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# **IBM A1000-155**

**Assessment: IBM Liberty 2023 Cloud Native Java Developer**



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## **Product Version**

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# Latest Version: 6.0

## 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 'javaee-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 lists features in the order they should be loaded, handling dependencies automatically

### Question: 4

Which Java runtime is recommended 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 container 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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