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IBM WebSphere Application Server Network Deployment V9.0 Core Administration

IBM C9510-418

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QUESTION NO: 1

In an IBM WebSphere Application Server cluster, an administrator notices EJB requests are not evenly distributed on the cluster members during the load test.

What two things can the administrator verify in order to identify and resolve the issue? (Choose two.)

- A. Ensure Dynamic Workload Management is enabled.
- B. Ensure host scoped routing optimization is enabled.
- C. Ensure PMI Workload Management counters are enabled.
- D. Ensure each server in the cluster has an equal weighted value.
- E. Ensure the Web server plug-in is using the round robin algorithm.

ANSWER: A D**Explanation:**

A: Workload management optimizes the distribution of client processing tasks. Incoming work requests are distributed to the application servers, enterprise beans, servlets, and other objects that can most effectively process the requests.

D: The server weighted round robin routing policy ensures a balanced routing distribution based on the set of server weights that have been assigned to the members of a cluster. For example, if all servers in the cluster have the same weight, the expected distribution for the cluster is that all servers receive the same number of requests. If the weights for the servers are not equal, the distribution mechanism sends more requests to the higher weight value servers than the lower weight value servers. The policy ensures the distribution that you want, based on the weights that are assigned to the cluster members.

Reference: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/crun_srvgrp.html

QUESTION NO: 2

What is a benefit of using the IBM Extended Cache Monitor?

- A. It invalidates cacheids.
- B. It displays the contents of the cache instances.
- C. It displays the contents of object cache instances.
- D. It displays the dependency ids of the cache instances.

ANSWER: C**Explanation:**

The IBM Extended Cache Monitor for IBM WebSphere Application Server provides you with two functions that are not available with the cache monitor that is supplied with WebSphere Application Server. These two functions enable you to: display the contents of object cache instances

display the Dynamic Cache mbean statistics for cache instances

Reference: https://www.ibm.com/developerworks/websphere/downloads/cache_monitor.html

QUESTION NO: 3

Which two methods are used for communicating session linkages between the client and the server? (Choose two.)

- A. Cookies
- B. LTPA Token
- C. Rest Services
- D. URL Rewriting
- E. HTTP Response codes

ANSWER: C E**Explanation:**

Representational State Transfer (REST) is a lightweight framework for designing applications that use HTTP to make calls. REST uses HTTP to perform the Create, Read, Update, and Delete (CRUD) operations between client and server. Applications interact with the services by using HTTP, POST, PUT, GET, and DELETE operations.

Reference: https://www.ibm.com/support/knowledgecenter/en/SSZLC2_7.0.0/com.ibm.commerce.webservices.doc/concepts/cwvrest.htm

QUESTION NO: 4

To ensure that all web traffic is secure from the client to the application server, which two layers have to be configured for SSL? (Choose two.)

- A. Client to Web server
- B. Web server to node agent
- C. Web server to application server
- D. Application server to node agent
- E. Node agent to deployment manager

ANSWER: A C

Explanation:

Reference: <https://www-01.ibm.com/support/docview.wss?uid=swg27036662&aid=1>

QUESTION NO: 5

What is a prerequisite for creating a dynamic cluster?

- A. Create and verify the service policies.
- B. Verify that the administrator has Operator privileges.
- C. Verify the application placement controller is enabled.
- D. Make sure there are less than 30 core group members in the cell.

ANSWER: C**Explanation:**

Verify that the application placement controller is enabled. The application placement controller is enabled by default. The application placement controller enables the autonomic capabilities of dynamic clusters.

Incorrect Answers:

B: You must have configurator administrative privileges to create a dynamic cluster.

Reference: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/twve_odrdynamiccluster.html

QUESTION NO: 6

When installing applications to IBM WebSphere Application Server, what is one important difference between RAR files and SAR, WAR, EAR, and JAR files?

- A. They contain no Java code.
- B. They are deployed to the web server.
- C. They can be installed at different scopes.
- D. They use a different compression protocol.

