

# **IBM**

## **Exam C5050-384**

### **IBM Cloud Platform Application Development v2**

**Version: 6.0**

**[ Total Questions: 56 ]**

**Question No : 51**

What can a user do after deploying a boilerplate application?

- A. Use IBM Cloud provided test data in the application.
- B. Copy the application to another IBM Cloud region using the dashboard.
- C. Connect additional managed services to the application.
- D. Choose the runtime they wish to use for that application.

**Answer: B**

**Explanation:**

**Explanation**

References: [http://www.learnquest.com/assets/pdfs/3\\_IBM\\_Bluemix\\_boilerplates.pdf](http://www.learnquest.com/assets/pdfs/3_IBM_Bluemix_boilerplates.pdf)

**Question No : 52**

A developer has an application and they wish to make it available as a service through IBM Cloud. Which two options are available for publishing the solution? (Select two.)

- A. IBM Cloud
- B. IBM SoftLayer
- C. IBM Cloud Marketplace
- D. IBM Connections Cloud
- E. IBM Bluemix PaaS as a third-party service

**Answer: C,E**

**Question No : 53**

An e-commerce web site currently consists of a 2-tier web application (app server + DB) deployed on IBM

Cloud: 1 webapp instance for the Java front-end and 1 Cloudant instance for the DB.

Immediately after deployment on Bluemix, the application fails to start. When reviewing the application logs the following excerpt is found:

App instance exited with guid 549fb650-8ded-43aa-b895-f230692be4b0 payload:

```
{... "index"=>0, "reason"=>"CRASHED", "exit_status"=>255,  
"exit_description"=>"out of memory",...}
```

How can the problem be fixed?

- A.** It looks like an internal Bluemix problem, open a ticket with IBM Support so they can fix it for you.
- B.** Use the IBM Static Analyzer for Bluemix to run a static code analysis on the entire web application to identify memory leaks.
- C.** Not enough memory is allocated to the application. Increase the memory either via the command line, in the manifest.yml file, or through the Bluemix console.
- D.** The application is overloaded with more requests than it can handle. Increase the number of instances either via the command line, in the manifest.yml file or through the Bluemix console.

**Answer: C**

**Explanation:**

**Explanation**

As the application fails to start the most likely cause of the problem is that the application does not have enough memory.

Note: Receiving an OutOfMemoryError normally means one of two things:

1. You heap size is not large enough for the memory requirement of the application.
2. You have a memory leak

The quickest thing to try would be to increase the memory allowance for your application, which will also

increase the Java heap size for you. You can do this using a "memory" entry in the manifest.yml.

For the second, you really need to generate a heapdump so that you can analyse the problem using Memory Analyzer.

References: <https://developer.ibm.com/answers/QUESTION NO:s/29036/out-of-memory-error-on-bluemix-app.html>

**Question No : 54**

A developer wants to deploy and start a large application to IBM Bluemix PaaS. When they

enter the command cf push appname, the following error is shown:

0 of 1 instances running, 1 starting 0 of 1 instances running, 1 down FAILED Start app timeout

What option is available for the developer to resolve the issue?

- A. Increase the start timeout in manifest.yml of the application.
- B. Increase the deploy timeout in manifest.yml of the application.
- C. Increase the upload timeout in manifest.yml of the application.
- D. Increase the staging timeout in manifest.yml of the application.

**Answer: A**

Reference: <http://www.paasmag.com/2015/06/22/resolving-bluemix-application-push-failures-application-startup-errors/>

**Question No : 55**

Which statement accurately describes IBM Cloud Continuous Delivery toolchains?

- A. Toolchains automate dependency management and testing.
- B. Toolchains combine the DevOps test and deploy phase of deploying software.
- C. Toolchains enable development organizations to standardize and scale their continuous delivery processes.
- D. Toolchains can be created in three ways: use a template, use a buildpack, or create the toolchain from an application.

**Answer: B**

**Explanation:**

**Explanation**

A toolchain is a set of tool integrations that support development, deployment, and operations tasks.

References: <https://www.ibm.com/devops/method/category/tools/>

**Question No : 56**

Based on the Twelve-Factor App methodology, where is the best place to store external configuration credentials in IBM Bluemix PaaS?

- A. in the source code
- B. in a user configuration file
- C. in an application database
- D. in the VCAP\_SERVICES environment variable

**Answer: D**

**Explanation:**

Provide any additional configuration information through the VCAP\_SERVICES environment variable. Services that are bound to an application also populate VCAP\_SERVICES with their configuration attributes.

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