

1Z0-102^{Q&As}

Oracle WebLogic Server 11g: System Administration

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QUESTION 1

Which three statements are true when an Administration Server is compared to a managed server?

- A. A domain must have at least one of each type of server.
- B. Administration Server keeps a domain log, but a Managed Server does not.
- C. A Managed Server keeps a server log, but an Administration Server does not.
- D. When a Managed Server comes up, it asks its Administration Server for the latest configuration.
- E. An Administration Server manages the domain configuration.
- F. JEE applications are deployed only to a Managed Server.

Correct Answer: DEF

D: When a Managed Server starts, it contacts the Administration Server to retrieve its configuration information. If a Managed Server is unable to connect to the specified Administration Server during startup, it can retrieve its configuration directly by reading a copy of the config.xml file and other files located on the Managed Server's own file system.

E: One instance of WebLogic Server in each domain acts as an Administration Server. The Administration Server provides a central point for managing a WebLogic Server domain.

F: For a typical production system, BEA recommends that you deploy your applications only on Managed Servers. This practice allows you to dedicate the Administration Server to configuration and monitoring of the domain, while one or more Managed Servers service your applications.

Incorrect answers:

A: In a domain with only a single WebLogic Server instance, that server functions both as Administration Server and Managed Server.

B, C: Many WebLogic Server operations generate logs of their activity. Each server has its own log as well as a standard HTTP access log. These log files can be

configured and used in a variety of ways to monitor the health and activity of your servers and applications.

Reference: Overview of WebLogic Server System Administration

QUESTION 2

As an Oracle WebLogic Server administrator, you are given an EAR file application to deploy. Identity three reasons for creating an EAR file first.

- A. After the .ear file has been deployed, the developer will not have to ask for your assistance to deploy it again.
- B. The EAR file is created to avoid namespace clashes in the Java code.
- C. The EAR file can contain multiple WAR, EAR, and other resources to easily bundle together.

D. The EAR file is required if you are deploying an application.

E. The EAR file can declare application-wide security roles definitions.

Correct Answer: ABE

E: An EARfile contains:

* Web module

A WAR file containing the view logics like JSPs, Servlets, Html contents. Every web module must have one Web Deployment descriptor placed inside "WEB-INF/

web.xml"

web.xml is a J2EE standard deployment descriptor. Among other settings, it has a set of elements for configuring security for the web application.

Note:

*

An EAR file provides a convenient way to bundle up all pieces of a J2EE application. It may contain Java Module, WAR Module or an EJB Jar module. An EAR can contain at least any one of these modules. EAR may contain more Modules as well.

*

To bring your portal online in a production environment, it is first necessary to prepare your portal application. Typical preparation steps include modifying deployment descriptors for the product, building the Enterprise archive (EAR) with all its pre-compiled classes, and deciding if you want to compress that EAR into an archive or leave it exploded.

Reference: Preparing and Deploying the EAR File

QUESTION 3

You run the following WLST script and it completes successfully. Which statement best describes what the script created?

```
Connect ('web', 'Welcome1', 't3:// 192.168.1.101:7001')

edit ( )
startEdit ( )

cd ( '/' )
cmo.createServer ('myserver')

cd ( '/Servers / myservers' )
cmo.setListenAddress ( '192.168.1.102' )
cmo.setListPort (8008)

save ( )
activate ( )
```

- A. A CMO named myserver with the listen address 192.168.1.102 and port 8008
- B. A Managed Server named myserver with the listen address 192.168.1.102 and port 7001
- C. A Managed Server named myserver with listen address 192.168.1.102 and port 8008
- D. An Administration Server named myserver with the listen address 092.168.1.102 and port

Correct Answer: C

A managed server (not a CMO, not an administration server) is created.

Port is 8008.

Note: Listing: Creating a Managed Server

```
connect("username","password")
```

```
edit()
```

```
startEdit()
```

```
svr = cmo.createServer("managedServer")
```

```
svr.setListenPort(8001)
```

```
svr.setListenAddress("my-address")
```

```
save()
```

Reference: WebLogic Scripting Tool, Using WLST Online to Update an Existing Domain

QUESTION 4

Identify three attributes of a WebLogic cluster.

- A. Listen Address
- B. Cluster Address
- C. Cluster Factory
- D. Messaging Mode
- E. Servers
- F. Targets

Correct Answer: BDE

WebLogic Cluster Attributes includes:

B: * ClusterAddress Defines the address to be used by clients to connect to this cluster. This address may be either a DNS host name that maps to multiple IP addresses or a comma separated list of single address host names or IP addresses. If network channels are configured, it is possible to set the cluster address on a per channel basis.

D: The Message Mode of a cluster can be either Unicast or multicast.

E: Managed Servers are included in a WebLogic cluster.

Note: The config.xml file is an XML document that describes the configuration of a WebLogic Server domain. config.xml consists of a series of XML elements. The Domain element is the top- level element, and all elements in the Domain descend from the Domain element. The Domain element includes child elements, such as the Server, Cluster, and Application elements. These child elements may have children of their own. For example, the Server element includes the child elements WebServer, SSL and Log. The Application element includes the child elements EJBComponent and WebAppComponent.

Each element has one or more configurable attributes. An attribute defined in config.dtd has a corresponding attribute in the configuration API. For example, the Server element has a ListenPort attribute, and likewise, the weblogic.management.configuration.ServerMBean has a ListenPort attribute. Configurable attributes are readable and writable, that is, ServerMBean has a getListenPort and a setListenPort method.

Reference: WebLogic Server Configuration Reference, Cluster attributes
http://docs.oracle.com/cd/E13222_01/wls/docs81/config_xml/Cluster.html#447012

QUESTION 5

You monitor a running JDBC data source with the console and note the following values:

Current Capacity = 10 Current Capacity High Count = 20

Identify two plausible explanations for these metrics.

- A. The pool size has increased.
- B. The pool size has decreased.
- C. The workload was higher than it is now.
- D. The workload was lower than it is now.

E. The statement cache size is 10.

F. The statement cache size is 20.

Correct Answer: BC

The pool size has decreased from a maximum 20 to 10.

The workload has been 20. Now it is 10. The workload was higher.

Note: Current Capacity: The current count of JDBC connections in the connection pool in the data source.

Current Capacity High Count: Highest number of database connections available or in use (current capacity) in this instance of the data source since the data

source was deployed.

Note:

Incorrect answers:

E, F: The statement cache deals with statements. Current capacity and Current Capacity High Count deals with connections.

Statement Cache Size shows the total number of statements to cache for each connection in each instance of the data source. WebLogic Server can reuse

statements in the cache without reloading the statements, which can increase server performance. Each connection in the connection pool has its own cache of

statements.

Reference: Administration Console Online Help, JDBC Data Source: Monitoring: Statistics

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