1Z0-599^{Q&As}

Oracle WebLogic Server 12c Essentials

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QUESTION 1

You want to create a WebLogic domain in a production environment. Which three actions should you perform?

A. Use a multinode WebLogic domain.

B. Use a single-node WebLogic domain.

C. Use clusters.

D. Refrain from using clusters.

E. Install WeLogic in production mode with CA signed certificates.

Correct Answer: ACE

Use multi-node and clustering to get performance suitable for a product environment.

QUESTION 2

What is the architectural benefit of keeping WebLogic Server transaction log in the database?

A. Oracle does not allow replicating files between data centers, so keeping transaction log in database allows for replication.

B. Many transactions in WebLogic are database centric, so keeping log in database makes Two Phase Commit protocol possible.

C. It obviates the need to keep in sync two replication technologies (file and database) between data centers. The single replication technology is used for frequently changing data.

D. Transaction log in a file system is extremely slow so it cannot be efficiently replicated.

Correct Answer: C

You can configure a JDBC TLOG store to persist transaction logs to a database, which provides the following benefits:

*

 Leverages replication and HA characteristics of the underlying database.

*

 Simplifies disaster recovery by allowing the easy synchronization of the state of the database and TLOGs.

*

 Improved Transaction Recovery service migration as the transaction logs to do not need to be migrated (copied) to a new location.

*

 You can configure a JDBC TLOG store to persist transaction logs to a database, which allows you to leverage

replication and HA characteristics of the underlying database, simplify disaster recovery, and improve Transaction Recovery service migration.

incorrect:

not B: Read-only, One-phase Commit Optimization requires Oracle DB 11.1.0.7.3PSU or above.

QUESTION 3

You want to capture WebLogic internal events correlated with JVM events for viewing offline. What three actions must you take to enable this within WebLogic?

A. Run WebLogic in a JRockit JVM and ensure the Flight Recorder is enabled.

B. Configure the WebLogic Diagnostic Framework Event Volume to Low, Medium, or High depending on the type of events you want to capture.

C. Configure the WebLogic Diagnostic Framework bridge to send events to the JRockit Flight Recording.

D. Take a dump from the default recording or create a new recording for the time period you want to capture.

Correct Answer: ABD

A: You can enable JFR at runtime to take JRA recordings from the JRockit Management Console. You also have the option of turning off the JFR and recordings at the JRockit JVM level from the java command line using:

$ java -XX:-FlightRecorder

B:

*

 In most environments, there is little performance impact when the Diagnostic Volume is set to Low and

the most performance impact if Diagnostic Volume is set to High. The volume of diagnostic data produced

by WebLogic Server needs to be weighed against potential performance loss.

*

 WLDF provides the Diagnostic Volume attribute to set the amount of code coverage that is enabled and

the amount of data provided in the events that are generated for the covered code The following code

example sets the volume to Medium:

. . .

connect()

edit()

startEdit()

cd("Servers/myserver")

cd("ServerDiagnosticConfig")

cd("myserver")

cmo.setWLDFDiagnosticVolume("Medium")

save()

activate()

D: Integrated with the WebLogic Diagnostic Image and Watch and Notification system

· Enables capture based on system state, event capture during event; no need to replicate · Watch for

stuck thread count, heap size increase, available memory, etc.

· Set up notifications: capture WLDF image

· Diagnostic image capture spurs JFR file generation; JFR file included in diagnostic image · Includes full

JFR data from all event generators

Note:

* WebLogic Diagnostic Framework (WLDF) provides specific integration points with JRockit Mission Control Flight Recorder. WebLogic Server events are propagated to the Flight Recorder for inclusion in a common data set for runtime or post-incident analysis.

Reference: Oracle Fusion Middleware Performance and Tuning for Oracle WebLogic Server, Tuning WebLogic Diagnostic Framework and JRockit Flight Recorder Integration

Reference: JRockit Flight Recorder and WebLogic Diagnostic FrameWork (WLDF) Integration

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QUESTION 4

What does the Fast Connection Failover feature of Active GridLink for RAC provide?

A. instant notification of a RAC node failure so applications never have to retry a transaction that was sent to a node that failed during the transaction

B. near-instant notification of the failure of a RAC node failure that minimizes the possibility connection to a failed node being provided to an application

C. application level notification of a failed RAC node such that an application can retry a transaction if required

D. faster failover for Multi Datasources

E. guaranteed transaction high availability when interacting with an Oracle RAC Database

Correct Answer: B

*

 WebLogic Server supports Fast Connection Failover, a Oracle feature which provides an application independent method to implement RAC event notifications, such a detection and cleanup of invalid connections, load balancing of

available connections, and work redistribution on active RAC instances.

*

 A GridLink data source uses Fast Connection Failover and responds to Oracle RAC events using ONS. This ensures that the connection pool in the GridLink data source contains valid connections (including reserved connections) without the need to poll and test connections

QUESTION 5

Identify four valid requests in a RESTful service using JAX-RS.

A. GET

B. PUT

C. UPDATE

D. DELETE

E. POST

F. REMOVE

Correct Answer: ABDE

The following principles encourage RESTful applications to be simple, lightweight, and fast:

*

 Resource identification through URI

*

 Uniform interface: Resources are manipulated using a fixed set of four create, read, update, delete operations: PUT, GET, POST, and DELETE. PUT creates a new resource, which can be then deleted by using DELETE. GET retrieves the current state of a resource in some representation. POST transfers a new state onto a resource. See Responding to HTTP Methods and Requests for more information.

*

 Self-descriptive messages

*

 Stateful interactions through hyperlinks

Reference: The Java EE 6 Tutorial, What Are RESTful Web Services?