1Z0-102^{Q&As}

Oracle WebLogic Server 11g: System Administration

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QUESTION 1

Which three statements are true about WebLogic clusters?

A. Clusters provide clients with transparent failover.

B. EJB applications can be targeted to an entire cluster.

C. All cluster members must bind to the same port number.

D. Cluster members replicate application data by using heartbeats.

E. Cluster members can be associated with one or more domains.

F. Web applications require a proxy in order to be used in a cluster.

Correct Answer: ABC

A: If an object is clustered, failover and load balancing for that object is available. In a WebLogic Server cluster, application processing can continue when a server instance fails. You "cluster" application components by deploying them on multiple server instances in the cluster--so, if a server instance on which a component is running fails, another server instance on which that component is deployed can continue application processing.

The choice to cluster WebLogic Server instances is transparent to application developers and clients.

B: A clustered application or application component is one that is available on multiple WebLogic Server instances in a cluster. If an object is clustered, failover and load balancing for that object is available. Deploy objects homogeneously--to every server instance in your cluster --to simplify cluster administration, maintenance, and troubleshooting.

Web applications can consist of different types of objects, including Enterprise Java Beans (EJBs), servlets, and Java Server Pages (JSPs).

Note: Load balancing and failover for EJBs and RMI objects is handled using replica-aware stubs, which can locate instances of the object throughout the cluster.

C: Cluster Multicast Address and Port

Identify the address and port you will dedicate to multicast communications for your cluster.

Incorrect answers:

D: Cluster heartbeats-- Each WebLogic Server instance in a cluster uses multicast to broadcast regular "heartbeat" messages that advertise its availability. By monitoring heartbeat messages, server instances in a cluster determine when a server instance has failed.

E: All server instances in a cluster must reside in the same domain; you cannot "split" a cluster over multiple domains. Similarly, you cannot share a configured resource or subsystem between domains.

F: Proxy might be needed depending how you set up the architecture, but a proxy is not required for web applications.

Reference: Using WebLogic Server Clusters , Understanding WebLogic Server Clustering

QUESTION 2

Indentify two requirements for in-memory session replication.

A. Clusters must contain an even number of members.

B. Web applications must be configured to use replication.

C. Web applications must be deployed as an archive file.

D. Cluster members must be started by using the Node Manager.

E. Web applications must be accessed via a proxy that supports session cookies

Correct Answer: BE

B: When in-memory replication is enabled for a web application, WebLogic Server copies session state from one server in the cluster (primary) to one other server

in the same cluster (secondary). The replica on the secondary server is kept up-to-date so that it may be used if the primary server fails.

E: To utilize in-memory replication for HTTP session states, you must access the WebLogic Server cluster using either a collection of Web servers with identically

configured WebLogic proxy plug-ins, or load balancing hardware.

If you choose to use load balancing hardware instead of a proxy plug-in, it must support a compatible passive or active cookie persistence mechanism, and SSL

persistence.

Note 1: In its default configuration, WebLogic Server uses client-side cookies to keep track of the primary and secondary server that host the client\\'s servlet session state. If client browsers have disabled cookie usage, WebLogic Server can also keep track of primary and secondary servers using URL rewriting. With URL rewriting, both locations of the client session state are embedded into the URLs passed between the client and proxy server. To support this feature, you must ensure that URL rewriting is enabled on the WebLogic Server cluster.

Note 2: To support automatic failover for servlet and JSP HTTP session states, WebLogic Server replicates the session state in memory. WebLogic Server creates a primary session state on the server to which the client first connects, and a secondary replica on another WebLogic Server instance in the cluster. The replica is kept up-to-date so that it may be used if the server that hosts the servlet fails. The process of copying a session state from one server instance to another is called in-memory replication.

Reference: eDocs Home > BEA WebLogic Server 8.1 Documentation > Using WebLogic Server Clusters > Failover and Replication in a Cluster, Failover and Replication in a Cluster

QUESTION 3

Which two statements are true about adding servers to a cluster?

A. When you create a cluster, you must add at least one server to it.

B. Only managed servers can be in a cluster.

C. The administration server is automatically added to a new cluster.

D. You must explicitly identify which servers belong to the cluster.

Correct Answer: AB

A cluster must include at least one server.

A clustered is administered through an administration server, but the cluster consists of managed servers only.

QUESTION 4

Which three statements are true about deployment plans?

A. A plan is an XML file.

B. A plan is packaged within an application archive.

C. You can generate a new plan with the administration console.

D. A plan is a required to deploy EJB applications and modules.

E. A plan may override values in an application\\'s deployment descriptors.

F. A single application deployment can be associated with multiple plans.

Correct Answer: ACE

A: A deployment plan is an XML document that defines an application\\'s WebLogic Server deployment configuration for a specific WebLogic Server environment.

C: The Administration Console updates or creates new deployment plans as necessary when you change configuration properties for an installed application.

E: A deployment plan can apply changes to deployment properties stored in the application\\'s existing WebLogic Server deployment descriptors. Incorrect answers:

B: A deployment plan resides outside of an application\\'s archive file.

Reference: Overview of WebLogic Server Application Development, Deployment Plans

QUESTION 5

YCMJ are viewing the deployments in the administration console. A web application that is targeted to the Managed Server named server01 has a State of "Now." Which statement best explains this State?

A. Server01 is running and the application has been installed.

B. Sarver01 is shut down and the application has been installed.

C. Server01 is running and the application has not been installed.

D. Server01 is shut down and the application has not been installed.

E. Server01 is running and the application was installed for the first time.

F. Server01 is running and the application has been installed, but is not servicing requests.

Correct Answer: E