Vendor: IBM

Exam Code: C2180-318

Exam Name: IBM WebSphere Application Server Network Deployment V8.5, Core Administration

Version: Demo

QUESTION 1
An application development team has developed a new version of an application that needs to be rolled out to a selected group of users for testing while the other users can continue to access the old version of the application. What configuration should the system administrator do in order to achieve this?

A. Perform a rollout on an application edition.
B. Perform a rollout on an application edition and establish routing policies.
C. Install an application edition and establish routing policies.
D. Activate concurrent application editions and establish routing policies.

Correct Answer: D

QUESTION 2
In a test environment, a system administrator has configured an external HTTP in the DMZ that is routing to a cluster of application servers. The administrator wants to achieve high results and 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. Setup a Caching Proxy server between the external web server and the application server.
D. Place an On Demand Router (ODR) between the external web servers and the application servers.

Correct Answer: D

QUESTION 3
After deploying a new application to a high load production system, a memory leak has been detected which causes OutOfMemory exceptions. After fixing this, a system administrator needs to gather JVM heap dumps and restart the server in case a memory leak is detected in the future. How should the system administrator handle this without writing a script? Create a health policy which will:

A. send the SNMP trap to generate the heap dump and restart the server.
B. put the server in maintenance mode, gather JVM heap dump and restart the server.
C. take the server out of maintenance mode, gather JVM heap dump and restart the server.
D. use the Job Manager to put server in maintenance mode, gather JVM heap dump and restart the server.

Correct Answer: B

QUESTION 4
A system administrator has created a dynamic cluster in a production environment. During the autonomic server start and stop operations, it was observed that the server is taking more time than normal and the administrator is always called for manual start/stop of the servers. What should the system administrator tune to avoid manual intervention?

A. Health controller.
B. Dynamic workload controller.
C. Application placement controller.
D. On-demand configuration manager.

Correct Answer: C

QUESTION 5
Which statement is accurate regarding business-level applications?

A. A business-level application contains application binary files.
B. Only WebSphere artifacts are contained in a business-level application.

C. The business-level application function introduces new application programming interfaces (APIs).
D. Make a Java EE application a business-level application and add it to another business-level application.

Correct Answer: D

QUESTION 6
A developer has just given the system administrator an EAR file that needs to deployed to the application server. The developer tells the system administrator that the EAR requires a driver for the new XYZ database that has been tested. What additional steps must the system administrator take to ensure the EAR deploys successfully to the application server?

A. Create a data source and JDBC provider for the new database.
B. Create a data source and resource adapter for the new database.
C. Create a resource adapter and JDBC provider for the new database.
D. Create a resource adapter and JDBC reference for the new database.

Correct Answer: A

QUESTION 7
A system administrator has configured a clustered production WebSphere Application Server environment. The administrator is now tasked with deploying batch applications to the production environment and needs to run the batch jobs in parallel. Which of the following is a minimum requirement for the parallel job manager database configuration? One database:

A. for the cell.
B. per cluster.
C. per grid endpoint.
D. per application server.

Correct Answer: A

QUESTION 8
A system administrator needs to deploy an enterprise application to a WebSphere Application Server environment. Before starting the deployment process, the administrator uses the IBM Assembly and Deploy Tool (IADT) to inspect the EAR and notices that it is enhanced. Since enhanced EARs are not allowed in their runtime environment, the system administrator needs to unenhance the EAR. How can the system administrator successfully remove the enhancements?

A. Use WebSphere Customization Toolbox (WCT) to unenhance the EAR.
B. Disable the application scoped resources in the application deployment descriptor.
C. Remove the META-INF/ibmconfig folder from the project before exporting the EAR.
D. Make sure that Process embedded configurations is not selected when exporting the EAR.

Correct Answer: C

QUESTION 9
An enterprise application needs to be deployed into a production WebSphere Application Server environment. The EAR contains application scoped resources which will conflict with the resource definitions that already exist in the federated environment. How can the system administrator ensure that the enterprise application uses only the already existing resources?

A. Change the scoping for the existing resources to the cell level.
B. Check that the EAR file is not in the application server classpath.
C. Verify that the classpath does not include the folder containing the application scoped resources.
D. Make sure that Process embedded configuration is not selected during the deploy process.

Correct Answer: D

QUESTION 10
A system administrator is seeing data source naming exceptions during runtime and needs to check the JNDI name of the Java Transaction API (JTA) data source used within an Enterprise Java Beans (EJB) module. Which file should the administrator examine?

A. web.xml
B. persistence.xml
C. ibm-web-bnd.xmi
D. ibm-ejb-jar-bnd.xmi

Correct Answer: B

QUESTION 11
A system administrator has configured a clustered environment where session persistence is configured. While tuning the environment, the administrator enables verbose garbage collection. Now the administrator is seeing a high CPU usage for the servers in the cluster and begins seeing out-of- memory exceptions in the log files. How can the system administrator diagnose what is accumulating in the memory and causing the out-of-memory exceptions?

A. Enable High Performance Extensible Logging (HPEL).
B. Examine the verbose garbage collection statistics in the SystemOut.log files.
C. Use the Garbage Collection and Memory Visualizer tool in the IBM Support Assistant.
D. Disable verbose garbage collection and compare the before and after verbose garbage collection statistics.

Correct Answer: C

QUESTION 12
A system administrator needs to create a diagnostic trace for an application server which has a problem that occurs only infrequently. The desire is to limit the amount of space taken up by the trace output file but still ensure that the log includes the trace information recorded during the problem. What should the system administrator do to accomplish these goals?

