E20-920$^{Q\&As}$

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QUESTION 1

An organization wishes to more efficiently produce services by unifying processes and methods from various departments to provide more cross functional integration. To achieve these goals, all elements of the infrastructure will be software driven and manual processes will be automated as much as possible.

What practice is this organization trying to adopt?

A. DevOps

B. Service Oriented Architecture

C. Governance

D. Agile

Correct Answer: B

QUESTION 2

An organization wants to provide IaaS capabilities in a hybrid cloud. They have the following requirements:

-Each line of business must have access to its own services

-Templates will be shared

-Service templates should be as generic as possible

-Data encryption should be provided for only services that require it

-

Each instance should use Microsoft Active Directory for authentication

-

Each instance should have the latest OS patches applied

How can these requirements be addressed in a cloud design?

A. Add a single shared template to the service catalog Provide orchestration workflows to create a tenant and then instantiate and customize instances Provide orchestration workflows to enable data encryption and authentication Enable a configuration manager policy for OS updates

B. Configure multiple tenants in the service catalog Add a single template to the service catalog Provide orchestration workflows enabling instance creation, customization and tenant assignment Provide orchestration workflows enabling data encryption and authentication Enable a configuration manager for OS updates

C. Add one template to the service catalog with encryption enabled Provide orchestration workflows to instantiate and customize instances Provide orchestration workflows to enable authentication Enable a configuration manager policy for OS updates and tenant configuration

D. Configure multiple tenants in the service catalog Add a single shared template to the service catalog Provide

orchestration workflows enabling data encryption and authentication in the template Provide orchestration workflows enabling instance creation, customization and tenant assignment Enable a configuration manager policy for OS updates

Correct Answer: B

QUESTION 3

An organization is currently virtualized, and the CIO is planning for the transition to ITaaS. They are striving to make significant changes to internal IT processes and policies to streamline operations, and improve service levels by implementing an on-demand self-surviving capability for their business users.

Which tool allows the users to provision resources dynamically to absorb load changes and also provides the speed of execution required for service deployment?

A. Orchestration

B. Chargeback

C. Monitoring

D. Service reporting

Correct Answer: A

QUESTION 4

In the evolution of converged infrastructure, what are Turn-Key Clouds?

A. Engineered systems designed to deliver discreet components in a predictable manner with a single personality

B. Single-personality infrastructure for customers that lack the expertise in house to deploy and manage Converged Systems

C. Factory fabricated systems that offer a complete cloud with multiple personas on top of common hardware

D. Multi-persona factory fabricated systems with integrated cloud deployment models that are able to scale storage and compute independently

Correct Answer: C

QUESTION 5

An organization is categorizing their existing services against service characteristics to determine how ready each one might be for the catalog. Part of this effort involves looking at the following three attributes for each service characteristic: considerations, benefits, and tradeoffs.

What attributes correspond to the following characteristics: Loosely Coupled, Idempotent, and Service Contract?

A. Consideration: late or dynamic binding of services Benefit: development and implementation cost reduction Tradeoff: complexity grows as number of services increases

B. Consideration: late or dynamic binding of services Benefit: improves reliability and scale Tradeoff: high degree of cooperation and agreement of design standards and conventions

C. Consideration: standardized service contracts and metadata definitions Benefit: improves reliability and scale Tradeoff: complexity grows as number of services increases

D. Consideration: standardized service contracts and metadata definitions Benefit: development and implementation cost reduction Tradeoff: high degree of cooperation and agreement of design standards and conventions

Correct Answer: B

QUESTION 6

A bricks-and-mortar electronics retailer wants to increase sales by selling products through an online portal in addition stores. To achieve this, they have assembled a team of software developers to build the online portal and the selling capability.

