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Number: 1z0-468
Passing Score: 800
Time Limit: 120 min
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1z0-468

Oracle Cloud Application Foundation Certified Implementation Specialist

Version 1.0

Exam C

QUESTION 1 What three components are not part of EM and require separate installations?
(Choose two.)

- A. BTM Engine
- B. RUEI Engine
- C. JVM Diagnostics Engine
- D. Application Discovery and Performance Management Engine
- E. Ops Center

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

Reference: http://docs.oracle.com/cd/E24628_01/doc.121/e25353/overview.htm#EMCON109

QUESTION 2 What is the difference between Entry Processors and Aggregators?

- A. Entry Processors require a key or a set of keys, whereas Aggregators require filters.
- B. Entry Processors can skip the network by executing against near caches directly, whereas Aggregators must execute on storage members.
- C. Entry Processors are better suited to Map-Reduce operations than Aggregators.
- D. Aggregators are optimized for read-only access, whereas Entry Processors can modify cache entries.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.c2b2.co.uk/middleware-blog/do-coherence-aggregators-failover.php>



QUESTION 3 Which statement about JRockit Discovery Protocol (JDP) is true?

- A. JDP enables network auto discovery of JVMs.
- B. JDP is a subset of HTTP.
- C. JDP can be used by application to exchange serialized data between JVMs.
- D. JDP was initially introduced in the HotSpot VM 1.5.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://books.google.com.pk/books?id=Wyu4XHQQeFwC&pg=PT418&lpg=PT418&dq=Jrootkit+discovery+protocol+enables+network+auto+discovery+of+JVMs&source=bl&ots=fwYITNHe_J&sig=uiQ691dg60y4N7wPLhZu01oBr60&hl=en&sa=X&redir_esc=y#v=onepage&q=Jrootkit%20discovery%20protocol%20enables%20network%20auto%20discovery%20of%20JVMs&f=false

QUESTION 4 How would you create an SLA based on the “JVM Runtime Up” metric for a specific WLS server?

- A. Deploy JVM Diagnostics and set a threshold on the JVMD agent up time.
- B. Create a Service target that uses the WLS Domain as its system, and the JVM Runtime as its performance metric. Configure SLA by using that metric.
- C. Define a threshold on the metric on the All Metrics page, and define a rule to create an Event for that incident. Define an SLA on the count of Incidents.
- D. You cannot create an SLA on JVM-related metrics.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

Your application will store data in two partitioned caches, each configured for one backup. You have calculated the total amount of data to be 10 GB for the first cache, and 3 GB for the second cache. You plan to run 10 cache servers in total.

What is the minimum recommended JVM heap size for each cache server?

- A. 512 GB
- B. 1 GB
- C. 2 GB
- D. 4 GB

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Explanation:

When considering heap size, it is important to find the right balance. The lower bound is determined by per-JVM overhead (and also, manageability of a potentially large number of JVMs). For example, if there is a fixed overhead of 100MB for infrastructure software (for example, JMX agents, connection pools, internal JVM structures), then the use of JVMs with 256MB heap sizes results in close to 40% overhead for non-cache data. The upper bound on JVM heap size is governed by memory management overhead, specifically the maximum duration of GC pauses and the percentage of CPU allocated to GC (and other memory management tasks). Reference:

https://docs.oracle.com/middleware/1212/coherence/COHAG/tune_perftune.htm#COHAG217

QUESTION 6 Which type of appliance would you use to package custom applications into an appliance?

- A. WebLogic Server appliance
- B. external appliance
- C. generic appliance
- D. database appliance
- E. Oracle Tuxedo appliance



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.oracle.com/us/products/middleware/application-server/wls-virtualization-bwp-067889.pdf>

QUESTION 7

Which statement describes the difference between the Runtime Analyzer and JRockit Flight Recorder?

- A. Only Runtime Analyzer allows detailed heap analysis.
- B. Only Flight Recorder allows "back-in-time" analysis.
- C. Thread deadlock analysis is not possible in Flight Recorder.
- D. Flight Recorder cannot be run in an "always-on" mode.
- E. Flight Recorder causes significantly higher processor overhead than Runtime Analyzer.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://docs.oracle.com/cd/E15289_01/doc.40/e15070/introduction.htm

QUESTION 8

When an object placed into a cache implements the Java Runnable interface, Coherence will _____.

- A. immediately schedule it to be an on the service thread of the cache in which it was placed
- B. do nothing; Coherence does not differentiate between types of value objects
- C. ultimately attempt to run the object on a free worker thread associated with the service of the cache in which the object was placed
- D. hand the object over to the Invocation service to invoke the run method

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

What is the primary purpose of the Middleware Diagnostics Advisor (MDA) included in WLS Management Pack EE?

