

# Prepare For WGU Cloud-Deployment-and-Operations Exam Offline

## **WGU D282: Cloud Foundations Exam 2025/2026 | 100% GUARANTEED PASS | BRAND NEW VERSION | Verified Questions & Correct Answers | Based on Official WGU Cloud Curriculum**

**1. What are the key differences between Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) in cloud computing?**

**Answer:**

IaaS provides virtualized computing resources over the internet, allowing users to manage operating systems, storage, and applications themselves. PaaS, on the other hand, offers a platform with tools and services to develop, test, and deploy applications without managing the underlying infrastructure directly.

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**2. How does the pay-as-you-go model in cloud computing benefit organizations financially?**

**Answer:**

The pay-as-you-go model allows businesses to pay only for the resources they actually use, which helps reduce capital expenditure. This model supports better budget management, reduces wasteful spending, and offers flexibility in scaling resources based on real-time demand.

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**3. What is the shared responsibility model in cloud security and why is it important?**

**Answer:**

The shared responsibility model outlines the division of security tasks between the cloud provider and the customer. While the provider secures the infrastructure, the customer secures their data and applications. This model ensures clarity in security roles and reduces vulnerabilities.

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### WGU Cloud Deployment and Operations Sample Questions (Q10-Q15):

#### NEW QUESTION # 10

(What is used to change stacks across multiple accounts and Regions in a single operation?)

- A. Nested stacks
- **B. StackSets**
- C. StackInstance
- D. Stack policies

**Answer: B**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

StackSets are used to change stacks across multiple AWS accounts and regions in a single operation, enabling centralized management of infrastructure deployments. StackSets allow administrators to create, update, or delete stacks consistently across specified accounts and regions. The WGU Cloud Deployment and Operations Study Guide (Section 5.4, StackSets) states, "StackSets provide the capability to manage and update stacks across multiple accounts and regions with a single operation, streamlining multi-region deployments." StackInstance, nested stacks, and stack policies do not support this multi-account, multi-region functionality.

#### NEW QUESTION # 11

(Which AWS service is used to provide remote workers with secure access to AWS resources?)

- A. NAT instance
- B. Transit Gateway
- C. Network Firewall
- **D. Client VPN**

**Answer: D**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

AWS Client VPN is used to provide remote workers with secure access to AWS resources by establishing a VPN connection to the VPC, ensuring encrypted access to private networks. The WGU Cloud Deployment and Operations Study Guide (Section 3.2, Client VPN) states, "Client VPN enables secure remote access to AWS resources within a VPC, using mutual authentication and encryption to protect data for remote workers." Transit Gateway manages inter-VPC routing, Network Firewall filters traffic, and NAT instances handle outbound internet access, none of which are designed for remote worker access.

#### NEW QUESTION # 12

(An administrator is unable to make an AMI public. What is the cause?)

- **A. Boot volume is encrypted**
- B. Paravirtual virtualization is used
- C. Legacy BIOS boot mode is used
- D. Bookmark is absent

**Answer: A**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract:

The inability to make an AMI public is caused by an encrypted boot volume. AWS does not allow AMIs with encrypted EBS snapshots to be shared publicly due to security constraints; sharing is limited to specific AWS accounts. The WGU Cloud Deployment and Operations Study Guide (Section 6.3, AMI Management) states, "An AMI cannot be made public if its boot volume is encrypted; encryption restricts sharing to authorized accounts only, requiring decryption keys to be managed separately." Legacy BIOS, paravirtual virtualization, and the absence of a bookmark do not impact AMI sharing.

### NEW QUESTION # 13

(Which two solutions should an administrator use to receive emails when a Lambda function returns an error?  
Choose 2 answers.)

- A. Amazon Simple Notification Service
- B. AWS CloudTrail
- C. Amazon Simple Queue Service
- D. Amazon CloudWatch

**Answer: A,D**

Explanation:

To receive emails when a Lambda function returns an error, the administrator should use Amazon CloudWatch to monitor the function's logs and metrics (e.g., errors) and Amazon Simple Notification Service (SNS) to send email notifications based on CloudWatch alarms. The WGU Cloud Deployment and Operations Study Guide (Section 4.3, CloudWatch and SNS) states, "CloudWatch can detect Lambda errors via logs and trigger an alarm, which integrates with SNS to send email notifications to subscribed endpoints, ensuring timely error alerts." SQS and CloudTrail are not designed for this notification workflow.

### NEW QUESTION # 14

(A company is using Route 53 for Domain Name System (DNS) hosting. The company requires a zone that should only be accessible from instances in a Virtual Private Cloud (VPC). Which type of hosted zone should be used?)

- A. DNS Zone
- B. Lightsail DNS Zone
- C. Public Hosted Zone
- D. Private Zone

**Answer: D**

Explanation:

A Private Hosted Zone in Amazon Route 53 should be used to restrict DNS resolution to instances within a Virtual Private Cloud (VPC), ensuring that the zone is only accessible internally. This isolates DNS services from public internet access. The WGU Cloud Deployment and Operations Study Guide (Section 3.1, Route 53 Hosted Zones) states, "A Private Hosted Zone in Route 53 limits DNS resolution to resources within a specified VPC, preventing external access and enhancing security for internal services." Public Hosted Zones, DNS Zones, and Lightsail DNS Zones do not provide this VPC-specific restriction.

### NEW QUESTION # 15

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