IBM
A1000-155
Assessment: IBM Liberty 2023 Cloud Native Java Developer

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Question: 1

Which Liberty feature provides support for the Jakarta EE Web Profile?

A. servlet-3.1
B. webprofile-8.0
C. javaee-8.0
D. jaxrs-2.1

Answer: C

Explanation:
The sjavaee-8.0' feature bundles the full Jakarta EE 8 Web Profile, including servlet, JSP, JAX-RS, and other specifications.

Question: 2

In Liberty's zero-migration philosophy, how are new capabilities introduced without breaking existing applications?

A. By automatically upgrading all applications to the latest version
B. By adding new, versioned features that must be explicitly enabled
C. By removing deprecated APIs from the runtime
D. By forcing developers to rewrite configuration files

Answer: B

Explanation:
New capabilities are delivered as separate, versioned features. Existing applications continue to run unchanged unless the new feature is explicitly added.

Question: 3

Which configuration element in 'server.xml' defines the order in which Liberty processes feature dependencies?

A. '<featureManager>'
B. '<feature>'
C. '<library>'
D. '<classloader>'

Answer: A

Explanation:
The '<featureManager>' element liqs features in the order they should be loaded, handling dependencies automatically

Question: 4

Which Java runtime is renmmended for Liberty in cloud-native deployments due to its fast startup and low memory footprint?

A. OpenJDK HotSpot
B. Oracle JDK
C. OpenJ9 / IBM Semeru
D. GraalVM

Answer: C

Explanation:
OpenJ9 (IBM Semeru) is optimized for conäiner environments, offering rapid startup and reduced memory consumption, making it ideal for Liberty.

Question: 5

Which of the following best describes a cloud-native microservice architecture?

A. Monolithic applications running on a single VM
B. Small, independently deployable services that communicate over lightweight protocols
C. Large, tightly coupled services that share a common database
D. Applications that require manual scaling

Answer: B

Explanation:
Cloud-native microservices are small, independently deployable units that communicate via HTTP/REST, gRPC, or similar lightweight protocols.

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