- A. to automate the SQL tuning process by comprehensively exploring all the possible ways of tuning a SQL statement
- B. to facilitate proactive performance and availability management by auto-finding problems and suggesting solutions
- C. to find configuration problems by comparing WLS configuration to a Gold Image configuration
- D. to provide comprehensive advice on how to optimize schema design in order to maximize application performance
- E. to analyze the EM configuration and suggest configuration changes that will extend the stability of EM

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Explanation: Reduce problem resolution time through middleware diagnostics advisor which provides "root cause" findings in context of the most relevant configuration parameters and offers suggestions for each finding.

Reference: <http://www.oracle.com/technetwork/oem/soa-mgmt/ds-em12c-wls-mgmt-pack-ee-1552456.pdf>

QUESTION 10 Which change cannot be made in an assembly at deployment time?

- A. setting the appliance's memory and CPU requirements
- B. changing the listening port of the product
- C. not deploying an appliance by setting its target count to zero
- D. not deploying an appliance by removing it from the assembly

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11 Identify four components of the Oracle Cloud Application Foundation.
(Choose four.)

- A. WebLogic Server
- B. Database
- C. Virtual Assembly Builder
- D. Exalogic Elastic Cloud Software
- E. Tuxedo
- F. Coherence

Correct Answer: ACEF

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.oracle.com/us/products/middleware/cloud-app-foundation/overview/index.html>

QUESTION 12 For operations that act on data that exists on multiple nodes, Coherence can do the processing in parallel, and put together the partial results from each node into a single result before sending it to the client.

Which feature in Coherence can be used to achieve this?

- A. Filters
- B. aggregators
- C. Indexes
- D. Entry Processors

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

When integrating a CacheStore with a database, which technique is correct for managing database connections?

- A. Use a connection pool provided by an application server, the JDBC driver, or a third party.
- B. Create a new connection every time a CacheStore method is invoked.
- C. Create a new connection in the CacheStore constructor and store a reference to it that can be accessed by the CacheStore methods.
- D. Configure Coherence to use its built-in capabilities to manage connections.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

An application frequently requests data (from a Coherence cache configured with a cache loader) that may not be available in the underlying data source. The cost of looking up data via the cache loader is expensive in terms of time and resources.

To reduce these costs, which configuration should be used to cache the notion that an entry is not available?

- A. Modify the application to maintain a "misses" cache to keep track of the entries that were expected to be found in the other cache, but were recently not found.
- B. Configure a "cache-miss-scheme" on the appropriate cache.
- C. Modify the cache loader to maintain a "map" of entries not found, and consult this map before attempting to load an entry from the external source.
- D. This can't be achieved with Coherence.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://docs.oracle.com/cd/E24290_01/coh.371/e22837/appendix_cacheconfig.htm#COHDG357

QUESTION 15 Which garbage collection scheme is exclusive to the HotSpot JVM?

- A. Single Generational Concurrent
- B. Garbage First
- C. Generational Concurrent
- D. Generational Parallel
- E. Soft Real-Time

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16 Which system property is used to customize a Coherence deployment configuration for different environments?

- A. `tangosol.coherence.cacheconfig`
- B. `tangosol.coherence.site`
- C. `tangosol.coherence.management`
- D. `tangosol.coherence.override`

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: http://docs.oracle.com/cd/E15357_01/coh.360/e15723/gs_config.htm#COHDG5011

QUESTION 17 Which two actions can be used to create/add an index in Coherence? (Choose two.)

- A. ValueExtractor
- B. Comparator
- C. QueryMap
- D. MapIndex
- E. SimpleMapIndex

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://coherence.java.net/assets/pdf/2011-11-04-Alexey-Ragozin-Advanced-Coherence-Indexes.pdf>

QUESTION 18

With which WLS license is WLS Management Pack EE included?

- A. WebLogic Suite
- B. WebLogic Server Standard Edition
- C. WebLogic Server Enterprise Edition
- D. WebLogic Server EE or WebLogic Suite
- E. WLS Management Pack is not included in any of the WLS packs

Correct Answer: C

Section: (none)

Explanation



Explanation/Reference:

Reference: <http://www.oracle.com/technetwork/oem/soa-mgmt/ds-em12c-wls-mgmt-pack-ee-1552456.pdf>

QUESTION 19 Which two components are required as part of any EM deployment? (Choose two.)

