



# 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**

In a test environment, a system administrator has configured an external HTTP server in the DMZ that is routing to a cluster of application servers. The administrator wants to achieve higher performance when routing and prioritizing incoming requests to the back- end cluster.

How can the system administrator achieve this task?

- A. Configure a cluster of external HTTP servers.
- B. Enable the prefer local option on the cluster members.
- C. Set up a Caching Proxy server between the external web server and the application server.
- D. Place an On Demand Router (ODR) between the external web server and the application servers.

Correct Answer: D

References: [https://www.ibm.com/developerworks/websphere/techjournal/1206\\_alcott/1206\\_alcott.html](https://www.ibm.com/developerworks/websphere/techjournal/1206_alcott/1206_alcott.html)

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**QUESTION 2**

A system administrator has created a wsadmin script with several steps to install and configure an application and some resources in a WebSphere Application Server process. The script executed but the application was not installed successfully. The administrator suspects that the script has problems.

How can the administrator test and debug the script?

- A. In WebSphere Application Server Developer Tools for Eclipse, right click on the script file and select Validate from context menu.
- B. Execute the script using the wsadmin with the option `-conntype NONE` and monitor the `commandAssistanceJythonCommands.log` file.
- C. Use WebSphere Application Server Developer Tools for Eclipse in the debug perspective connected to the server and execute the script step by step.
- D. Run the script using wsadmin with these parameters: `-lang jython -javaoption "-Xdebug"` and then execute the `logViewer` command with the option `-listInstances`

Correct Answer: C

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**QUESTION 3**

A WebSphere Application Server cell was configured with a deployment manager node and a custom node. An operator manually changed some configuration files in the custom node, and the node became out of synch with the master repository.

The system administrator used the Synchronize button in the system administration session of the Integrated Solutions

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Console (ISC) to try to resynchronize the node, but the node remained out of sync.

What should the administrator do to fix it?

- A. Use the Full Resynchronize button.
- B. Invoke "sync" operation on NodeSync MBean.
- C. Recreate the custom profile with the same name without deleting the node.
- D. Manually copy all the deployment manager configuration files to the custom node.

Correct Answer: A

Select "Full Resynchronize" in the console.

References: <https://www-01.ibm.com/support/docview.wss?uid=swg21233075>

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#### QUESTION 4

While monitoring a cluster in the cell, the administrator notices that one server in the cluster periodically loses connections to the database. When this happens, requests to the server have a significantly decreased response time and various error conditions are listed in the log files for the server. Since the error codes are returned quickly, the server starts returning responses faster than the average service times for the application. Due to this, the weight for the server is increased and a large percentage of incoming requests are being routed to the erroneous server and the server is getting overloaded with requests.

How can the administrator detect these conditions in the future and take action to prevent this problem?

- A. Configure the storm drain health policy.
- B. Configure the on demand router (ODR) transport chain to tune inbound connections.
- C. Monitor the JVM heap usage to determine a new server weight.
- D. Enable the PMI Extended statistic set and use the Connection Pool summary report.

Correct Answer: A

Storm drain condition tracks requests that have a significantly decreased response time. This policy relies on change point detection on given time series data.

References: [https://www.ibm.com/support/knowledgecenter/SSAW57\\_8.5.5/com.ibm.websphere.nd.doc/ae/cwve\\_odhealth.html](https://www.ibm.com/support/knowledgecenter/SSAW57_8.5.5/com.ibm.websphere.nd.doc/ae/cwve_odhealth.html)

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#### QUESTION 5

A system administrator suspects that the slow performance of an application might be caused by lock contention.

To debug this further, what can the administrator do using IBM Support Assistant?

- A. Analyze the running server using IBM Monitoring and Diagnostic Tools for Java ?Health Center.



- B. Collect a javacore and analyze it using IBM Monitoring and Diagnostic Tools for Java ?Health Center.
- C. Collect three thread dumps at equal time intervals and analyze them using IBM Monitoring and Diagnostic Tools for Java ?Dump Analyzer.
- D. Collect three system dumps at equal time intervals and analyze them using IBM Monitoring and Diagnostic Tools for Java ?Memory Analyzer.

Correct Answer: A

The IBM Monitoring and Diagnostic Tools for Java - Health Center is a lightweight tool that monitors active IBM Virtual Machines for Java with minimal performance overhead. The Health Center suggests live tuning recommendations for Garbage Collection, profiles methods including call stacks, and highlights contended locks. This information can help you optimize performance, improve stability and optimize system resource usage.

The tool is provided in two parts:

References: <https://www.ibm.com/support/knowledgecenter/SS3KLZ/com.ibm.java.diagnostics.healthcenter.doc/homepage/plugin-homepage-hc.html>

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