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Question 1

Question Type: MultipleChoice

What cannot be specified in a Schema Document for Oracle Cloud Infrastructure (OCI) Re-source Manager?

Options:

- A- pattern validations for string-type variables
- B- information about the application such as its name, description, and version.
- C- permissions for which OCI users may provision the template
- D- a logo for the Resource Manager template
- E- dependency relationships between variables.

Answer:

E

Question 2

Question Type: MultipleChoice

Why is it important to extract output artifacts from the Oracle Cloud Infrastructure (OCI) DevOps build pipeline and store them in an Artifact Registry repository?

Options:

- A-** Storing build artifacts in registries helps the deployment pipeline differentiate output artifacts created by the build pipeline from artifacts copied from a Git repository.
- B-** All artifacts are permanently stored in the build pipeline. Extracting just the ones re-quired for deployment tells the deployment pipeline which artifacts to use.
- C-** Deliver Artifacts is a required stage of the build pipeline, and the entire pipeline won't work if it is not included in order to extract artifacts after the Managed Build stage.
- D-** Output artifacts aren't permanent. If they are to be used in the Deliver Artifacts stage, they need to be exported as output artifacts to a registry.

Answer:

C

Question 3

Question Type: MultipleChoice

A DevOps team has 50 web servers under their preview and they want to patch a server application. Which element of Ansible can be leveraged for this task and how would it help?

Options:

- A-** A playbook could be leveraged and executed against the group of web servers, as defined in the task list. Then, Ansible would connect to each server and apply the same set of commands.
- B-** A playbook could be leveraged to explain the series of plays and tasks that need to be run per server. Then, Ansible would connect with and configure each server's infrastructure automatically using YAML.
- C-** A playbook could be leveraged and executed against the group of web servers, as defined in the Inventory. Then, Ansible would connect to each server and apply the same set of configurations.
- D-** A playbook could be leveraged to perform ad hoc commands per server. Then, Ansible will automatically communicate with the servers and execute the ad hoc commands in the order defined.

Answer:

C

Question 4

Question Type: MultipleChoice

How does the Oracle Cloud Infrastructure Container Engine for Kubernetes (OKE) Cluster Autoscaler determine when to create new nodes for an OKE cluster?

Options:

- A- When the custom metrics from the services exceed a configured threshold.
- B- When the rate of requests to the application crosses a configured threshold.
- C- When the resource requests from pods exceed a configured threshold
- D- When the CPU or memory utilization crosses a configured threshold.

Answer:

C

Explanation:

The Kubernetes Cluster Autoscaler increases or decreases the size of a node pool automatically based on resource requests, rather than on resource utilization of nodes in the node pool. Reference: <https://docs.oracle.com/en-us/iaas/Content/ContEng/Tasks/contengusingclusterautoscaler.htm>

Question 5

Question Type: MultipleChoice

Which two statements are INCORRECT with respect to a Dockerfile? (Choose two.)

Options:

- A-** WORKDIR instruction sets the working directory for any RUN, CMD, ENTRYPOINT instructions and not for COPY and ADD instructions in the Dockerfile.
- B-** The RUN instruction will execute any commands in a new layer on top of the current image and commit the results.
- C-** The COPY instruction copies new files, directories, or remote file URLs from <src> and adds them to the filesystem of the image at the path <dest>.
- D-** If CMD instruction provides default arguments for the ENTRYPOINT instruction, both should be specified in JSON format.
- E-** An ENV instruction sets the environment value to the key, and it is available for the subsequent build steps and in the running container as well.

Answer:

A

Explanation:

The WORKDIR command is used to define the working directory of a Docker container at any given time. The command is specified in the Dockerfile. Any RUN , CMD , ADD , COPY , or ENTRYPOINT command will be executed in the specified working directory.

Reference: <https://www.geeksforgeeks.org/difference-between-the-copy-and-add-commands-in-a-dockerfile/>

Question 6

Question Type: MultipleChoice

You are a developer and have been asked to develop an e-commerce website for your organization. It must support a variety of clients including desktop browsers, mobile browsers and native mobile applications. Which two approaches can you use to build the application to achieve deployment independence, easier technology upgrades, and resiliency to architecture changes? (Choose two.)

Options:

- A-** Use monolithic approach to as it makes it easier to incrementally adapt to newer technology.
- B-** Use monolithic approach, as it allows you to easily redeploy your applications to perform frequent updates.
- C-** Implement each module as an independent service/process which can be replaced, up-dated, or deleted without disrupting the rest of the application:

- D- Build the application as a single unit and use container technology to deploy it.
- E- Use microservices architecture as it eliminates any long term commitment to a technology stack.
- F- Choose monolithic approach over microservices as it has better fault isolation capability.

Answer:

C, E

Question 7

Question Type: MultipleChoice

You have just run the managed build stage of an Oracle Cloud Infrastructure (OCI) DevOps Build Pipeline. The pipeline failed, because the code repository could not be accessed. What might the problem be?

Options:

- A- An administrator created the code repository policy in the parent compartment rather than the main working compartment.
- B- A deployment Dynamic Group was assigned an incorrect OCID for its compartment.
- C- More than one code repository was assigned to the DevOps project

D- A vault secret has an incorrect OCID assigned to it.

Answer:

D

Question 8

Question Type: MultipleChoice

A company is building an application and the team decides to deploy on Oracle Cloud Infra-structure (OCI) DevOps. They want to automate infrastructure and configure OCI resources. To achieve this, which tool should they use and why?

Options:

A- Ansible - In OCI, the 'Ansible Collection' automates infrastructure provisioning and configuring of OCI resources, such as Compute, Load Balancing, and Database services.

B- Terraform CLI - In OCI, Terraform is a configuration management tool that manages enterprise-scale server infrastructure with minimal human intervention using Infra-structure as Code (IaC)

C- Chef With the OCI DevOps service, users can manage OCI resources using the Chef Knife Plug-in, a CLI tool that provides help with managing repositories and automating infrastructure.

D- Jenkins-In OCI, Jenkins is an automation tool for configuration management that fo-cuses on automating delivery and management of entire IT infrastructure stacks.

Answer:

A

Question 9

Question Type: MultipleChoice

What is a prerequisite for creating a secret in Oracle Cloud Infrastructure Vault service?

Options:

- A-** You must create a digest hash of the secret value.
- B-** You must unseal the Vault by using Shamir's secret sharing
- C-** You must have a Vault managed key to encrypt the secret.
- D-** The user must create a compute instance to run the secret service.

Answer:

C

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