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IBM CAD201EN
Introduction to Cloud Native, DevOps, Agile, and NoSQL

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Module 1 - Graded Quiz

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Graded Quiz due Dec 9, 2023 21:58 IST   Completed

Question 1

1.0/1.0 point (graded)
Which of the following cloud deployment models makes use of cloud services through the open internet on cloud provider-owned hardware?

- ◯ Community cloud

- ◯ Private cloud

- ◯ Hybrid model

- ⦿ Public cloud

✓

Answer
Correct:
Public cloud model makes use of cloud services through the open internet on cloud provider-owned hardware, but other companies share its usage.

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Question 2

1.0/1.0 point (graded)
What does Broad Network Access mean?

- ◯ Monitoring and measuring the resources.

- ◯ Gives cloud providers economies of scale.

- ◯ Accessing more resources at the time of need

- ⦿ Accessing computing resources through standard mechanisms and platforms

✓

Answer
Correct:
Broad Network Access is accessing cloud computing resources through the network using standard mechanisms and platforms.

Submit	You have used 1 of 2 attempts

Question 3

1.0/1.0 point (graded)
Which layer of the cloud native stack defines the environment?

- ◯ Application code layer

- ◯ Scheduling and orchestration layer

- ◯ Application and data services layer

- ⦿ Cloud infrastructure layer

✓

Answer
Correct:
The cloud infrastructure layer defines the environment. Public, private, hybrid, and multi-cloud environments are all supported by cloud native apps.

| Submit | You have used 1 of 2 attempts |

Question 4

1.0/1.0 point (graded)
Cloud native applications consist of microservices working together to comprise an application. Where are the microservices typically packaged?

○ Sandbox

○ Libraries

○ Vaults

🔘 Containers

✓

Answer
Correct:
Microservices are put in containers, which are executable units of software where the application code is packaged with its libraries and dependencies to run anywhere.

| Submit | You have used 1 of 2 attempts |

Question 5

1.0/1.0 point (graded)
Which of the following cloud native solution stacklayers holds the cloud native apps?

○ The cloud infrastructure layer

○ The scheduling and orchestration layer

○ The application runtimes layer

🔘 The Application Code layer

✓

Answer
Correct: The Application Code layer holds the cloud native apps.

| Submit | You have used 1 of 2 attempts |

Question 6

1.0/1.0 point (graded)
Which of the following is an effort that CNCF considers their responsibility?

○ Reviewing project submissions

○ Developing new technology

○ Making cloud native computing ubiquitous

🔘 Making technology accessible and reliable.

✔

Answer
Correct:
To achieve its goals, the CNCF considers itself responsible for making technology accessible and reliable.

Submit   You have used 2 of 2 attempts

Question 7

1.0/1.0 point (graded)
CNCF technology projects progress through three ascending stages. Which of the following is the middle stage?

○ Submission

○ Graduate

○ Sandbox

🔘 Incubated

✔

Answer
Correct:
The CNCF technology projects have three stages: Sandbox, Incubated, and Graduated, listed from low to high maturity.

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Question 8

1.0/1.0 point (graded)
True or False: CNCF technology provides marketing and promotion efforts by the maturity of the project.

🔘 True

○ False

✔

Answer
Correct: The more mature the project is, the more marketing and promotion effort CNCF provides.

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Question 9

1.0/1.0 point (graded)
The app modernization effort affects which stages of application development?

○ Cloud Native, Cloud Ready, Traditional

○ Innovation, Agile Delivery, Cost Reduction

⭘ Refactor, Repackage, Test

🔵 Build, Deploy, and Run

✔

Answer
Correct:
The app modernization effort affects the build, deploy, and run stages of application development.

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Question 10

1.0/1.0 point (graded)
Which of the following modernization patterns involves breaking down a monolithic application into small, loosely coupled microservices aligned to a feature or business function?

⭘ Strangle the monolith

⭘ Exposing APIs

⭘ Migrate monolith to a cloud runtime

🔵 Refactor to microservices

✔

Answer
Correct:
Refactoring the application to microservices is one of the most popular modernization patterns. Each microservice can be aligned to a feature or a business function.

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