VCEûp

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Exam Name: IBM Cloud Advocate v2
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QUESTION 1
Which of the following statement is correct for IAM?

A. It enables bring-your-own-devices
B. It enables only authentication for the tenancy
C. It enables only authorization for the tenancy
D. It is used to control access to resources

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Identity and access management, or IAM is used to control access to resources.

QUESTION 2
Which of the followings are characteristics of serverless architecture? Except

A. Refers to building and running applications that do not require server management
B. Provides automatic upgrades, patching, and deployment
C. Enables a simpler, more cost-effective way to build and operate cloud-native applications
D. Describes a finer grade deployment model where applications are bundled as one or more functions

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Serverless computing is a cloud computing execution model that provisions computing resources on demand and offloads all responsibility for common infrastructure management tasks. They are autoscalable so it can handle extremely active traffic periods.
Serverless computing does-not means there are no physical servers utilized, of course there are servers, but we don't have to manage them, in background cloud provider manage (provisioning, scheduling, scaling, patching and more) for us, this gives developers more time to develop and optimize their front-end application code and business logic. And with serverless, customers never pay for idle capacity. They pay only for the resources required to run their applications, and only when those applications are running.
Serverless is a polyglot environment, enabling developers to code in any language or framework - Java, Python, node.js - with which they're comfortable. Because serverless scales up and down on demand in response to workload, it offers significant cost savings for spiky workloads. But it does not offer the same savings for workloads characterized by predictable, steady or long-running processes; in these cases, a traditional server environment might be simpler and more cost-effective.
Serverless Implementations differ across service providers, and capabilities vary, including supported runtimes, authentication, scaling and monitoring.
Serverless architectures are well-suited for event-driven, IOT and stream-processing workloads most notably open-source Apache Kafka event streaming platform.
Benefits:
- Pay only for the time for our code will run.
- Developer don't have to take care of servers or infrastructure, it maintains by cloud provider, so they can focus more on development and business logic.
- API Management & Integrated event sources.
- Serverless scales up and down on demand in response to workload
[Exam Tips]: You can expect, few

QUESTION 3
Which of the following automation services is a serverless platform provider. Except?

A. AWS Lambda
B. Google Cloud Functions
C. Microsoft Azure Functions
D. Oracle Cloud Server

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Oracle Cloud Server is a server (compute shape), It's not a server-less offering of Oracle Cloud Infrastructure. In-
Correct Answer: AWS Lambda, Google Cloud Functions, Microsoft Azure Functions are automation
Explanation:services of AWS, GCP and Microsoft. Server-less computing is a cloud computing execution model that provisions computing resources on demand and offloads all responsibility for common infrastructure management tasks.
They are auto scalable so Its can handle extremely active traffic periods.

QUESTION 4
Cloud native development and hybrid cloud strategy are use cases of?

A. SaaS(Software-as-a-Service)
B. PaaS(Platform-as-a-Service)
C. DaaS(Data-as-a-Service)
D. IaaS(Infrastructure-as-a-Service)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
Which of the following are use cases of cloud object storage? Except

A. Backup and recovery
B. Data archiving
C. Cloud-native app data
D. Structured data storage

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Object Storage enable you to store and access unstructured data anywhere in the world with a selfservice portal backed by RESTful APIs.
Object Storage supports exponential data growth and cloud-native workloads with built-in highspeed file transfer capabilities, cross-region offerings and integrated services.
Cloud object storage makes it possible to store practically limitless amounts of data, simply and cost effectively.
Example use cases of cloud object storage include:
- Backup and recovery
- Data archiving
- Cloud-native app data
- AI and analytics

QUESTION 6
Kubernetes is an open-source container orchestration project that simplifies everything associated with deploying and managing _____? (Fill the blank)

A. DevOps
B. Containers
C. SRE
D. IOT

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

Kubernetes is an open-source container orchestration project that simplifies everything associated with deploying and managing containers.
Kubernetes, also known as K8s, is an open-source system for automating deployment, scaling, and management of containerized applications.
Kubernetes is open source giving you the freedom to take advantage of on-premises, hybrid, or public cloud infrastructure, letting you effortlessly move workloads to where it matters to you.
Kubernetes Features:
- Automated rollouts and rollbacks
- Storage orchestration
- Self-healing
- Secret and configuration management

