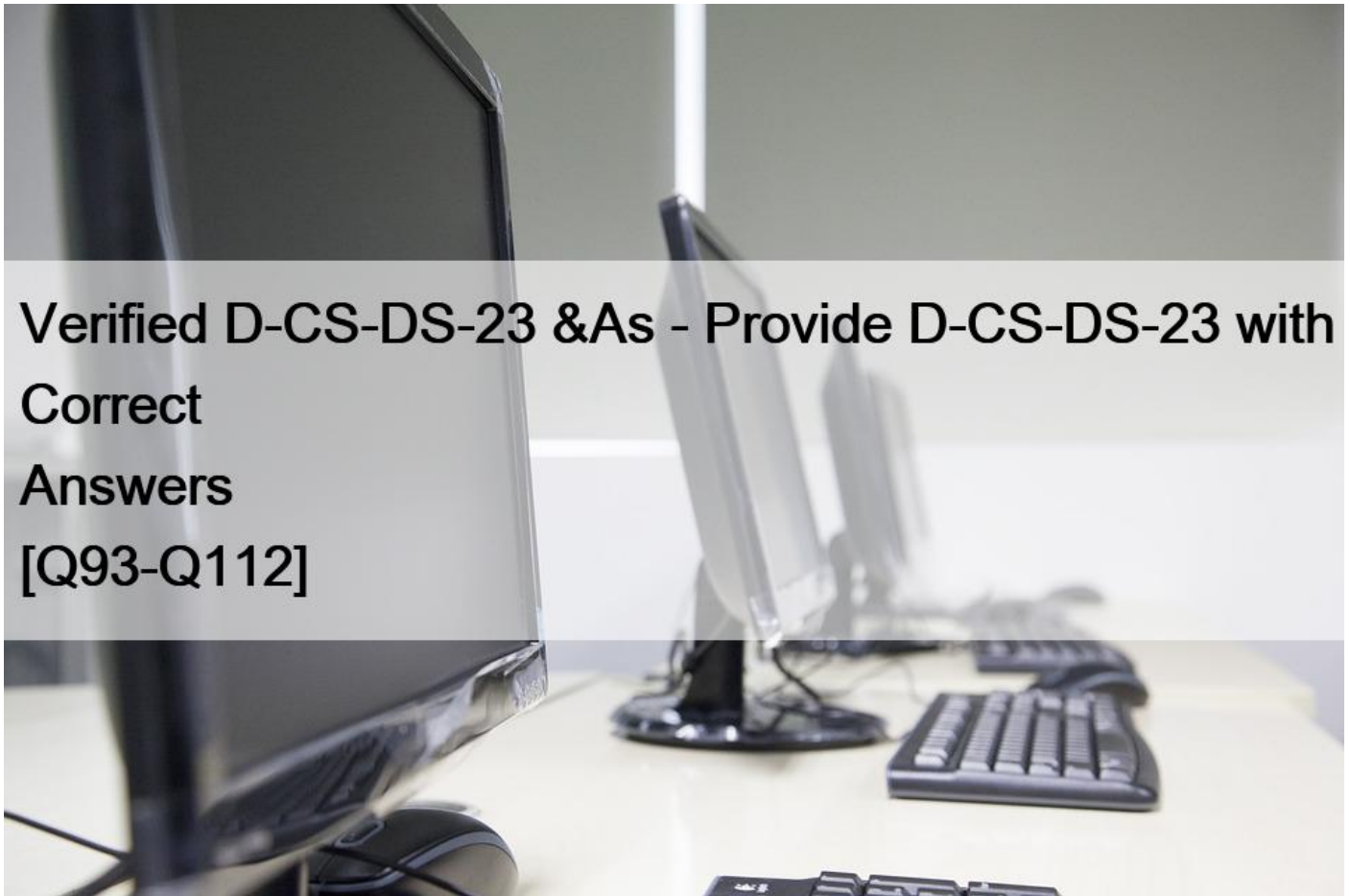


## Verified D-CS-DS-23 &As - Provide D-CS-DS-23 with Correct Answers [Q93-Q112]



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**NO.93** 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?

