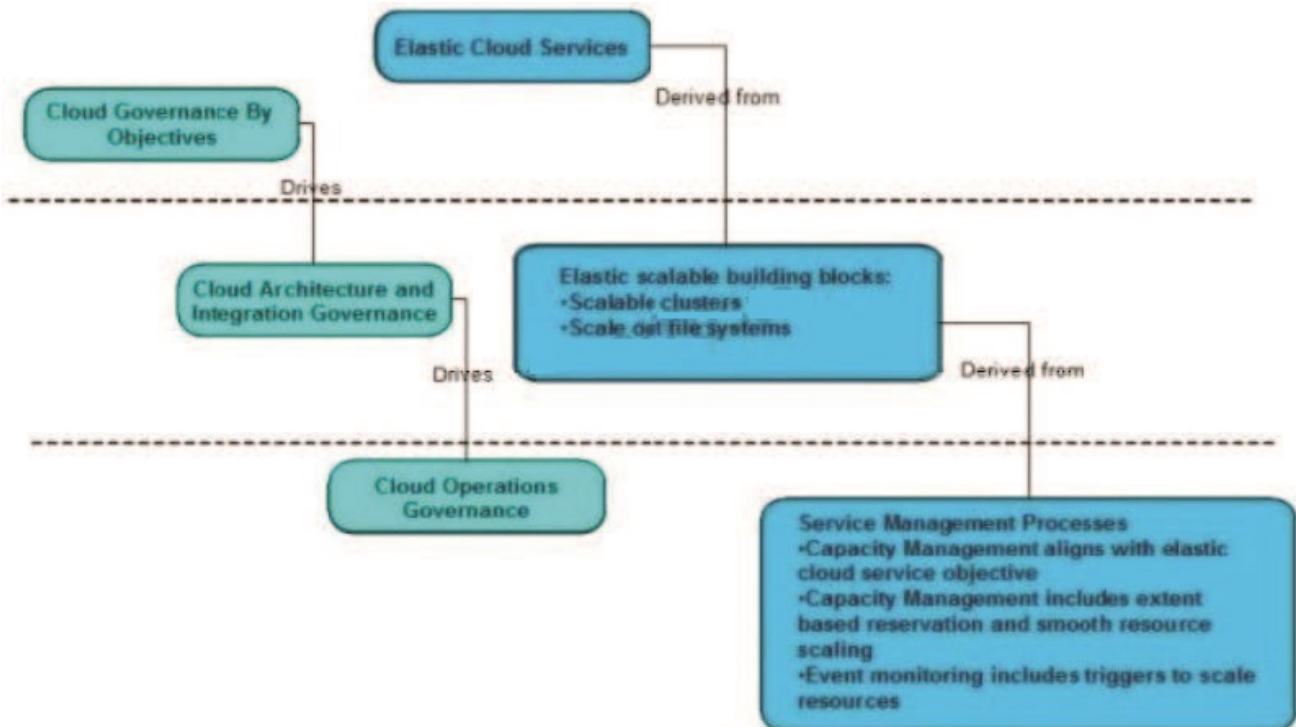
A. Service catalog capability
B. Partner management interfaces
C. Storefront cloud services interface
D. IT asset discovery and dependency management

Answer: C
Explanation:

QUESTION NO: 8

Click the Exhibit button.

If the Cloud Governance Model included Highly Available Cloud Service in the Cloud Governance by Objective layer (top), which three options would be included in the Cloud Operations Governance layer (bottom)? (Choose three.)

A. The cloud service must include a disaster recovery plan.
B. The cloud service must include automation to restart a failed virtual machine.

C. The cloud service must have enough spare nodes to meet expected demand.
D. The cloud service network infrastructure must not have any single points of failure.
E. The top 10 vital cloud consumer business applications running in the cloud service must be available 99.99% 24x7.
F. The cloud service must include a change management process that thoroughly tests changes before including them in the production environment.

Answer: A,B,F
Explanation:

QUESTION NO: 9

Which capability must be in place in order for a failed VM to automatically be replaced and users avoid disruptions in service?

A. VM optimization
B. Solid state drives
C. Dynamic dashboard
D. Availability management

Answer: D
Explanation:

QUESTION NO: 10

A hybrid cloud consists of which cloud types?

A. public and private
B. public and shared
C. public and storage
D. public and non-cloud

Answer: A
Explanation:

QUESTION NO: 11

What is a routine compilation of the procedures and operations which the administrator or operator of the system carries out?

