

Q1. Volume mapping maps the host server's directory into the Docker container. The data will remain in a safe and accessible place if you do which of the following?

Options

- Migrate the container
- Re-create the container
- Break the container
- Backup the container

Q2. I am setting my Kubernetes environment, but i am concerned that someone could exploit my cluster and create 20000 ConfigMaps. Help me out to identify what would work?

1)Using the LimitRange I can prevent that.

2)By configuring network policies to specify the access permissions for groups of pods

Options

- Only Option 1 is sufficient
- Only Option 2 is sufficient
- Both will be necessarily required
- None of the Options will serve

Q3. Your organization has a requirement to enrich sensor device profile data contained in a database that includes details such as location, device model, etc. from the data coming in from sensor devices that capture environmental data. Which of the following scenarios would best answer this requirement?

#### Options

- Produce the data coming from the sensor devices into a Kafka topic using the Message Queuing Telemetry Transport (MQTT) proxy and as an intermediate step, <br> enrich each sensor data record using the Java database connectivity (JDBC) source connector to access the sensor device profile data combined with multiple single message transforms (SMT).
- Produce the data coming from the sensor devices into a Kafka topic using the MQTT proxy.
- Produce the sensor device profile data into a second Kafka topic using the JDBC source connector. <br> Write a Kafka streams application to enrich the sensor data records with the sensor device profile data and write this out to a third Kafka topic.
- Produce the data coming from the sensor devices into a Kafka topic using the MQTT connector and as an intermediate step, <br> enrich each sensor data record using the JDBC sink connector to access the sensor device profile data combined with multiple SMTs.
- Write a Kafka producer client that captures the sensor device data using the MQTT proxy and enriches each record using sensor device profile data that it directly accesses from the source database. <br> The enriched records will then be produced into a Kafka Topic.

Q4. package com.training;

```
public class TestBean {
```

```
private int year;
```

```
private String happy;
```

```
public TestBean( String happy,int year) {
```

```
this.year = year;
```

```
this.happy = happy;
```



```
}
```

```
}
```

What is the correct way to write constructor injection?

#### Options

< bean name="testClass" class="com.training.TestBean" ><br>< constructor-arg  
○ type="java.lang.String" value="Happy new year"/><br>< constructor-arg type="int"  
value="2015"/><br></bean ><br>

< bean name="testClass" class="com.training.TestBean" ><br>< constructor-arg type="int"  
○ value="2015"/><br>< constructor-arg type="java.lang.String" value="Happy new year"/>  
<br></bean ><br>

< bean name="testClass" class="com.training.TestBean" ><br>< constructor-arg index="0"  
 ○ value="Happy new year"/><br>< constructor-arg index="1" value="2015"/><br></bean >  
<br>

● All of the above

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Q5. How can you make sure your Docker containers and their data are safely backed up?

## Options

- Data stored in Docker containers should be backed up to Docker Hub.
- Schedule regular backups
- Backup the /var/lib/docker/ directory manually
- Set up volume mapping on all containers to store their data in a single location on the server (example, /data/) and backup this location.

Q6. Kubernetes has two logging strategies: passive and active.

If I am using active logging, which of following applies to setup?

Options

- Active logging is unaware of the logging infrastructure
- This is best practice as a part of the twelve-factor app.
- I cannot write directly to a database or index.
- Active logging is considered an antipattern, and it should be avoided.