

# C9510-401<sup>Q&As</sup>

IBM WebSphere Application Server Network Deployment V8.5.5 and Liberty Profile, System Administration

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**QUESTION 1**

A JAX-WS EJB stateless session bean web service needs to be accessed by consumers outside the corporate domain.

Which configuration will help a system administrator meet the requirement?

- A. Open firewall ports for both bootstrap and orb listener ports within the cell.
- B. Configure plug-in in the DMZ to send request to the cluster members.
- C. Configure on demand router (ODR) in the DMZ to send requests to the cluster members.
- D. Configure HTTP tunneling to send the client-side Object Request Broker (ORB) request to the server-side ORB.

Correct Answer: A

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**QUESTION 2**

The administrator needs to identify any security role references and security constraints in a web application.

How can the administrator identify these roles and constraints?

- A. ibm-application-ext.xml file using a text editor.
- B. ibmconfig folder in the application after using the EARExpander command.
- C. Web deployment descriptor using IBM Assembly and Deploy Tools.
- D. Security role to user/group mapping by using the Integrated Solutions Console (ISC).

Correct Answer: C

Securing web applications using an assembly tool. You can use three types of web login authentication mechanisms to configure a web application: basic authentication, form-based authentication and client certificate-based authentication. Protect web resources in a web application by assigning security roles to those resources.

References: [https://www.ibm.com/support/knowledgecenter/SS7JFU\\_8.5.5/com.ibm.websphere.nd.doc/ae/tsec\\_secweb\\_atk.html](https://www.ibm.com/support/knowledgecenter/SS7JFU_8.5.5/com.ibm.websphere.nd.doc/ae/tsec_secweb_atk.html)

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**QUESTION 3**

A system administrator needs to trigger a javacore only when a java.net.SocketTimeoutException is encountered in real time.

What does the administrator have to configure to trigger the javacore dump?

- A. Configure the JAVA\_DUMP\_OPTS environment variable to capture javacore for ANYSIGNAL and all exceptions.
- B. Configure an -Xdump:java Generic JVM argument on WebSphere Application Server with the filter for java.net.SocketTimeoutException.

C. Code wsadmin script to capture javacore and then execute it after the java.net.SocketTimeoutException has been encountered.

D. Use the log filter in HPEL to monitor for java.net.SocketTimeoutException and then gather a javacore dump from the Integrated Solutions Console (ISC).

Correct Answer: B

Dump agents are set up during JVM initialization. They enable you to use events occurring within the JVM, such as Garbage Collection, thread start, or JVM termination, to initiate one of four types of dump or to launch an external tool. Default dump agents are set up at JVM initialization. They are sufficient for most cases, but the use of the -Xdump option on the command line allows more detailed configuration of dump agents. The total set of options and sub-options available under -Xdump is very flexible and there are many examples presented in this chapter to show this flexibility.

Example: To generate system cores:

```
-Xdump:system:events=user
```

References: <http://www-01.ibm.com/support/docview.wss?uid=swg21242497>

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#### QUESTION 4

The computer where a federated node was running had a failure and cannot be recovered. A system administrator wants to recreate the node with the same configurations in another computer.

Which steps should the administrator execute in order to recover the damaged node?

A. Configure the new computer with a different hostname. Create a custom profile with the same name. Federate to the cell using the command addNode with the default options.

B. Configure the new computer with a different hostname. Create a custom profile with a different name. Federate to the cell using the command addNode with the option ?sExistingNode.

C. Configure the new computer with the same hostname. Create a custom profile with the same name. Federate to the cell using the command addNode with the option ?sExistingNode.

D. Configure the new computer with the same hostname. Create a custom profile with the same name. Federate to the cell using the command addNode with the options ?ncludeapps.

Correct Answer: C

You can use the -asExistingNode option of the addNode command to recover and move nodes of a deployment manager. Using the -asExistingNode option, federate a new custom node to a deployment manager as an existing node. During federation, the product uses information in the deployment manager master configuration to transform the custom node into the existing node.

References: [https://www.ibm.com/support/knowledgecenter/SSD28V\\_8.5.5/com.ibm.websphere.zseries.doc/ae/tagt\\_addNode\\_asExistingNode.html](https://www.ibm.com/support/knowledgecenter/SSD28V_8.5.5/com.ibm.websphere.zseries.doc/ae/tagt_addNode_asExistingNode.html)

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#### QUESTION 5

An organization updated their LDAP directories and modified user roles. The roles that were configured to have access to a highly secured enterprise application were deleted and new roles with new names were created. The application

then had security related exceptions.

How can a system administrator resolve the exceptions and restore security for the application?

- A. Modify the mapping of security roles of the application to the new LDAP roles.
- B. Modify the application and remove all security constraints and redeploy the application.
- C. Modify the application to have a runAs role for each new LDAP role and redeploy the application.
- D. Create an administrative authorization group with administrator privileges scoped for the application with an administrative group role for the new LDAP roles.

Correct Answer: A

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