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Oracle 1Z0-1151-25 Oracle Cloud Infrastructure 2025 Multicloud Architect Professional

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Oracle 1Z0-1151-25 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Implement Oracle Database@Azure: This section tests the expertise of Database Solutions Architects in deploying and managing Oracle Database@Azure. It covers the architectural components and onboarding processes required for provisioning databases in Azure while maintaining Oracle's advanced database capabilities. Candidates will also focus on configuring high availability and disaster recovery strategies to ensure business continuity and data resilience in a multi-cloud setup.
Topic 2	<ul style="list-style-type: none">Introduction to Multicloud: This section of the exam measures the skills of Cloud Architects in understanding multicloud environments and their benefits. It covers the reasons organizations adopt multi-cloud strategies, including flexibility, cost optimization, and risk management. Candidates will learn about common multicloud use cases and how they are implemented in Oracle Cloud Infrastructure (OCI) to enhance interoperability and performance.

Topic 3	<ul style="list-style-type: none"> • Configure Multicloud Connection Options: This section assesses the abilities of Network Engineers in configuring connectivity solutions for OCI multi-cloud environments. It includes setting up secure networking options such as Site-to-Site VPN and FastConnect for seamless cloud integration. Candidates will also learn how to implement Oracle Interconnect services for establishing direct, high-performance connections between OCI and third-party cloud providers like Microsoft Azure and Google Cloud.
Topic 4	<ul style="list-style-type: none"> • Implement Oracle Database@Google Cloud: This section measures the proficiency of Cloud Database Engineers in utilizing Oracle Database@Google Cloud. It explores the architecture and operational framework for running Oracle databases on Google Cloud. Candidates will learn about onboarding procedures, provisioning resources, and managing database services effectively to optimize performance and availability in a Google Cloud-integrated multi-cloud ecosystem.
Topic 5	<ul style="list-style-type: none"> • Core OCI Services Overview: This section evaluates the knowledge of Identity and Database Administrators in managing OCI's core services for multi-cloud integration. It covers the implementation of identity federation between OCI Identity Domains and external identity providers, ensuring secure authentication across multiple cloud environments. Candidates will also gain expertise in configuring Virtual Cloud Network (VCN) components and administering OCI database services, including Base Databases, Autonomous Databases, and HeatWave, to support scalable multi-cloud deployments.

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Oracle Cloud Infrastructure 2025 Multicloud Architect Professional Sample Questions (Q42-Q47):

NEW QUESTION # 42

Which Autonomous Database deployment option offers exclusive use of Exadata hardware?

- A. Standalone Deployment
- B. Serverless
- C. Exclusive Deployment
- **D. Dedicated Deployment**

Answer: D

Explanation:

Here's why:

Autonomous Database Dedicated Infrastructure: This deployment option provides you with dedicated Exadata infrastructure for your Autonomous Databases. You get exclusive use of the Exadata hardware, providing the highest level of isolation, security, and control.

Here's why the other options are not correct:

Exclusive Deployment: This is not a standard term used for Autonomous Database deployment options.

Standalone Deployment: While not an official term, this might be confused with Serverless, which uses shared infrastructure.

Serverless: In the Serverless deployment option, your Autonomous Database shares Exadata infrastructure with other users. This provides a cost-effective solution for many workloads but doesn't offer exclusive use of hardware.

NEW QUESTION # 43

Which type of traffic is NOT supported by the cross-cloud connection between Oracle Cloud Infrastructure (OCI) and Microsoft Azure?

- A. Traffic from an Azure Virtual Network (VNet) to a peered OCI Virtual Cloud Network (VCN) in a different OCI region
- B. Traffic from an Azure VNet to a peered OCI VCN within the same OCI region
- **C. Traffic between your on-premises network and the OCI VCN through the Azure VNet**
- D. Traffic between an Azure VNet and OCI VCN using private IP addresses

Answer: C

Explanation:

The cross-cloud interconnection between OCI and Azure, facilitated by FastConnect and ExpressRoute, establishes a direct, private connection between the two cloud environments. It does not extend to transitive routing from on-premises networks through Azure to OCI.

Here's a breakdown:

A). Traffic from an Azure Virtual Network (VNet) to a peered OCI Virtual Cloud Network (VCN) in a different OCI region: This is supported. The interconnection allows traffic to flow between VNets and VCNs, even across different regions within each cloud.

B). Traffic between an Azure VNet and OCI VCN using private IP addresses: This is the core functionality of the interconnection. It enables communication using private IP addresses, ensuring secure and private communication between the two clouds.

C). Traffic from an Azure VNet to a peered OCI VCN within the same OCI region: This is also supported. The connection works regardless of whether the VCNs are in the same or different OCI regions.

D). Traffic between your on-premises network and the OCI VCN through the Azure VNet: This is not supported. The interconnection is designed for direct connectivity between Azure and OCI. It doesn't act as a transit point for on-premises traffic to reach OCI. To connect your on-premises network to OCI, you would need a separate connection, such as an OCI FastConnect or a VPN connection directly to OCI. Similarly, to connect your on-premises network to Azure, you would need an Azure ExpressRoute or a VPN connection to Azure

NEW QUESTION # 44

What is the purpose of the Autonomous System Number (ASN) in a BGP configuration?