QUESTION 7
Which are following statement are correct for DevOps? Except

A. DevOps is a practice of bringing development and operations teams together

B. With DevOps, a developer can automate the build process, code testing and deployment

C. DevOps used to deliver code faster to production and iterate continuously based on market feedback

D. DevOps continuously integrates and automates security throughout the DevOps lifecycle

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
DevOps does not continuously integrates and automates security throughout the DevOps lifecycle, Its DevSecOps which continuously integrates and automates security throughout the DevOps lifecycle.
Remaining three other options are valid for DevOps
Let's understand DevOps first, DevOps is a practice of bringing development and operations teams together. With DevOps, a developer can automate the build process, code testing and deployment.
DevOps used to deliver code faster to production (Continuous delivery) and iterate continuously based on market feedback.
With a DevOps strategy you can do the following:
- Accelerate the delivery of reliable software.
- Balance speed, cost, quality, and risk with increased capacity to innovate.
- Reduce time to customer feedback with improved customer experience.
Common use cases for devops include cloud native and mobile applications, application integration, and modernization and multicloud management.
[Exam Tips]: Remember, DevOps is used to deliver code faster to production, DevOps bring development and operation team together to deploy code to production faster.

QUESTION 8
Which of the following are true for IBM Cloud® Databases and IBM Cloud® Database-as-a-Services?
(Select Three)

A. There are predictable, periodic charges, based on the services consumed.

B. They are managed by IBM, unless customers specifically request to manage some aspects themselves.

C. They feature enterprise grade security, including encryption of data at rest and in transit.

D. Users must purchase and set up their own hardware.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:
Explanation:
IBM Cloud® Databases and IBM Cloud® Database-as-a-Services (DBaaS) are fully managed by IBM, unless customers specifically request to manage some aspects themselves.
IBM Cloud® Databases and DBaaS offers your organization significant financial, operational, and strategic benefits like below:
- Your organization pays a predictable periodic charge based on the resources you consume—there's no need to purchase additional capacity to have on hand for hypothetical future needs.
- You can quickly and easily scale-up and down as per your need.
- They are highly available, secure with IBM enterprise security, compatible with open-source databases, scalable, and economical including features like default encryption of data at rest and intransit and integrated identity and access management controls. Some also meet specific regulatory compliance standards.
IBM's catalog of database services includes:
1. IBM Cloudant, IBM Cloud®Databases for etcd
2. IBM Cloud® Databases for MongoDB
3. IBM Cloud® Databases for PostgreSQL
4. IBM Cloud® Databases for Redis Elasticsearch

QUESTION 9
True Or False. Content Delivery Network is a distributed server network that delivers temporarily stored, or cached, copies of website content to users based on the users' geographical location?

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Content Delivery Network is a distributed server network that delivers temporarily stored, or cached, copies of website content to users based on the users' geographical location to enables faster web performance. Exam tips: Remember CDN Improving website load times, by distributing content from nearby CDN server.

QUESTION 10
Which of the following are characteristics of Hybrid Multicloud? (Select Max)

A. Combine best-of-breed cloud services and functionality from multiple cloud computing vendors
B. Choose the optimal cloud computing environment for each workload
C. Move workloads freely between public and private cloud as circumstances change
D. It combines public cloud services and private cloud services from a single cloud provider

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Hybrid multicloud is hybrid cloud that combines public cloud services and private cloud services from more than one cloud service provider. As It's a combination of public cloud + private cloud so users have a choice to move workloads between public and private cloud. For example: User can keep highly sensitive data on private cloud server behind the firewall & and can use public cloud capabilities also for less-sensitive workloads and data.

QUESTION 11
An organization want to access to servers and storage devices but does not want to buy them. The they prefer to have their own employees install and maintain the computing platform and application software. What will you suggest for them?

A. Infrastructure-as-a-service
B. Platform-as-a-service
C. Software-as-a-service
D. Serverless

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Correct Answer : Infrastructure-as-a-service would be one and only option for an organization, if they just want to access to servers and storage devices but does not want to buy them. Their own employee (Usually system admin) can install and maintain the computing platform and application software.

QUESTION 12
IoT, AI, Blockchain, and Analytics are emerging technologies enabled by the cloud. What are some of the attributes of cloud computing that enable these technologies? Select two.

A. Cloud resources are offered in a single-tenant model.
B. The power and scale of cloud resources.
C. Computing resources can be accessed via internet connection.
D. Cloud offers on-demand computing.