A. runbook
B. Workflow
C. Provisioning
D. Service catalog

Answer: A
Explanation:

QUESTION NO: 12

Which statement is true about non-functional requirements?

A. They are dictated by vendor hardware and software.
B. They include extensibility and security requirements.
C. They are predominately concerned with choosing the right hardware.
D. They do not include business requirements only technical requirements.

Answer: B
Explanation:

QUESTION NO: 13

Where is the private cloud deployed?

A. Internally behind the enterprise's security firewall, on-premise only
B. Externally outside of the enterprise's security firewall, on-premise only
C. Externally outside of the enterprise's security firewall, off-premise only
D. Internally behind the enterprise's security firewall, on-premise or off-premise

Answer: D
Explanation:

QUESTION NO: 14

What has reduced administrative tasks in computer provisioning by 90% for some processes for adopters of cloud computing?
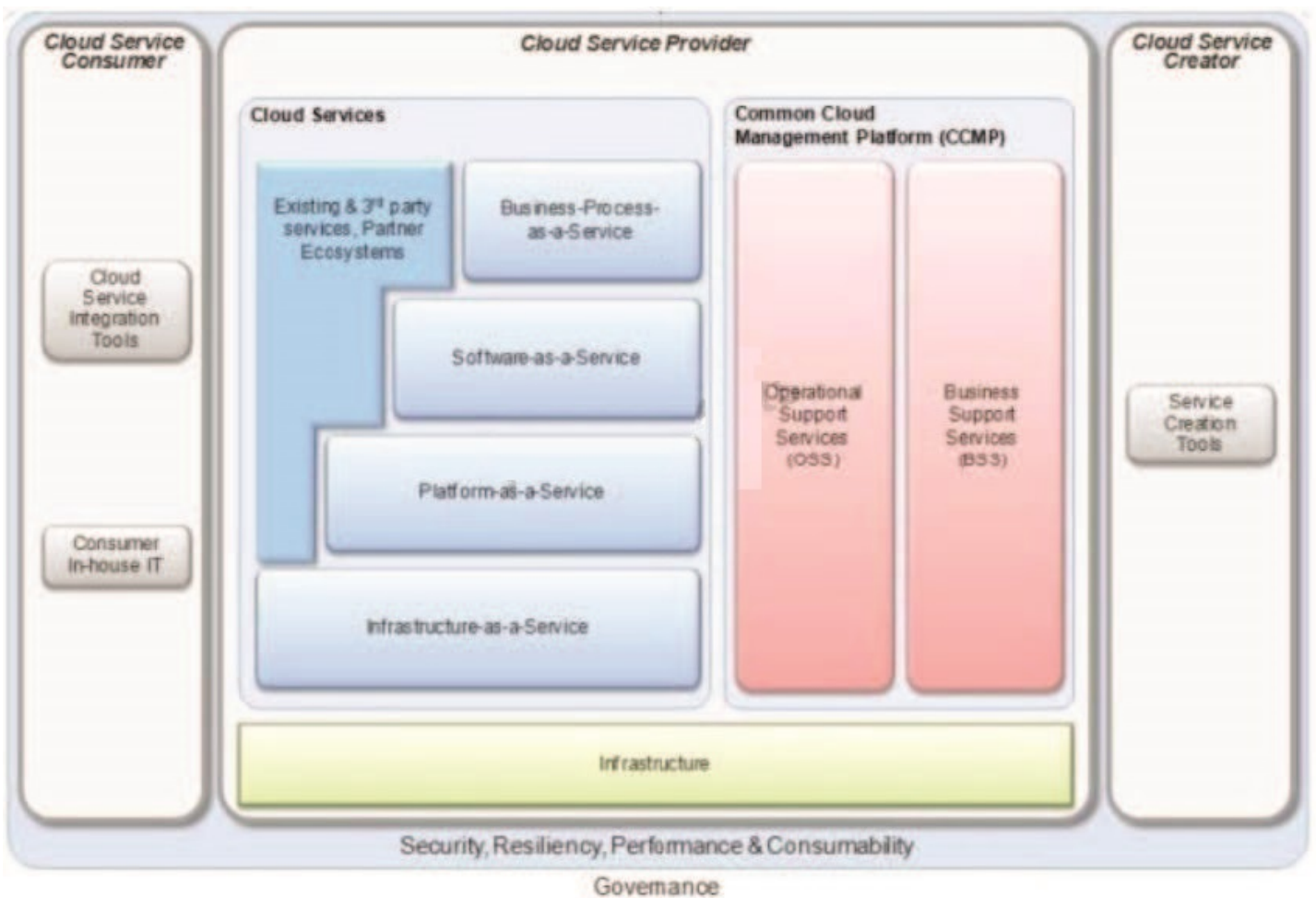
A. High computing speed