- A. It determines the bandwidth allocated to your connection.
- B. It is used to authenticate the connection between your on-premises network and OCI.
- C. It is used to encrypt the traffic traversing the connection.
- **D. It uniquely identifies your network to the internet routing system, allowing for proper routing of traffic.**

Answer: D

Explanation:

Here's why:

Autonomous System Number (ASN): An ASN is a unique number assigned to an autonomous system (AS), which is a network or a group of networks under a common administration that has a consistent routing policy. In the context of BGP (Border Gateway Protocol), ASNs are used to identify each network participating in BGP routing. When you configure BGP for your FastConnect connection, you and Oracle each provide an ASN. This allows routers on both sides to exchange routing information and ensure that traffic is correctly routed between your on-premises network and your OCI VCN.

Why the other options are incorrect:

A). It is used to encrypt the traffic traversing the FastConnect connection: Encryption is handled by other mechanisms, such as IPsec VPNs (if used in conjunction with FastConnect) or encryption at the application layer. The ASN itself does not provide encryption.

C). It determines the bandwidth allocated to your FastConnect connection: The bandwidth of your FastConnect connection is determined by the service level you purchase from Oracle, not by the ASN.

D). It is used to authenticate the connection between your on-premises network and OCI: While BGP does have some built-in authentication mechanisms (like MD5 authentication), the primary purpose of the ASN is network identification for routing, not authentication. The FastConnect circuit itself is authenticated through other means.

NEW QUESTION # 45

A company wants to leverage Google Cloud's AI/ML services for analyzing data stored in Oracle Autonomous Database on OCI. Which approach minimizes data egress costs and latency for this multicloud analytics use case?

- **A. Leverage Oracle Interconnect for Google Cloud to establish a direct, low-latency connection and access Autonomous Database remotely from Google Cloud's AI/ML services.**

- B. Export data from Autonomous Database to Google Cloud Storage regularly using Data Pump.
- C. Use a third-party ETL tool to extract data from Autonomous Database and load it into Google BigQuery.
- D. Use Oracle Data Integration Platform Cloud (DIPC) to replicate the data to a Google Cloud SQL instance.

Answer: A

Explanation:

Here's why:

Oracle Interconnect for Google Cloud: This service provides a dedicated, private connection between OCI and Google Cloud. This direct interconnection minimizes latency significantly compared to transferring data over the public internet. Crucially, it also avoids data egress charges from OCI, as the data remains within the interconnected network. This is the key advantage for cost optimization. By accessing the database remotely, you are processing the data in place, avoiding any transfer costs from OCI.

Why other options are less optimal:

A). Export data from Autonomous Database to Google Cloud Storage regularly using Data Pump: This involves transferring large amounts of data across the public internet, incurring egress costs from OCI. It also introduces latency due to the data transfer process. Regular exports also mean data is not live and can be outdated.

B). Use Oracle Data Integration Platform Cloud (DIPC) to replicate the data to a Google Cloud SQL instance: Similar to option A, this involves data transfer and replication, incurring egress costs from OCI and introducing latency. Maintaining a replicated database also adds complexity and cost.

D). Use a third-party ETL tool to extract data from Autonomous Database and load it into Google BigQuery: This option also requires data extraction and loading, resulting in egress costs from OCI and increased latency. Using a third-party tool also adds another layer of cost and management.

NEW QUESTION # 46

When planning for disaster recovery for your federated identity solution with OCI, what is the most crucial consideration?

- **A. Ensuring the high availability of the IdP.**
- B. Implementing a backup and restore solution for the OCI Identity Domain configuration.
- C. Configuring a secondary OCI Identity Domain in a different region.
- D. Establishing a direct connection between OCI and the IdP's data center.

Answer: A

Explanation:

Here's why:

In a federated setup, the Identity Provider (IdP) is the critical component for authentication. If the IdP is unavailable, users will not be able to authenticate and access OCI resources, regardless of the availability of OCI itself. Therefore, ensuring the IdP's high availability is paramount for disaster recovery.

Here's a breakdown:

IdP as the Single Point of Authentication: OCI relies on the IdP to authenticate users. If the IdP is down, the authentication flow breaks, and no one can access OCI resources that require authentication.

Focus on IdP Resilience: Disaster recovery planning should primarily focus on ensuring the IdP's resilience. This often involves:

Redundancy: Implementing redundant IdP servers or services in different locations or availability zones.

Failover Mechanisms: Having automatic failover mechanisms to switch to a backup IdP instance in case of a primary outage.

Disaster Recovery Site: Having a disaster recovery site for the IdP in a geographically separate location.

Why other options are less crucial as the most important consideration:

B). Configuring a secondary OCI Identity Domain: While having a secondary OCI Identity Domain could be part of a broader disaster recovery strategy for OCI resources, it doesn't address the core issue of authentication. If the IdP is down, users can't authenticate to any OCI Identity Domain.

C). Implementing a backup and restore solution for the OCI Identity Domain configuration: Backups are important, but restoring the OCI Identity Domain configuration won't help if the IdP is unavailable. The authentication process still depends on the IdP.

D). Establishing a direct connection between OCI and the IdP's data center: While a direct connection might improve performance, it doesn't directly address disaster recovery. If the IdP's data center is down, the direct connection becomes useless.

NEW QUESTION # 47

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