Correct Answer: CD

QUESTION 13
Which compute option provides dedicated hardware and is popular with gaming providers due to their bandwidth provision and high-level performance?

A. Skytap
B. Bare Metal
C. Vmware
D. VPC

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Bare Metal provides dedicated hardware and is popular with gaming providers due to their bandwidth provision and high-level performance.

QUESTION 14
IBM Cloud Pak's directly support which hybrid multi-cloud strategies?

A. Portability of workload
B. Reduced risk of vendor lock-in
C. Leverage VMWare's multicloud solutions
D. Exploit native cloud services.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
IBM Cloud Paks are: Portable and can run anywhere: The portability of hybrid cloud solutions built with IBM Cloud Paks means that they are built to run on any hybrid cloud environment.

QUESTION 15
What is a key enabling technology of cloud native applications?

A. A large scalable relational database
B. A container technology such as Kubernetes
C. A VMWare cluster
D. An Autoscaling enabled virtual server group.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Key Enabling Technologies and Tools for a Cloud Native Solution:
Containers, Container orchestration systems (like Kubernetes), Serverless technologies (IBM Cloud Functions and IBM Code Engine), REST APIs, Messaging and event streaming.

QUESTION 16
Which key manager in IBM cloud stores keys in hardware security module (HSM) and provides a Keep Your Own Key (KYOK) capabilities?

A. Hyper Protect Crypto Services

B. Key Protect
C. Certificate Manager
D. Hyper Protect Virtual Server

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Correct Answer:
Hyper Protect Crypto Services is a key management system that provides keep your own key (KYOK) capabilities for cloud data encryption. It provides lifecycle management for keys, encryption for IBM Cloud services, access management, auditing, and security certification.
In-Correct Answers:
Key Protect securely stores and applies secrets for apps. It provides encryption solutions and allows data to be secured and stored in IBM Cloud through envelope encryption. If users want to manage symmetric keys to encrypt data at rest, they should use Key Protect.
IBM Certificate Manager service helps you manage and deploy SSL/TLS certificates for your apps and services. Certificate Manager provides you with a security-rich repository for your certificates and their associated private keys and helps prevent outages by sending you notifications when your certificates are about to expire.
IBM Cloud Hyper Protect Virtual Servers grant you complete authority over your Linux-based virtual servers for workloads that contain sensitive data and business IP. They offer a confidential computing environment, addressing your top security concerns for peace of mind when building applications in the cloud and helping you with the following issues:
- Memory protection through a trusted execution environment
- Data-at-rest and data-in-flight encryption
- Prevention of unauthorized access

QUESTION 17
An application is composed of many loosely coupled and independently deployable smaller components which architecture describe the application?

A. Microservices
B. Hybrid Cloud
C. Software-As-A-Service
D. Monolithic

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Microservices architecture is an approach in which a single application is composed of many loosely coupled and independently deployable smaller services.

QUESTION 18
What type of data volume would a client used to attach to an IBM cloud virtual server instance (VSI) for virtual private cloud (VPC)?

A. SCSI
B. Block
C. NAS
D. File

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Correct Answer: Block storage stores data by breaking it into evenly sized blocks, which is written to
Explanation:disk. The data stored is highly available because each block is stored multiple times across different disks. Block storage is used for computing situations where users require fast, efficient, and reliable data storage Block storage can be deployed on a Virtual Private Cloud (VPC) or classic environments.

QUESTION 19
Which IBM's Database-as-a-Service based on Apache's CouchDB provide a 99.99% service level agreement.

A. Mongo DB
B. IBM Db2 Hosted
C. MySQL
D. IBM Db2
E. IBM Cloudant

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Correct Answer :
DBaaS, sometimes called "managed database service," is exactly what it sounds like: a service that lets users access and use a database over the cloud, rather than purchasing and setting up their own hardware and software, which they then need to manage themselves.
IBM® Cloudant®, a highly scalable and performant JSON (JavaScript Object Notation) database service, stores JSON formatted documents.
IBM® Cloudant® is a fully managed, distributed database optimized for heavy workloads and fastgrowing web and mobile apps, IBM Cloudant is available as an IBM Cloud® service (based on Apache's CouchDB) with a 99.99% SLA.
Use Case: Where customer requires scalable web and mobile app with flexible schemas utilizing offline first architectures to avoid application downtime.
Db2 is a relational database with enterprise-grade performance. It provides multizone support allowing it to be run in a highly-available configuration.