Which cloud service model should they consider to quickly develop this solution?
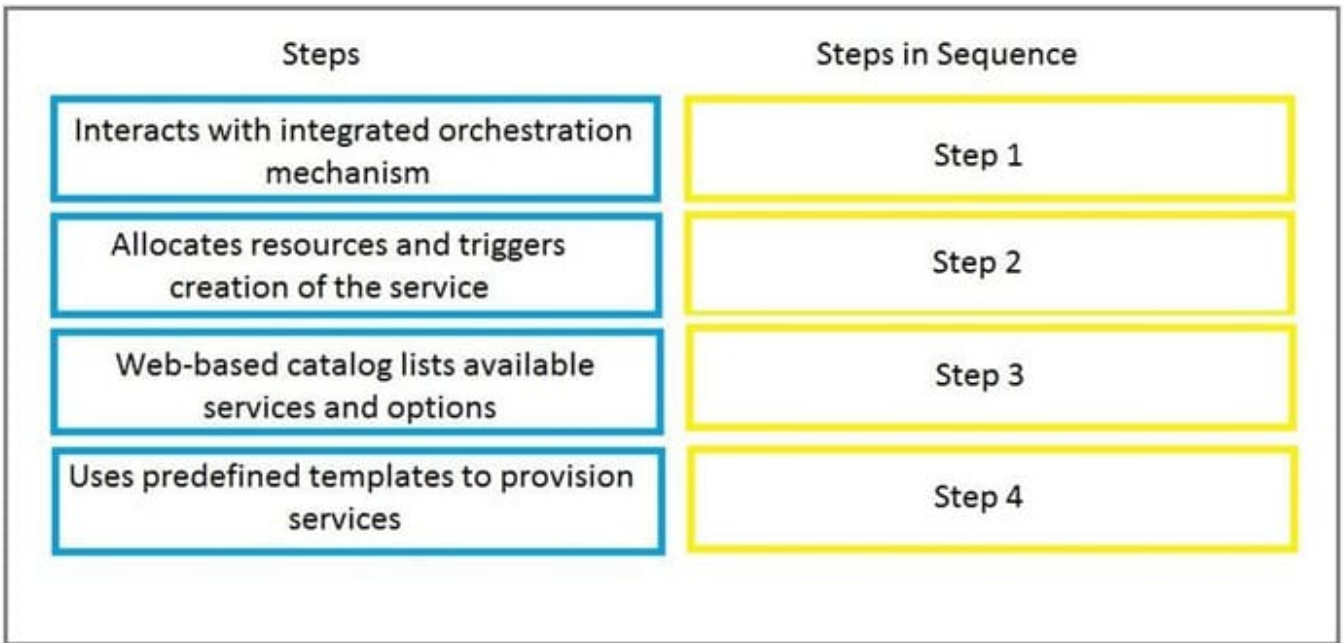
A. PaaS

B. IaaS

C. SaaS

D. BaaS
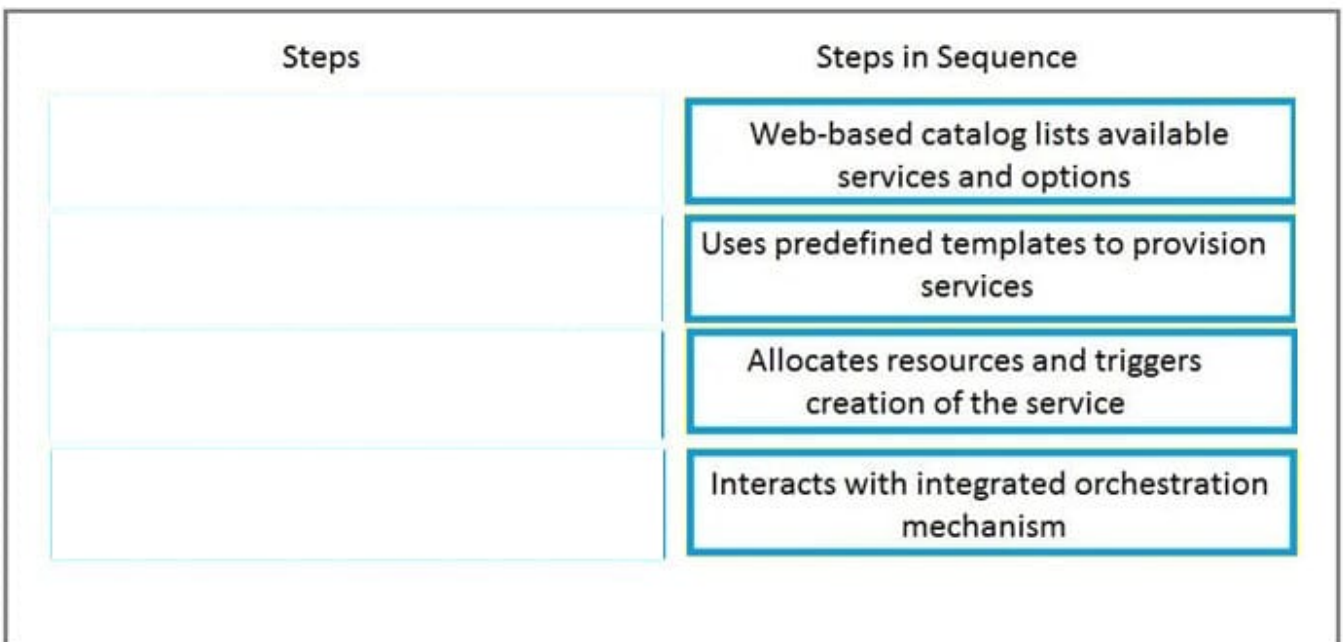
Correct Answer: A

QUESTION 7

DRAG DROP

A company has an on-demand self-service portal. What is the most likely sequence of events in the service catalog when an IaaS service is provisioned?