ANSWER: B**QUESTION NO: 7**

What does the `-Dcom.ibm.websphere.alarmthreadmonitor.generate.javacore` JVM argument do?

- A. Creates a javacore dump when a thread is hung
- B. Generates a Trace message that a javacore should be generated
- C. Generates a SystemOut message that a javacore should be generated
- D. Allows the administrator to choose whether or not to generate a javacore when a hang is detected

ANSWER: A

Explanation:

If you want to monitor the activity of threads on which system alarms execute, add the following JVM generic arguments to the server settings.

```
-Dcom.ibm.websphere.alarmthreadmonitor.generate.javacore
```

Set to any value to cause a javacore dump to be created when an hung system alarm thread is detected. The threads section of the javacore dump can be analyzed to determine what the reported thread and other related threads are doing.

Reference: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/ttrb_confighangdet.html

QUESTION NO: 8

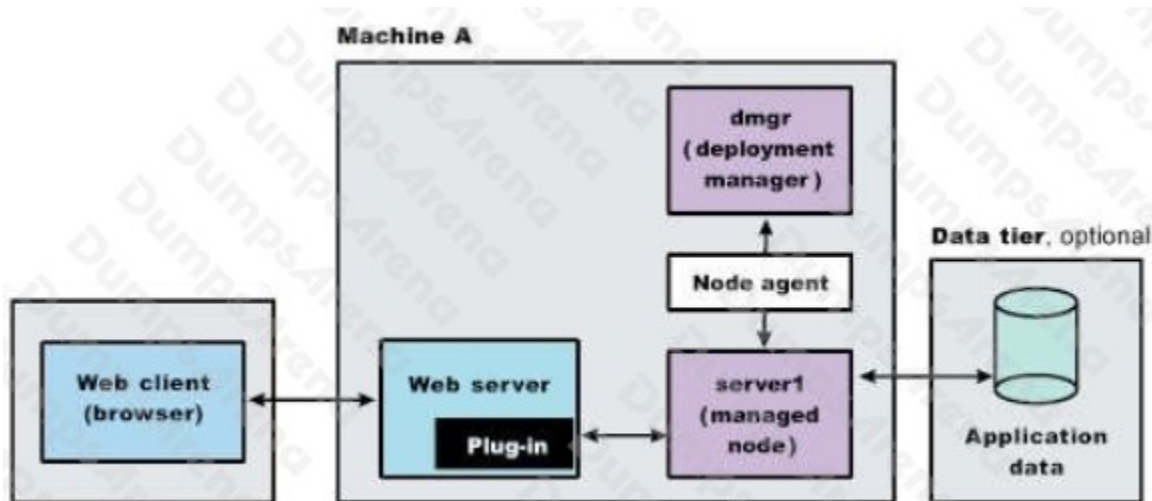
Which two statements describe a web server in a cell topology?

- A. Creating a new node for a web server adds a managed node.
- B. Creating a new node for a web server adds an unmanaged node.
- C. Adding a web server to an existing node creates a managed node.
- D. Deleting a web server from an unmanaged node creates a managed node.
- E. Deleting a web server from a managed node creates an unmanaged node.

ANSWER: A E

Explanation:

A managed node must exist to define a Web server definition, which is always on a managed node.



Reference: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/tins_webplugins_single.html

QUESTION NO: 9

When setting up high availability settings for the web server, at what level should an administrator configure the custom properties?

- A. cell
- B. node
- C. server
- D. nodeagent

ANSWER: C

Explanation:

Reference: https://www.ibm.com/support/knowledgecenter/en/SSAW57_8.5.5/com.ibm.websphere.nd.multiplatform.doc/ae/xrun_jvm.html

QUESTION NO: 10

Which two IBM WebSphere Application Server components should administrators consider when planning for a high availability environment? (Choose two.)

- A. User registries
- B. Messaging engines
- C. Caching proxy servers

D. Back-end servers, such as database, enterprise information systems, etc.

E. Containers, such as the web, Enterprise JavaBeans (EJB), and Session Initiation Protocol (SIP)

ANSWER: B E