- \* Infrastructure
- \* Service
- \* Application
- \* Configuration.

**NO.94** A company wants to deploy services in a new cloud infrastructure. A developer is helping the company design these services and realizes that the company is having trouble because of manual, legacy processes.

How can the organization address the legacy processes?

- \* Hire a service manager to implement orchestration workflows

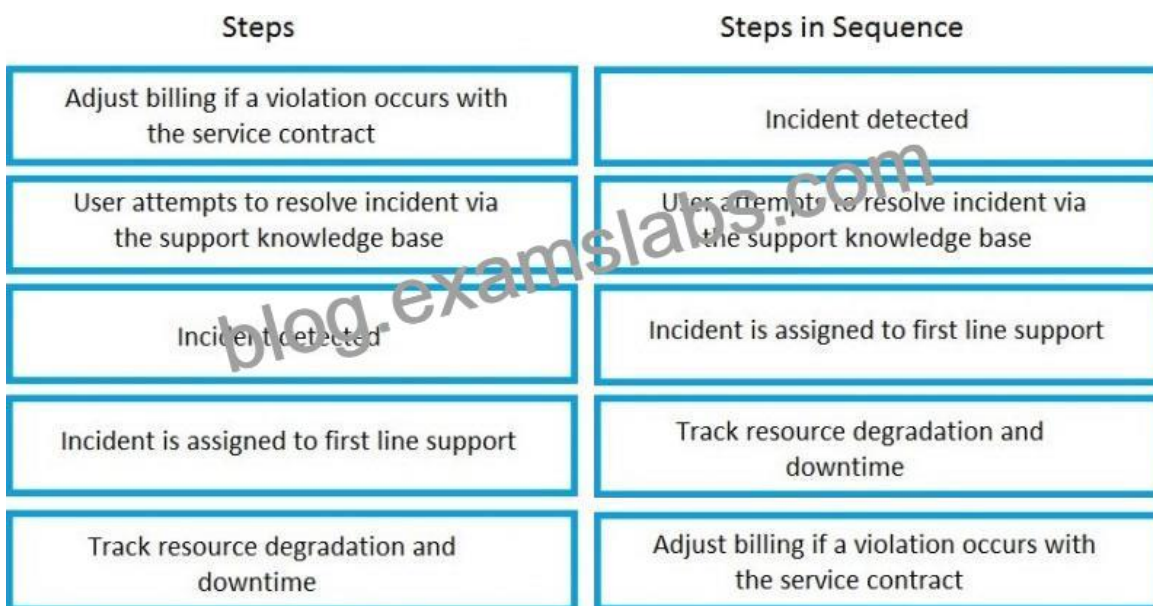
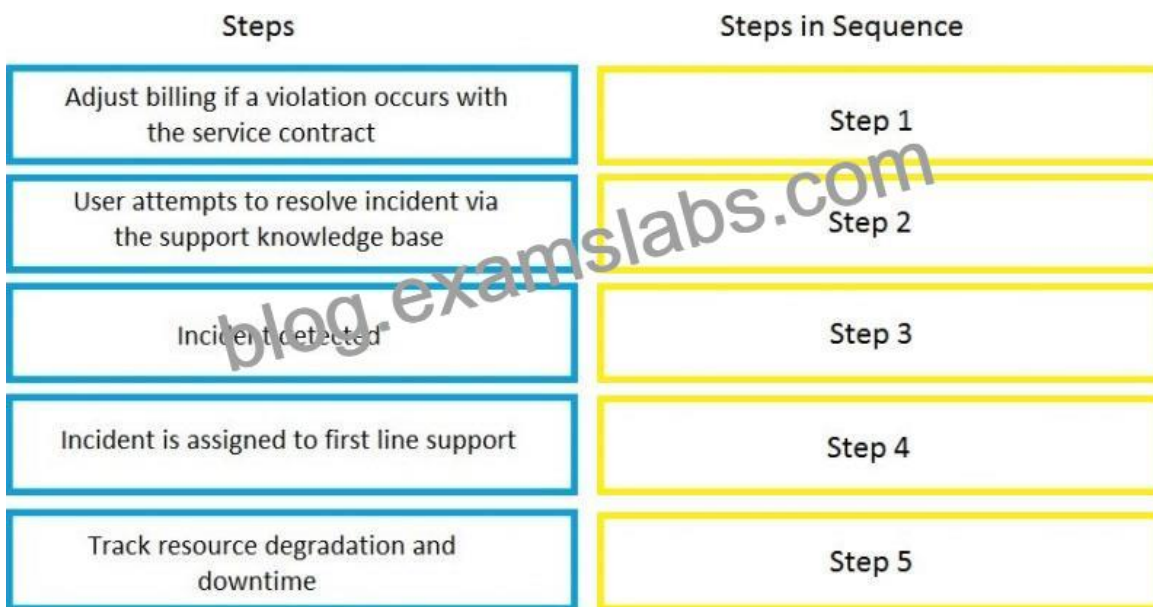
- \* Establish a DevOps team and adopt agile development methods
- \* Establish a Service Governance Board and change the legacy processes
- \* Hire a cloud automation engineer to implement orchestration workflows