Select and Place:

Steps	Steps in Sequence
Interacts with integrated orchestration mechanism	Step 1
Allocates resources and triggers creation of the service	Step 2
Web-based catalog lists available services and options	Step 3
Uses predefined templates to provision services	Step 4

Correct Answer:

Steps	Steps in Sequence
	Web-based catalog lists available services and options
	Uses predefined templates to provision services
	Allocates resources and triggers creation of the service
	Interacts with integrated orchestration mechanism

QUESTION 8

An organization is considering migrating from their traditional IT stack to ITaaS. The organization wants to use service catalog and chargeback to help reduce IT waste. The organization does not have the in house knowledge, people, or budget to fully implement the service catalog in short-term. However, they have decided to commit to the transition and want to see results within twelve months.

What are the first three steps you should recommend?

A. 1: Create a cross-functional scrum team to meet every week

2: Organize an application assessment

3: Organize a service inventory analysis

B. 1: Create a cross-functional scrum team to meet every day

2: Organize a workload analysis

3: Organize an application assessment

C. 1: Create a cross-functional cloud team to meet every day

2: Organize a service inventory analysis

3: Organize an orchestration assessment

D. 1: Create a cross-functional cloud team to meet every week

2: Organize a workload analysis

3: Organize a service inventory analysis

Correct Answer: D

QUESTION 9

An organization is using a public cloud provider for IaaS instances. The organization has developed and deployed a web application within these instances. The organization wishes to formalize an SLA that specifies that the public cloud provider will:

Respond to infrastructure outages within 4 hours Offer multiple availability zones Ensure application up-time of 99.9% Provide monthly billing reports

Why would the public cloud provider disagree with these terms?

A. IaaS instances are virtual and therefore do not require a monthly bill.

B. Availability zones must span multiple cloud providers.

C. Application up-time is not the responsibility of other cloud provider.

D. Infrastructure outages are not the responsibility of the cloud provider.

Correct Answer: C

Application up-time can never be the responsibility of a cloud provider. Cloud provider takes care of infrastructure. The hardware up-time is cloud provider\\'s responsibility. The question indicates that the public cloud provider is being used for infrastructure as a service instance.

QUESTION 10

An organization wants to use a public cloud provider for IaaS instances. They will develop and deploy their own applications within these instances. The organization must follow health care compliance regulations.

What should the organization ensure before deploying their applications in the public cloud?

A. Party responsible for encrypting data has been clearly defined.

B. Cloud provider will provide access to the application logs for auditing

C. Instances will not be places in more than one availability zone.

D. Cloud provider\\'s external auditor has access to the data encryption keys.

Correct Answer: A

QUESTION 11

You are designing a cloud services architecture for a company. You have determined that running some of the customer facing applications the company uses in a public cloud would save a significant amount of money but the security

department wants to retain control of customer data at rest. The application infrastructure consists of two database servers and eight web servers.

How can you architect the application to minimize the risk involved with data exposure?

A. Host the application servers in the public cloud and host the databases in the private cloud.

B. Scale the application horizontally by utilizing a hybrid cloud where the application and database are mirrored a public cloud.

C. Cluster four of the application servers and one database server in the public cloud and the remaining servers in the private cloud.

D. Host the application servers and database servers in the public cloud and set up RBAC to restrict access to the applications

Correct Answer: A

QUESTION 12

An organization is deploying services in an existing private cloud. The lines of business have concerns about service performance in planned services. How should IT address these performance concerns?

A. Cloud architect defines appropriate performance in the cloud design.

B. Service manager defines appropriate performance in the SLA.

C. Cloud administrator defines appropriate performance in the SLA.

D. Cloud administrator defines appropriate performance in the cloud design.

Correct Answer: B

QUESTION 13

An IT organization has hired you as a cloud architect to assist them in planning for cloud services. Your first goal is to help the IT organization categorize existing services against service characteristics. You have provided a table that shows common service characteristics and their attributes for considerations, benefits, and trade-offs.

The following attributes from the table have been identified:

Consideration: bundling services increases complexity Benefit: replaceable components, improved recovery from failure Trade off: very finite capability

What characteristics correspond to the identified attributes?

A. Discoverable, Composable, and Idempotent

B. Discoverable, Reusable, and Autonomy

C. Composable, Loosely Coupled, and Autonomy

D. Idempotent, Loosely Coupled, and Reusable

Correct Answer: C

QUESTION 14

A company is in the process of utilizing exposed cloud computing APIs in order to access database, storage, and e-commerce capabilities for their cloud applications. Which type of APIs are these?

A. Infrastructure

B. Service

C. Application

D. Configuration.

Correct Answer: B

QUESTION 15

You have been hired by an organization to help them transition to cloud services. While performing discovery of their application environment you realize that some applications have unique risk considerations.

How should the organization manage application security requirements?

A. Address security on an application-by-application basis

B. Implement an intrusion protection system for the entire environment

C. Adopt the public cloud provider\\'s most stringent security standards

D. Create a CVE database to handle security controls

Correct Answer: A

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