

<b>Started on</b>	Wednesday, 4 December 2024, 4:04 PM
<b>State</b>	Finished
<b>Completed on</b>	Wednesday, 4 December 2024, 4:07 PM
<b>Time taken</b>	3 mins 45 secs
<b>Grade</b>	<b>10.00</b> out of 10.00 (100%)

### Question 1

Correct

Mark 1.00 out of 1.00

What does a Procfile in Heroku specify?

Select one:

- ☐ a. The languages supported by the application
- ☒ b. The parts of the application that are runnable ✓
- ☐ c. The databases to be connected
- ☐ d. The external libraries required

Your answer is correct.

The correct answer is:

The parts of the application that are runnable

## Question 2

Correct

Mark 1.00 out of 1.00

What is a key characteristic of the PaaS model according to the NIST definition?

Select one:

- ☐ a. Consumers directly control the networking and storage.
- ☒ b. Consumers can deploy applications using provider-supported tools. ✓
- ☐ c. Consumers own the physical machines and virtual machines.
- ☐ d. Consumers manage the underlying cloud infrastructure.

Your answer is correct.

The correct answer is:

Consumers can deploy applications using provider-supported tools.

## Question 3

Correct

Mark 1.00 out of 1.00

What type of infrastructure does PaaS provide to developers?

Select one:

- ☐ a. End-user applications for direct use
- ☐ b. A locally hosted environment for application deployment
- ☐ c. A combination of storage and networking tools only
- ☒ d. A pre-configured cloud environment for application development ✓

Your answer is correct.

The correct answer is:

A pre-configured cloud environment for application development

#### Question 4

Correct

Mark 1.00 out of 1.00

How does PaaS compare to internally hosted development environments?

Select one:

- ☐ a. PaaS is accessible only through specialized local networks.
- ☒ b. PaaS allows developers to build applications using a web browser from anywhere. ✓
- ☐ c. PaaS requires developers to work from a single location.
- ☐ d. PaaS requires developers to manage hardware and software layers.

Your answer is correct.

The correct answer is:

PaaS allows developers to build applications using a web browser from anywhere.

#### Question 5

Correct

Mark 1.00 out of 1.00

Which of the following is an example of a dependency file in Python for Heroku?

Select one:

- ☒ a. requirements.txt ✓
- ☐ b. Gemfile
- ☐ c. pom.xml
- ☐ d. package.json

Your answer is correct.

The correct answer is:

requirements.txt

### Question 6

Correct

Mark 1.00 out of 1.00

Why is vendor lock-in a drawback of PaaS?

Select one:

- ☒ a. Applications are built specifically for the vendor's platform. ✓
- ☐ b. It limits scalability and resource allocation.
- ☐ c. It prevents the use of third-party development tools.
- ☐ d. It increases the cost of the underlying infrastructure.

Your answer is correct.

The correct answer is:

Applications are built specifically for the vendor's platform.

### Question 7

Correct

Mark 1.00 out of 1.00

Which of the following is not included in the PaaS component stack?

Select one:

- ☐ a. Development tools
- ☒ b. End-user applications ✓
- ☐ c. Middleware
- ☐ d. Operating systems

Your answer is correct.

The correct answer is:

End-user applications

### Question 8

Correct

Mark 1.00 out of 1.00

What are Dynos in Heroku?

Select one:

- ☐ a. Middleware components for scaling applications
- ☐ b. Configuration files required for deployment
- ☒ c. Isolated, virtualized Unix containers for running applications ✓
- ☐ d. Programming tools used to write source code

Your answer is correct.

The correct answer is:

Isolated, virtualized Unix containers for running applications

### Question 9

Correct

Mark 1.00 out of 1.00

What advantage does PaaS offer compared to managing on-premises infrastructure?

Select one:

- ☐ a. Improved security for stored data
- ☐ b. Full control over physical hardware
- ☒ c. Elimination of hardware and software management complexity ✓
- ☐ d. Simplified compliance processes

Your answer is correct.

The correct answer is:

Elimination of hardware and software management complexity

### Question 10

Correct

Mark 1.00 out of 1.00

What is a common drawback of the PaaS delivery model?

Select one:

- ☐ a. High initial hardware costs
- ☒ b. Vendor lock-in ✓
- ☐ c. Lack of scalability
- ☐ d. Limited access to operating systems

Your answer is correct.

The correct answer is:

Vendor lock-in

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