

Oracle 1Z0-1109-25復習内容 & 1Z0-1109-25日本語版



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Oracle 1Z0-1109-25 認定試験の出題範囲:

トピック	出題範囲
トピック 1	Using Code and Templates for Provisioning and Configuring Infrastructure: This domain evaluates the expertise of DevOps Engineers and Infrastructure Architects in deploying infrastructure using Infrastructure as Code (IaC) tools like Terraform. It focuses on automating resource provisioning with OCI Resource Manager to ensure consistent and efficient infrastructure setups.
トピック 2	Configuring and Managing Continuous Integration and Continuous Delivery (CI/CD): This section tests the knowledge of CI/CD Engineers and Automation Specialists in automating the software lifecycle using OCI DevOps Service. It includes managing source code repositories, configuring build deployment pipelines, and creating artifacts for automated deployments across environments.
トピック 3	Understand DevOps Principles and Effectively Work with Containerization Services: This section of the exam measures the skills of DevOps Engineers and Cloud Architects in applying DevOps methodologies and containerization practices. It covers implementing a microservices architecture, creating Docker containers, and managing Oracle Cloud Infrastructure Registry (OCIR) and Container Instances to streamline application deployment and scalability.
トピック 4	Managing Containers Using Container Orchestration Engine: This part assesses the abilities of Kubernetes Administrators and Containerization Specialists in managing Oracle Container Engine for Kubernetes (OKE). It covers cluster creation, scaling, upgrades, networking, storage, and security configurations to optimize containerized applications in OCI environments.
トピック 5	Implementing Monitoring and Observability (O&M): This section evaluates the expertise of Site Reliability Engineers (SREs) and Monitoring Specialists in tracking system performance using OCI Monitoring, Logging, and Events services. It analyzes metrics, logs, and events to maintain system reliability and troubleshoot operational issues effectively.

1Z0-1109-25日本語版、1Z0-1109-25勉強ガイド

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Oracle Cloud Infrastructure 2025 DevOps Professional 認定 1Z0-1109-25 試験問題 (Q51-Q56):

質問 # 51

As an engineer building and deploying applications using an OCI DevOps project, which two capabilities can help ensure the security and reliability of the code in the build and deployment pipelines? (Choose two.)

- A. Using version control tools like Git or SVN to track and manage changes in the codebase
- B. Using third-party tools like Ansible, Terraform, or OverOps to analyze code for security defects or bugs in code quality
- C. Using Application Dependency Management (ADM) to identify security weaknesses in software applications by checking their dependencies
- D. Using third-party tools like Sonatype, SonarQube, or OverOps to analyze code for security defects or bugs in code quality
- E. Using JIRA to track user stories and bug fixes in the development process

正解: C、D

解説:

Application Dependency Management (ADM) is a tool used to identify security weaknesses in software applications by analyzing their dependencies. Dependencies can often introduce vulnerabilities, and managing them properly is a critical part of ensuring application security.

Third-party tools like Sonatype and SonarQube can be used to analyze code for security defects or bugs in code quality. These tools help in identifying vulnerabilities, code smells, and other issues, which can improve the overall security and reliability of the code during the build process.

質問 # 52

Your team is responsible for deploying a new version of an application that is being used by your company's finance department. The application is critical to the department's operations, and any downtime could have serious consequences. What is the recommended approach in OCI for creating environments for this scenario?

- A. Deploy the application to two separate OCI tenancies to ensure complete isolation between environments.
- B. Configure two OKE clusters, selecting the blue-green traffic shift strategy using a load balancer.
- C. Use a single OCI region and create two separate Virtual Cloud Networks (VCNs), one for the blue environment and one for the green environment.
- D. Use a single Kubernetes cluster with two node pools, one for the blue-green environment and one for the canary environment.

正解: D

解説:

For critical applications, such as the one used by the finance department, a blue-green deployment strategy is recommended to ensure minimal or zero downtime during upgrades. The blue-green strategy involves running two separate environments: blue (current version) and green (new version).

質問 # 53

As a DevOps engineer working on an OCI project, you're setting up a deployment pipeline to automate your application deployments.

Which statement is false about deployment pipeline in OCI DevOps?

- A. You can add a Wait stage that adds a specified duration of delay in the pipeline.
- **B. Using deployment pipeline, you can deploy helm charts in OCI Function.**
- C. You can add an Approval stage that pauses the deployment for a specified duration for manual decision from the approver.
- D. You can add a Traffic Shift stage that routes the traffic between two environments.

正解: B

解説:

Helm charts are used to manage Kubernetes deployments, not OCI Functions. Helm charts are deployed to Kubernetes clusters, such as OCI Container Engine for Kubernetes (OKE), to manage containerized applications. OCI Functions are serverless and do not use Helm charts for deployment.

質問 # 54

How can you run applications on GPU worker nodes in clusters created using Container Engine for Kubernetes (OKE)?

- A. By selecting a virtual node pool, a GPU shape, and a GPU image, and ensuring that the CUDA libraries are included in the application container
- B. By selecting a managed node pool, a GPU shape, and a GPU image, and ensuring that the CUDA libraries for different GPUs are pre-installed on the worker nodes
- C. By selecting a managed node pool, a GPU shape, and a GPU image, and specifying the number of CPU resources required in the pod spec
- **D. By selecting a managed node pool, a GPU shape, and a GPU image that has CUDA libraries pre-installed, and specifying the number of GPU resources required in the pod spec**

正解: D

解説:

To run applications on GPU worker nodes in Oracle Kubernetes Engine (OKE), you need to:

Select a managed node pool and choose a GPU shape for the worker nodes.

Use a GPU image that has the necessary CUDA libraries pre-installed to ensure that GPU workloads can be executed properly.

In the pod specification, specify the number of GPU resources required for the container to utilize the GPU hardware during execution. This allows Kubernetes to schedule the pod on a node with an available GPU.

質問 # 55

In Kubernetes clusters created by Container Engine for Kubernetes, how is data in etcd encrypted at rest by default?

- A. Using encryption keys managed by the user
- **B. Using encryption keys managed by Oracle using a master encryption key**
- C. No encryption applied
- D. Encryption using TLS certificates

正解: B

解説:

In Kubernetes clusters created by Oracle Container Engine for Kubernetes (OKE), data in etcd (the key-value store that holds cluster state and configuration data) is encrypted at rest by default using encryption keys managed by Oracle. Oracle manages the encryption using a master encryption key to protect sensitive data.

質問 # 56

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