QUESTION 20
Which of the following is the most suitable for providing messaging capabilities with point-to-point and publish subscribe models?

A. IBM API Connect
B. IBM App Connect
C. Event Stream
D. IBM MQ

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
IBM® MQ provide messaging capabilities such as point-to-point and publish subscribe models to facilitate the flow of information between applications. You can use IBM® MQ to enable applications to communicate at different times and in many diverse computing environments.
In-Correct Answers :
IBM App Connect® is a powerful all-in-one tool for easily connecting apps, integrating data, building APIs, and acting on events. It can automatically copy and synchronize data between on-premises and cloud-based applications. it can connect any endpoint, map your data, and move data fast. With IBM App Connect®, you can reliably access and combine data assets across all your enterprise applications, databases, and systems and expose them as APIs.
IBM API Connect® The tools that API Connect service provides will create and manage your APIs with security-rich features and centralized governance and business-level controls by setting varying levels of security, visibility, billing plans, and rate limits. You can use IBM API Connect for IBM Cloud to quickly create APIs for microservices based on Node.js and Java runtimes IBM Event Streams for IBM Cloud® is an event-streaming platform based on the Apache Kafka® project and incorporates the open-source Strimzi technology.
IBM Event Streams for IBM Cloud® is a high-throughput message bus built with Apache Kafka. IBM Event Streams supports Apache Avro schemas, enabling your Kafka applications to use schemas to validate data structures and to encode and decode data. Event Streams provides a REST API to help connect your existing systems to your Event Streams Kafka cluster.

QUESTION 21
Which IBM Cloud® service fully managed elastic cloud data warehouse delivers independent scaling of storage and compute?

A. IBM Analytics Engine
B. IBM Watson Machine Learning
C. IBM Watson Knowledge Catalog
D. IBM Watson Discovery
E. IBM DB2 Warehouse
F. IBM Watson Assistant

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Correct Answer:
IBM® Db2® Warehouse provides a client-managed, preconfigured data warehouse that runs in private clouds, virtual private clouds and other container-supported infrastructures. IBM® Db2® Warehouse on Cloud is a fully managed, elastic cloud data warehouse that delivers independent scaling of storage and compute.
In-Correct Answers:
IBM Analytics Engine is a cloud-based service that enables data scientists to rapidly provision, manage, run and retire Apache Hadoop and Apache Spark clusters. IBM Analytics Engine provides an architecture for Hadoop clusters that decouples the compute and storage tiers. Instead of a permanent cluster formed of dual-purpose nodes, the Analytics Engine allows users to store data in an object storage layer such as IBM Cloud Object Storage and spins up clusters of compute notes when needed.
IBM Watson® Machine Learning provides a full range of tools and services so you can build, train, and deploy Machine Learning models. IBM Watson Machine Learning makes it easy for developers and data scientists to work together to integrate predictive capabilities with their applications. The Machine Learning service is a set of REST APIs that you can call from any programming language to develop applications that make smarter decisions, solve tough problems, and improve user outcomes.
IBM Watson® Knowledge Catalog is a data catalog tool that powers intelligent, self-service discovery of data, models and more. IBM Watson Knowledge Catalog can automatically discover and register data assets at the provided connection. As assets are added to the catalog, they are automatically indexed and classified, making it easy for users such as data engineers, data scientists, data stewards and business analysts to find, understand, share and use the assets.
Use Cases: Improve data quality, manage data privacy and compliance, Enable self-service discovery and analysis IBM Watson® Discovery is an intelligent search service that delivers specific answers to questions while serving up an entire document for exploration. Watson Discovery lets you rapidly build cognitive, cloud-based exploration applications that unlock actionable insights hidden in unstructured data.
In a few steps, you can prepare your unstructured data, create a query that pinpoints the information you need, and integrate those insights into your applications.
Available features include Smart Document Understanding (SDU), Search Skills, and IBM Watson Discovery News.
IBM Watson®Assistant : Watson Assistant allows you to use the power of Watson to bring a conversational interface to your solution. Your customers can interact with Watson Assistant using natural language conversation.

QUESTION 22
Which statement best describes Event Streams?

