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Oracle WebLogic Server 12c Essentials

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QUESTION 1

In WebLogic, the development feature to automatically load/refresh the changes of a Java classes at run time is called_____.

A. HotSwap

B. FastSwap

C. HotDeploy

D. FastDeploy

E. FastReload

Correct Answer: B

Using FastSwap Deployment to Minimize Redeployment

Java EE 5 introduces the ability to redefine a class at runtime without dropping its ClassLoader or abandoning existing instances. This allows containers to reload altered classes without disturbing running applications, vastly speeding up iterative development cycles and improving the overall development and testing experiences. The usefulness of the Java EE dynamic class redefinition is severely curtailed, however, by the restriction that the shape of the class its declared fields and methods cannot change. The purpose of FastSwap is to remove this restriction in WLS, allowing the dynamic redefinition of classes with new shapes to facilitate iterative development.

With FastSwap, Java classes are redefined in-place without reloading the ClassLoader, thereby having the decided advantage of fast turnaround times. This means that you do not have to wait for an application to redeploy and then navigate back to wherever you were in the Web page flow. Instead, you can make your

changes, auto compile, and then see the effects immediately.

Reference: Using FastSwap Deployment to Minimize Redeployment

QUESTION 2

You want to use WLST to view metrics for a running domain. Which command should you issue to navigate through the Mbean hierarchy containing the metrics?

A. runtime ()

B. runtimeMbeanServer ()

C. connectRuntime ()

D. beginRuntime ()

E. serverRuntime ()

Correct Answer: E

Similar to the configuration information, WebLogic Server runtime MBeans are arranged in a hierarchical data structure. When connected to an Administration Server, you access the runtime MBean hierarchy by entering the serverRuntime

or the domainRuntime command. The serverRuntime command places WLST at the root of the server runtime management objects, ServerRuntimeMBean; the domainRuntime command, at the root of the domain-wide runtime management objects, DomainRuntimeMBean.

Reference: WebLogic Scripting Tool, Browsing Runtime MBeans

QUESTION 3

Which action cannot be done in a scripted, automated fashion using WLST?

A. collecting run-time metrics and sending an email if user-defined thresholds are exceeded

B. configuring Clusters and Managed Servers

C. starting Managed Servers using the Node Manager

D. installing WebLogic binaries on a remote machine using Node Manager

E. configuring a Managed Server on a remote machine where the Node Manager is installed but no other Managed Servers from the domain exist

Correct Answer: ABC

A: * WLST can connect to individual Managed Servers to retrieve run-time data.

* The WebLogic Diagnostic Framework (WLDF) is a monitoring and diagnostic framework that can collect

diagnostic data that servers and applications generate. You configure WLDF to collect the data and store it

in various sources, including log records, data events, and harvested metrics.

B: WLST Online Sample Scripts example scripts include:

cluster_creation.py

Connects WLST to an Administration Server, starts an edit session, and creates 10 Managed Servers. It

then creates two clusters, assigns servers to each cluster, and disconnects WLST from the server.

C (not E, not D): You can use WLST to do the following with Node Manager:

*

 Start a Node Manager.

*

 Connect to a Node Manager, then use the Node Manager to start and stop servers on the Node Manager machine.

Reference; Oracle WebLogic Scripting Tool 12c

QUESTION 4

In the area of Performance Management and Diagnostics, which feature is supported in Oracle Enterprise Manager 12C?

A. Search information in logs across multiple domains

B. View different log information in single console location

C. Save current performance data as baseline to be used in comparison with future data

D. Provides single dashboard across multi-tier composite application

Correct Answer: A

QUESTION 5

You are configuring a JMS server with a need for load balancing the messages. To achieve the load balance you should _____and _____.

A. use regular queues and topics

B. use distributed queues and topics

C. not use subdeployments

D. disable server affinity

E. use message paging

Correct Answer: BC

Load Balancing for JMS

WebLogic Server JMS supports server affinity for distributed JMS destinations and client connections. (B,

not A)

By default, a WebLogic Server cluster uses the round-robin method to load balance objects. To use a load

balancing algorithm that provides server affinity for JMS objects (not D), you must configure the desired

method for the cluster as a whole.

Reference: Using Clusters for Oracle WebLogic Server 12c , Load Balancing for JMS