**NO.95** When should risk be evaluated as part of the governance process?

- \* After the strategy phase of the lifecycle
- \* Before deploying applications in the cloud
- \* During user acceptance testing
- \* During the initial planning stage

**NO.96** A company has an incident process in place for the cloud services that they support.

What is the correct order of steps for an incident process?



**NO.97** A company plans to offer CRM, CDN, and ERP services.

According to NIST, which services categories correspond to these offerings?

- \* CRM: PaaS; CDN: PaaS; ERP: IaaS
- \* CRM: IaaS; CDN: IaaS; ERP: SaaS
- \* CRM: IaaS; CDN: SaaS; ERP: PaaS
- \* CRM: SaaS; CDN: IaaS; ERP: SaaS

**NO.98** An organization is using a hybrid cloud for services. Services are designed to use Load Balancers.

Orchestration workflows are designed so that services instances are placed in multiple fault domains.

Why are services designed in such a manner?

- \* Minimize impact of security breach
- \* Mitigate risk to service availability
- \* Mitigate risk to service integrity
- \* Minimize impact of governance policies

**NO.99** An IT organization for a medium sized grocery retailer is considering adopting ITaaS. As a first step, they performed an inventory of all existing IT capabilities to determine the ones that could be offered as stand-alone services to their lines of business through a service catalog.

As a cloud architect on the IT team, what would you recommend?

- \* Patch Management
- \* Authentication
- \* Network
- \* Storage

**NO.100** What is the primary challenge of the Service characteristic of Abstraction?

- \* If the service becomes too simplified, then it will become dependent on other services to be useful
- \* The complexity grows as the number of services increases
- \* Other elements of the architecture may be required to manage stateful information
- \* Dependent services may not work as efficiently in a decoupled environment

**NO.101** 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 includes the following terms pertaining to the public cloud provider:

&#8211; Respond to infrastructure outages within 4 hours

&#8211; Offer multiple availability zones

&#8211; Ensure that the application is accessible to global consumers 99.9% of the time

&#8211; Provide monthly billing reports

Why would the public cloud provider disagree with these terms?

- \* Global access cannot be guaranteed by the cloud provider
- \* IaaS instances are virtual and therefore do not require a monthly bill

- \* Infrastructure outages are not the responsibility of the cloud provider
- \* Availability zones must span multiple cloud providers

**NO.102** Your customer's cloud applications are hosted by a CSP. You have been assigned to perform a compliance audit for the CSP's cloud architecture using the CSA framework.

How can the company use the framework?

- \* Adopt the CSP's policies for security and their certifications
- \* Use the roles and responsibilities defined by the provider
- \* Determine what the service provider supplies for compliance requirements
- \* Measure the company's requirements for transparency in security policies

**NO.103** You have been asked by a recently formed DevOps team to qualify the principles for Continuous Delivery.

Which method falls outside the practice of continuous delivery?