A. Limit the Maximum Number of Historical Files to one.
B. Reduce the Maximum File Size to an amount just larger than the required trace log.
C. Configure the trace output to use a memory buffer and do a manual dump when the problem occurs.
D. Use the First Failure Data Capture (FFDC) feature to ensure the trace log is only capture on the first instance of the problem.

Correct Answer: C

QUESTION 13
A system administrator is asked to increase the logging level of an e-commerce application running on a production server to help developers troubleshoot a problem that is difficult to reproduce. The requester wants lengthy comprehensive logs to locate the root cause of the problem. The application is responsible for the online shopping experience of thousands of customers daily. The administrator is concerned about degrading performance of the application with the major shopping weekend approaching. How can the administrator address their performance concerns and satisfy the needs of the developers?

A. Enable Cross Component Tracing.
B. Enable the diagnostic trace service in-memory circular buffer.
C. Enable High Performance Extensible Logging (HPEL) and disable the HPEL text log.
D. Ask the developers to use the WebSphere Event Logging and redeploy the application.

Correct Answer: C

QUESTION 14
A system administrator has just deployed a couple of new applications in a test environment. The administrator now notices a number of out-of-memory exceptions in the various log files. The administrator

suspects that one or more of the newly installed applications might contain a memory leak that is causing the out-of-memory exceptions. How can the system administrator further investigate the out-of-memory problems?

A. Trigger a Javadump.
B. Install and use the Monitoring and Diagnostic Tools for Java.
C. Use the IBM Support Assistant Data Collector tool.
D. Use the Tivoli Performance Viewer Advisor and examine the memory leak advice.

Correct Answer: B

QUESTION 15
A system administrator wishes to use Cross Component Trace (XCT) to follow the end-to-end flow requests in a cluster. The administrator enables log and trace correlation, but cross component trace appears to lack the necessary request IDs. What additional step needs to be taken by the system administrator to have Cross Component Trace function as expected?

A. Enable the replication domain on the cluster.
B. Enable High Performance Extensible Logging (HPEL).
C. Add all cluster members to the same core group.
D. Verify all components are part of the same service integration bus.

Correct Answer: B

QUESTION 16
A system administrator was asked by the development team to inform them of any warning message which contains a string "Connection" on a WebSphere Application Server with High Performance Extensible Logging (HPEL) enabled. What should system administrator do to continuously monitor logs for the required message?

A. Configure log detail levels to include filter on "Connection" string.
B. Use the Log Viewer in the administrative console with filter on "Connection" string.
C. Use the logviewer.sh or logviewer.bat command with appropriate options.
D. Use the Log Viewer in the administrative console with filter on "Connection" string and enable the 'Refresh automatically' feature.

Correct Answer: C

QUESTION 17
A system administrator is planning to use Intelligent Management features in an existing cell with managed web servers running in the DMZ. The system administrator has created the On Demand Router (ODR) server, however, no traffic is routed to the application servers through the ODR. What should the system administrator configure to fix this issue?

A. Regenerate plugin-cfg.xml file and copy to the web servers.
B. Add web servers to the list of servers managed by the ODR.
C. Add web servers as secure proxies for the ODR, generate plugin-cfg.xml and copy to the web servers.
D. Add web servers to the list of servers managed by the ODR, generate plugin-cfg.xml and copy to the web servers.

Correct Answer: C

QUESTION 18
A system administrator created multiple production cells for a company. Each cell contains multiple clustered application servers. The administrator needs to configure an external HTTP server to route requests to the multiple cells. How can the system administrator configure a web server to route traffic to multiple unrelated cells?

A. Run the pluginMerge script.

B. Configure the plugin to use multiple plugin configuration files.

C. Generate a plugin configuration file using the deployment manager.

D. Use the WebSphere Customization Toolkit to create a customized plugin configuration.

Correct Answer: A

QUESTION 19
A system administrator is using wsadmin scripts to perform product configuration. The command connects to a target server by specifying the connection type (SOAP), target server, port number and script file. The scripts have been successfully tested in a standalone environment. But, after the node is federated, the updates made are only visible for a limited amount of time. What should the system administrator do to fix this problem?

A. wsadmin should target node agent.

B. Verify that deployment manager is set as the target server.

C. After running wsadmin, a syncNode command should be run.

D. Ensure that the deployment manager and node agents are synchronized before running the script.

Correct Answer: B

QUESTION 20
A system administrator is concerned about the stability of a new application deployment. The administrator wishes to utilize Intelligent Management to ensure at least two application servers are running at all times. How should the system administrator do this?

A. Create a static cluster of two WebSphere Application Servers instances.

B. Create a dynamic cluster with a minimum number of three cluster instances.

C. Create a health management policy to restart the application server in the event of excessive memory usage.

D. Configure an On-demand Router (ODR) to route requests to a static cluster of two WebSphere Application Server instances.

Correct Answer: B

QUESTION 21
A system administrator suspects that the web server plug-in is not configured correctly causing errors when attempting to access a Java servlet. Which component can the system administrator access directly to by-pass the plug-in and ensure the application is functional?

A. Web container

B. HTTP web server

C. Deployment manager

D. Enterprise Java Beans (EJB) container

Correct Answer: A

QUESTION 22
A system administrator is creating data source for a configured JDBC provider using administrative console. The system administrator needs to write a wsadmin Jython script to create data source in an automated way in the future. Which feature in administrative console will help the system administrator to view wsadmin commands during creation of the data source?

A. Help portlet after creating the data source.

B. Help portlet after creating the JDBC provider.

C. Command assistance feature after creating the data source.

D. Command assistance feature after creating the JDBC provider.

Correct Answer: C

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