1Z0-599^{Q&As}

Oracle WebLogic Server 12c Essentials

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QUESTION 1

In WebLogic 10.3.6 and 12c, transaction logs can optionally write to a JDBC store instead of a file store on the file system. Identify the three benefits as a result of this capability.

A. simplified disaster recovery architecture and efforts

B. better performance than writing logs to a file store

C. common storage of transaction logs with application data

D. common replication of transaction logs with application data

E. higher transaction throughput

Correct Answer: ACD

Comparing File Stores and JDBC-accessible Stores

The following are some similarities and differences between file stores and JDBC-accessible stores:

*

 (A) JDBC stores may make it easier to handle failure recovery since the JDBC interface can access the database from any machine on the same network. With the file store, the disk must be shared or migrated.

*

 The default persistent store can only be a file store. Therefore, a JDBC store cannot be used as a default persistent store.

*

 Both have the same transaction semantics and guarantees. As with JDBC store writes, file store writes are guaranteed to be persisted to disk and are not simply left in an intermediate (that is, unsafe) cache.

*

 Both have the same application interface (no difference in application code).

*

 (not B, not E) All things being equal, file stores generally offer better throughput than a JDBC store.

/ If a database is running on high-end hardware with very fast disks, and WebLogic Server is running on slower hardware or with slower disks, then you may get better performance from the JDBC store.

*

 File stores are generally easier to configure and administer, and do not require that WebLogic subsystems depend on any external component.

*

 File stores generate no network traffic; whereas, JDBC stores generate network traffic if the database is

on a different machine from WebLogic Server.

Reference: Configuring Server Environments for Oracle WebLogic Server 12c, Comparing File Stores and JDBC-accessible Stores

QUESTION 2

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 3

A customer needs to implement a Highly Available solution for JMS that has a primary data center and a backup. Which three steps would you perform when designing your solution?

A. Store Transaction Logs in a database and use Database stores for JMS to make replication between sites easier.

B. Use file based Transaction Logs and JMS stores and implement a separate replication solution for files in addition to database in case database replication fails.

C. Implement Oracle RAC at each site to provide a highly available solution within each datacenter.

D. Configure Whole Server Migration to migrate WebLogic Managed Servers from the primary to the secondary site.

E. Configure Automatic Service Migration for JMS high availability within a datacenter.

Correct Answer: ACE

Note:

WebLogic Server 12c Disaster Recovery
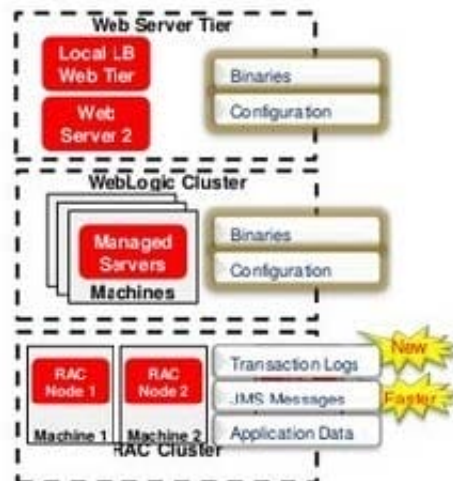
Features from WebLogic Server 10.3.6

Three-Tier Topology

Transaction Logs in Database
- Option to use DB instead of file store
- Enables common storage, replication with application and JMS data
- Configuration benefits
- Supported with RAC, Exalogic, Exadata
- Maximum performance with GridLink

JDBC Store Performance
- Optimizations for DB Store use cases
- Enabler for new DR architectures
- Supported with RAC, ExaLogic, Exadata
- Maximum performance with GridLink

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

Identify the two options that can be used to patch WebLogic Server without Incurring application downtime.

A. automated process using the Admin Server

B. automated using JDeveloper

C. manual process with or without Smart Update

D. scripted with WLST

E. automated process using Enterprise Manager 12c

Correct Answer: CD

Note:

* Rolling Upgrade is the process of upgrading a running WebLogic Server cluster with a patch, maintenance pack, or minor release without shutting down the entire cluster or domain. During the rolling upgrade of a cluster, each server in the cluster is individually upgraded and restarted while the other servers in the cluster continue to host your application.

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