- \* Use component-based architecture
- \* Tie code releases to operational constraints
- \* Automate the delivery pipeline
- \* Deploy smaller code segments more often

**NO.104** 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: Reusable and Composable?

- \* Consideration: service usually has to be agnostic to context

Tradeoff: complexity grows as number of services increases

- \* Consideration: late or dynamic binding of services

Benefit: requires collaborative service design

- \* Benefit: can be human readable metadata

Tradeoff: improved recovery from failure

- \* Benefit: improves reliability and scale

Tradeoff: high degree of cooperation and agreement of design standards and conventions

**NO.105** Why should you develop and assess Service Level Agreements (SLAs) when creating service proposals?

- \* They are the primary vehicle for defining and maintaining governance for services
- \* They allow a company to focus on critical services in order to minimize any penalties
- \* SLAs are contractually binding minimums for the delivery of cloud services
- \* Strict agreements ensure better performance and application availability

**NO.106** A financial organization recently deployed a private cloud. They also are planning to use public cloud services to meet their business application demands. They need to implement a measured services and chargeback methodology.

Based on best practices, which solution provides accurate and transparent reporting to the consumer?

- \* Use a mash-up of the internal private cloud and the public cloud metrics
- \* Deploy an internal tool to measure the private cloud metrics and use an independent tool to measure public cloud metrics

- \* Deploy an internal tool to measure the private cloud metrics and use public cloud vendor-specific tool to measure the public cloud metrics
- \* Use public cloud vendor-specific tool to measure both the public and private cloud metrics to get more visibility.

**NO.107** 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:

&#8211; Consideration: bundling services increases complexity

&#8211; Benefit: replaceable components, improved recovery from failure

&#8211; Trade off: very finite capability

What characteristics correspond to the identified attributes?

- \* Discoverable, Composable, and Idempotent
- \* Discoverable, Reusable, and Autonomy
- \* Composable, Loosely Coupled, and Autonomy
- \* Idempotent, Loosely Coupled, and Reusable

**NO.108** As a cloud architect you are helping your company plan for cloud services and you are working with a diverse cloud team.

You have targeted four key initial services and you have highlighted the following key considerations for each service:

&#8211; Determine who can access it and what can they do with it

&#8211; Use overall management to map dependencies across the service

&#8211; Define the workflow to instantiate the service

Your cloud team asks you which service area each of these considerations will most likely map to.

What should be your response?

- \* SLA, Operational Management, and Orchestration
- \* Service Visibility, SLA, and Service Termination
- \* Service Offering, Service Visibility, and SLA
- \* Service Offering, Operational Management, and Orchestration

**NO.109** An organization is deploying services in a private cloud. Consumers are calling IT because they are seeing performance issues within the deployed services.

How should IT troubleshoot and identify these performance issues?

- \* Cloud administrator uses the monitoring tools
- \* Service manager uses the monitoring tools
- \* Cloud architect uses the metering tools
- \* Cloud administrator uses the metering tools

**NO.110** A cloud-based legal records management start-up is developing an overall service design strategy for a software offering. They want to use public clouds and CDNs to deliver their service geographically close to their customers, but they must handle sensitive information carefully.

How should the organization meet this goal?

- \* Deploy private clouds to secure sensitive data
- \* Host no sensitive data by linking to primary sources
- \* Localize sensitive data to also be geographically close to customers
- \* Implement orchestration logic to secure sensitive data

**NO.111** A company wants to deploy services in a new cloud infrastructure. A developer is helping the company design these services and has called upon a cloud automation engineer to help address some issues.

What issues does the developer hope to address?

- \* Design and configuration of the cloud orchestration server
- \* Orchestration and automation of the manual, legacy processes
- \* Orchestration and automation of the traditional development methods
- \* Installation and configuration of the cloud orchestration server

**NO.112** Your company requires a service funding model that will allow it to make short term spending decisions as part of an incremental strategic spending program.

Which funding model should you recommend?

- \* Central
- \* Usage
- \* Project
- \* Hybrid

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