B. Greater availability of grid computers

C. High capability of automation software

D. Greater availability of software and agile hardware

Answer: C

Explanation:

QUESTION NO: 15

Click the Exhibit Button.

The Cloud Service Creator is a core role in the Cloud Computing Architecture who develops the technical and business aspects of a cloud service. What are two tasks in Cloud Service Creator's day to day job? (Choose two.)

A. Request and use cloud resources.

B. Provide initial service definitions for what is offered for sale.

C. Manage the capacity and performance of the cloud computing technical environment to ensure service levels can be met.

D. Design, implement, and run the cloud computing technical environment including the Cloud

Computing Management Platform.

E. Review monitoring reports from a running cloud service in order to make adjustments to the relevant components or higher-level cloud services as required.

F. Design, develop, and maintain the integration between cloud and non-cloud environments

Answer: B,E

Explanation:

QUESTION NO: 16

Which statement describes automation in the context of service management in the cloud?

A. Automation does not include complex business process orchestration.

B. Automation includes only those components physically residing in the cloud management platform.

C. Automation includes data center processes from element run-books to broad provisioning and compliance scenarios.

D. Automation in the cloud simply reuses existing automation processes without requiring any analysis or re-engineering.

Answer: C

Explanation:

QUESTION NO: 17

Which statement describes economies of scale as it relates to IBM's Cloud Computing Reference Architecture V3 design principle?

A. Leverage a homogeneous hypervisor in order to reduce operational and capital expenses.

B. Ensure workloads are executed across no less than ten computer nodes for improved resiliency.

C. Ensure cloud infrastructure is sized at least four times greater than the initial expected workload.

D. Reuse management components by sharing a common management platform to deliver cloud services.

Answer: D

Explanation:

QUESTION NO: 18

The Chief Marketing Officer of a global retailing company wants to use customer input to gain

further insight into the revenue impact of marketing and sales campaigns. The Chief Information Officer is requesting a transformation project to enrich the company¡¯s system of record customer relationship management application by integrating it with a new system of engagement application. What should be recommended?

A. Create a spreadsheet report of each salesclerk's monthly commission
B. Start a campaign on social media to solicit feedback from the company's followers
C. Deploy tablet computers to each store manager so that sales can be tracked in real time
D. Use near real time analytics on data generated from the company's website and social media networks about the company and its products

Answer: D
Explanation:

QUESTION NO: 19

Which component of a cloud computing solution can assist in automating IT processes?

A. Service catalog
B. Workflow engine
C. Self-service portal
D. Virtualization platform manager

Answer: B
Explanation:

QUESTION NO: 20

Which component is needed to integrate a private cloud with a public cloud like IBM SmartCloud Enterprise or Amazon EC2?

A. IBM SmartCloud Entry
B. IBM WebSphere Cast Iron
C. IBM WebSphere Message Broker
D. IBM WebSphere Integration Developer

Answer: B
Explanation:

QUESTION NO: 21

What is the benefit of using a service catalog in a cloud implementation?

A. To reduce the cost of providing IT services
B. To promote the use of internal IT resources
C. To publicize IT services available to everyone
D. To enforce a standard process for ordering and delivering IT services

Answer: D
Explanation:

QUESTION NO: 22

Given the context of the IBM Cloud Computing Reference Architecture V3, what architectural consideration is true regarding workload migration into a private cloud?

A. It is critical to prioritize and then migrate every existing workload to the new cloud infrastructure.
B. Workloads with fewer dependencies are good candidates to migrate to a cloud-based infrastructure.
C. Highly transactional workloads are good candidates to migrate to a private cloud to leverage faster disks.
D. Workloads with fewer manual processes involved in delivery are better candidates for migration to a cloud-based infrastructure.

Answer: B
Explanation:

QUESTION NO: 23

Which option best demonstrates a use case for block storage?