A. Provides API creation and management with security-rich features and centralized governance.

B. Allows for connection of applications, automation of tasks with hundreds of built-in connectors.

C. Provides enterprise-grade messaging capabilities such as point-to-point and publish subscribe models to facilitate the flow of information between applications.

D. Integrates with Watson Internet of Things (IoT) and IBM Cloud functions to leverage event streams.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
IBM Event Streams for IBM Cloud® is an event-streaming platform based on the Apache Kafka® project and incorporates the open-source Strimzi technology. It Integrates with Watson Internet of Things (IoT) and IBM Cloud functions to leverage event streams.
IBM Event Streams for IBM Cloud® is a high-throughput message bus built with Apache Kafka. IBM Event Streams supports Apache Avro schemas, enabling your Kafka applications to use schemas to validate data structures and to encode and decode data.
Event Streams provides a REST API to help connect your existing systems to your Event Streams Kafka cluster.
In-Correct Answers:
IBM® MQ provide messaging capabilities such as point-to-point and publish-subscribe models to facilitate the flow of information between applications. You can use IBM® MQ to enable applications to communicate at different times and in many diverse computing environments.
IBM App Connect® is a powerful all-in-one tool for easily connecting apps, integrating data, building APIs, and acting on events. It can automatically copy and synchronize data between on-premises and cloud-based applications. it can connect any endpoint, map your data, and move data fast. With IBM App Connect®, you can reliably access and combine data assets across all your enterprise applications, databases, and systems and expose them as APIs.
IBM App Connect® offer prebuilt, security-rich intelligent connectors let you connect applications on premises or in the cloud.
IBM API Connect® The tools that API Connect service provides will create and manage your APIs with security-rich features and centralized governance and business-level controls by setting varying levels of security, visibility, billing plans, and rate limits.
You can use IBM API Connect for IBM Cloud to quickly create APIs for microservices based on Node.js and Java runtimes

QUESTION 23
Kubernetes relies on _____ configuration files to maintain the application state? (Fill in the Blank)

A. HTTP
B. XML
C. HTML
D. YAML

Correct Answer: D
Section: (none)

Explanation

Explanation/Reference:
Explanation:
Kubernetes relies on YAML configuration files to maintain the application state.

QUESTION 24
What is an important difference between containers and virtual machines?

A. Containers virtualize hardware and VMs virtualize the operating system
B. Containers virtualize the operating system and VMs virtualize the hardware
C. Containers virtualize the operating system and VMs virtualize the registry
D. VMs virtualize the hardware and Containers virtualize the registry

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Containers are lightweight and portable executable units (images) of software. They supply portability between different platforms and clouds. Containers are self-contained units that are designed to hold applications as well as all libraries and dependencies that the application requires.
Containers can be run on physical computers or in the cloud.
Containers do not have an operating system of their own. Instead, they access the operating system of the device they are running on using a hypervisor. This allows them to be more light-weight, easier to provision, and much smaller than traditional virtual machines.
Virtual machine is a virtual re-presentation of physical computer, you can understand it as a computer inside a computer. Each individual virtual machine behaves exactly as though it were its own computer. It has its own operating system, memory, storage, and compute and is totally unaware of other virtual machines that could be running on the same host.
How do containers differ from a traditional VM?
Traditional virtualization leverages a hypervisor to virtualize physical hardware. Each VM contains:
- A guest operating system (OS)
- A virtual copy of the hardware that the OS requires to run
- An application and its associated libraries and dependencies
- Containers, on the other hand, virtualize the operating system. Each container only contains:
- The application
- Its libraries
- Its dependencies

QUESTION 25
What service is the OpenShift platform built on?

A. Tekton
B. Jenkins
C. Kubernetes
D. TravisCI

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Red Hat's® OpenShift® is an open-source container platform that runs on the Red Hat enterprise Linux operating system and Kubernetes. It's built upon Kubernetes.
Red Hat's® OpenShift® on IBM Cloud enables customers to deploy and manage apps on Red Hat OpenShift clusters. These clusters run on the Red Hat OpenShift on IBM Cloud container platform software.
Red Hat's® OpenShift® is a Kubernetes container platform. It extends the Kubernetes platform enabling the customer to deploy their workloads across cloud providers. Additionally, they can create their own clusters or compute hosts either on IBM Cloud or VPC infrastructure. IBM Satellite enables Red Hat's® OpenShift® to be deployed and managed in any location.
Benefits: Here are some of the benefits of Red Hat's® OpenShift®:
Fast and secure: Red Hat's® OpenShift® enables developers to containerize and deploy workloads quickly and securely.
Scalable: Red Hat's® OpenShift® enables developers to scale workloads across multiple data centers and multizone regions. Organizations can then monitor, log, and secure apps.