A. Backup
B. Video streaming
C. Transactional applications
D. Archive and disaster recovery

Answer: C
Explanation:

QUESTION NO: 24

Given the context of the IBM Cloud Computing Reference Architecture V3, which IBM solution allows rapid integration to existing Platform as a Service workloads?

A. IBM WebSphere Cast Iron
B. IBM Tivoli Directory Integrator
C. IBM Tivoli Workload Scheduler
D. IBM WebSphere Message Broker

Answer: A
Explanation:

QUESTION NO: 25

Which cloud adoption pattern provides a security solution for separating data by customer in a multi-customer environment?

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

Answer: C
Explanation:

QUESTION NO: 26

When comparing cloud data centers to traditional data centers, which statement is most true?

A. There are no differences between cloud data centers and traditional data centers.
B. Disaster recovery plans are mandatory for cloud data centers but optional for traditional data centers.
C. Traditional data centers do not utilize charge back methods for their usage, while cloud data centers do use charge back.
D. Traditional data centers typically host applications on dedicated servers, while applications in a cloud data center typically run on shared resources in a virtualized environment.

Answer: D

Explanation:

QUESTION NO: 27

In which delivery model does the cloud provider generally have full control over all aspects of the physical resources including administrative control over the virtualization platforms?

A. Platform as a Service
B. Software as a Service
C. Infrastructure as a Service
D. Business Process as a Service

Answer: C

Explanation:

QUESTION NO: 28

Which statement is true about managing clustered virtual machines running in a cloud computing environment?

A. New strategy is required for managing virtual machines running in a cloud.
B. The strategy for managing virtual machines is no different that managing physical resources.
C. The availability of a virtual machine is dependent upon the hypervisor on which the VM is running.
D. The change in the boundaries of a cluster of virtual machines has no impact on the management tooling.

Answer: B

Explanation:

QUESTION NO: 29

The Cloud Service Provider Adoption Pattern provides two solutions which may be delivered together or independently. What are the two solutions? (Choose two.)

A. Big data solution
B. On demand solution

C. Storefront/aggregation solution
D. Core enterprise network solution
E. Core infrastructure management solution

Answer: C,E
Explanation:

QUESTION NO: 30

In which delivery model does the cloud consumer have little or no control over the implementation of services?

A. Platform as a Service
B. Software as a Service
C. Infrastructure as a Service
D. Business Process as a Service

Answer: B
Explanation:

QUESTION NO: 31

The capacity management process belongs to which ITIL handbook?

A. Service Design
B. Service Operation
C. Service Transition
D. Continual Service Improvement

Answer: A
Explanation:

QUESTION NO: 32

What is the fundamental characteristic for hardware used in a cloud computing management infrastructure?

A. It must support VMware.

B. It must support x-86 architecture.

C. It must have at least 400 GB of internal storage.

D. The processor must support hardware virtualization.

Answer: D

Explanation:

QUESTION NO: 33

If the middleware is included with an OS image in a cloud computing environment, what must be changed every time the OS or middleware version has to be changed?
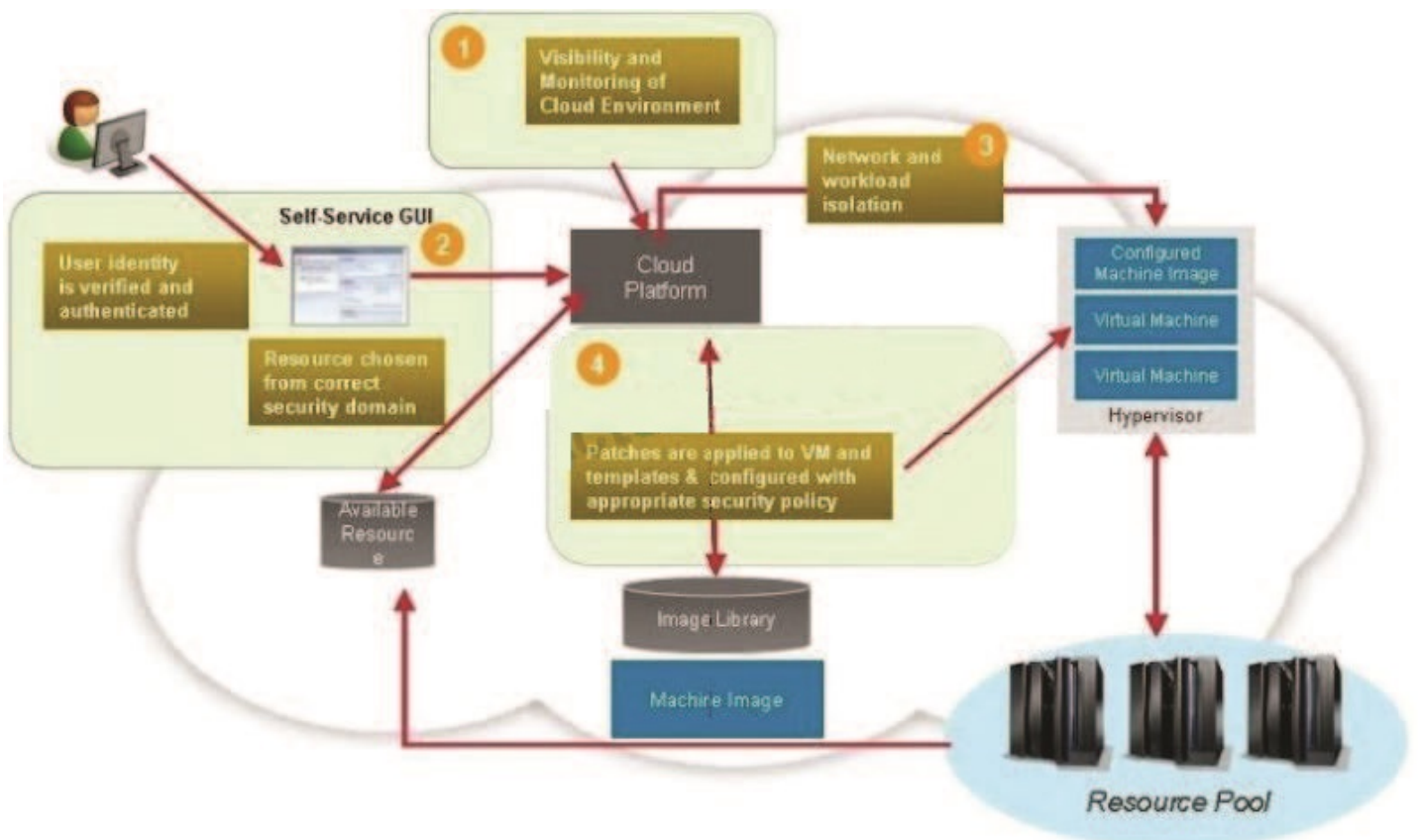
A. OS version

B. Service catalog

C. Security catalog

D. Middleware version number

Answer: B

Explanation:

QUESTION NO: 34

Click the Exhibit button.

Which capability is needed to address requirement 4 shown in the exhibit?

A. Endpoint Management
B. Security Policy Management
C. Threat and Vulnerability Management
D. Security Information and Event Management

Answer: A
Explanation:

QUESTION NO: 35

Which security capabilities are part of the Cloud Governance/Management macro-pattern of the Cloud Enabled Data Center adoption pattern?

A. Log management
B. Identity management
C. Security and intrusion prevention
D. Patch management and security compliance

Answer: D
Explanation:

QUESTION NO: 36

The pay-as-you-go billing model is most likely to be used with which cloud service model?

A. Platform as a Service
B. Software as a Service
C. Infrastructure as a Service
D. Business Process as a Service

Answer: B
Explanation:

QUESTION NO: 37

How can the user experience be improved in a cloud computing environment?

A. Enable networking across all provisioned services
B. Enable customer support help desk access to the end user
C. Enable services to be measured based upon resource usage
D. Enable services to be accessible from anywhere and anytime

Answer: D
Explanation:

QUESTION NO: 38

In which scenario is Platform as a Service most suitable?

A. Multiple developers will be working on a development project.
B. The application needs to be highly portable in terms of where it is hosted.
C. An integrated development and runtime platform is required for specific workloads.
D. Application performance requires customization of the underlying hardware and software.

Answer: C
Explanation:

QUESTION NO: 39

Which statement is true about IBM¡¯s Cloud Computing Reference Architecture V3?

A. It provides guidance based on common cloud deployment patterns.
B. It provides use cases only for hybrid and public deployment models.
C. It does not provide any use cases because each deployment is unique.
D. It emphasizes that there are no common cloud deployment patterns and each customer is unique.

Answer: A
Explanation:

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