QUESTION 26
What are the three Transformational Paths for application modernization?

A. Informational
B. Infrastructure
C. Architectural
D. Delivery

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Three transformational paths for application modernization are infrastructure, architectural and delivery.

QUESTION 27
IBM Cloud offers IBM Cloud® Pak's for which of the following? (Select Three)

A. Security
B. Applications
C. Containerization
D. Automation

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:
Explanation:
IBM Cloud® Pak's are AI-powered software. Using IBM Cloud® Pak's customers are automating, predicting and optimizing business processes and modernizing business models at a faster pace without compromising capabilities, security and resiliency.
IBM Cloud offers IBM Cloud® Pak's for following:
IBM Cloud Pak® for Network Automation: Automate networks to deliver zero-touch operations.
IBM Cloud Pak® for Security: Generate deeper insights into threats and orchestrate actions for scalability and automated responses.
IBM Cloud Pak® for Business Automation: Automate business operations to achieve better performance.
IBM Cloud Pak® for Data: Unify cloud storage and simplify the collection, organization and analysis of data.

QUESTION 28
Which of the following are benefits of serverless computing? (Select Three)

A. Integrated event sources
B. Pay for execution only
C. Automatic tooling
D. API Management

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Serverless computing is a cloud computing execution model that provisions computing resources on demand and offloads all responsibility for common infrastructure management tasks. They are auto scalable so it can handle extremely active traffic periods.
Serverless computing does-not means there are no physical servers utilized, of course there are servers, but we don't have to manage them, in background cloud provider manage (provisioning, scheduling, scaling, patching and more) for us, this gives developers more time to develop and optimize their front-end application code and business logic. And with serverless, customers never pay for idle capacity. They pay only for the resources required to run their applications, and only when those applications are running.
Serverless is a polyglot environment, enabling developers to code in any language or framework - Java, Python, node.js - with which they're comfortable. Because serverless scales up and down on demand in response to workload, it offers significant cost savings for spiky workloads. But it does not offer the same savings for workloads characterized by predictable, steady or long-running processes; in these cases, a traditional server environment might be simpler and more cost-effective.
Serverless Implementations differ across service providers, and capabilities vary, including supported runtimes, authentication, scaling and monitoring.
Serverless architectures are well-suited for event-driven, IOT and stream-processing workloads most notably open-source Apache Kafka event streaming platform.

Benefits:
- Pay only for the time for our code will run.
- Developer don't have to take care of servers or infrastructure, it maintains by cloud provider, so they can focus more on development and business logic.
- API Management & Integrated event sources.
- Serverless scales up and down on demand in response to workload

QUESTION 29
Which IBM Cloud® service is used to specify authorization?

A. Group
B. Policy
C. Resource Group
D. Role

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
IBM Cloud® Identity and Access Management (IAM) provides secure access control that enable developers to do all sorts of useful things. For example, if an organization's corporate security policies require that IBM Cloud credentials always be encrypted and rotated every week, developers can use IAM to securely provide credentials that write to the Cloudant Service.
IAM policy enables a subject to access a resource. There are three primary values in a policy: a subject, roles, and resources.

QUESTION 30
Which one of the following describes a characteristic of direct attached storage?

A. Direct-attached storage offers infinite capacity as you can keep adding files to it

B. Direct-attached storage is typically provisioned in volumes

C. Direct-attached storage is mounted to compute nodes via an ethernet network

D. Direct-attached storage is ephemeral, ephemeral storage persists as long as the compute resource is attached to it

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Direct-attached storage (DAS) is a type of storage that is attached directly to a computer without going through a network.
DAS is typically used for internal storage in personal computers and servers in the form of a hard disk drive (HDD) or solid-state drive (SSD) directly connected to the motherboard.
Direct-attached storage is ephemeral or non-persistent. they persist as long as the instance isn't deleted; it will not be lost and reset due to reboots.
Direct-attached storage offers limited capacity, but using multiple hard disk drives, we can expand its storage capacity.