- A. Oracle Management Service
- B. Oracle Management Repository
- C. Oracle Ops Center
- D. BI Publisher
- E. Software Library

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

Reference https://docs.oracle.com/cd/B19306_01/em.102/b40103/pre-installation_requirements.htm#CHDEEJEB

QUESTION 20 Your data client query needs to produce a fast initial response. Which two approaches will optimize your query? (Choose two.)

- A. Use a LimitFilter to limit the result set returned.
- B. Use a near cache to cache results locally to be re-used.
- C. Wrap the filter by using a PartitionFilter.
- D. Re-order the filter criteria.
- E. Access the keys first and then the values.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21 Which configuration can be used for enabling Coherence as an L2 Cache?

- A.

```
@Entity
    @CacheInterceptor (CoherenceReadCustomizer.class)
public class Employee implements Serializable B.
@Entity
    @Customizer (CoherenceReadCustomizer.class)
public class Employee implements Serializable C.
@Entity
    @Customizer (CoherenceReadWriteCustomizer.class)
public class Employee implements Serializable D.
@Entity
    @CacheInterceptor (CoherenceInterceptor.class)
public class Employee implements Serializable
```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



Reference: <http://www.oracle.com/technetwork/middleware/ias/index-096228.html>

QUESTION 22 Which two JVM components can be configured to impact application performance? (Choose two.)

- A. Heap
- B. Local variables stack
- C. Class loader
- D. Bytecode interpreter
- E. Garbage Collector

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23 Which tool is not shipped with the JRockit JDK?

- A. Mission Control B. Flight Recorder
- C. Studio Profiler
- D. Memory Leak Detector

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: http://docs.oracle.com/cd/E13150_01/jrockit_jvm/jrockit/geninfo/diagnos/migrate.html

QUESTION 24 What information is needed in the process of creating a patch template for WLS Domain?

- A. one or more patches to apply
- B. the domain target
- C. stage directory (if not already staged)
- D. WLS Domain Administrator credentials, and Host credentials
- E. Patch Plan

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

Your application had experienced an `OutOfMemoryError` on one of the cache servers. You had configured the JVM to produce a heap dump when `OutOfMemoryErrors` occur. Your analysis of the heap dump indicates that approximately 90% of the heap is consumed by instances of `com.tangosol.util.Binary`.

What configuration change will reduce the number of `com.tangosol.util.Binary` instances? A.

Introduce a near cache for all partitioned caches.

B. Increase the size of the thread pool for all cache services.



- C. Increase the expiry delay on all distributed-scheme backing maps.
- D. Lower the high-unit threshold on all distributed-scheme backing maps.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26 Which component is optimized for the JRockit VM?

- A. swing-based desktop applications
- B. browser-based applets
- C. embedded devices
- D. server-side applications
- E. mobile phones

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Explanation:

The Oracle JRockit JDK includes the Oracle JRockit Java Virtual Machine (JVM), which is developed uniquely for server-side applications and optimized for Intel architectures, ensuring reliability, scalability, and manageability for Java applications.

Reference: http://docs.oracle.com/cd/E13150_01/jrockit_jvm/jrockit/webdocs/index.html



QUESTION 27

What agent is used to collect the WLS server metrics that are available on the WLS All Metrics page?

- A. ADP Agent
- B. JVM Diagnostics Agent
- C. BTM Agent
- D. EM Agent
- E. JVMD Agent

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28 Which three packages are available in the JRockit VM?
(Choose three.)

- A. java.io.*
- B. java.util.*
- C. java.swing.*
- D. java.sql.*
- E. java.awt.*

Correct Answer: ABE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29 What are the three business drivers for cloud computing?
(Choose three.)

- A. better resource utilization
- B. enterprise agility
- C. higher customer support quality
- D. ease of administration
- E. elastic scalability

Correct Answer: ADE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

You are doing capacity planning for a Coherence application with one distributed cache (dcache), and one replicated cache (rcache). You have one index on dcache, and dcache has `backup_count=1`. Your requirement is that you must be able to tolerate one machine failure with no loss of data. You have three machines, each with 4 JVMs of 8 GB.

What three factors do you take into consideration in case of machine failure? (Choose three.)

- A. Each cache server will be responsible for more primary and backup data from dcache.
- B. The size of index data in each cache server is likely to grow.
- C. The size of rcache on each node will grow.
- D. Updates to rcache will result in more network traffic per machine.
- E. Updates to dcache will result in more network traffic per machine.



Correct Answer: ABE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31 With which three tasks can JRockit Diagnostic Commands (JRCMD) be used?
(Choose three.)

- A. load testing
- B. heap analysis
- C. native memory tracking
- D. controlling JRockit Flight Recorder
- E. debugging with breakpoints

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

Reference <https://sourcevirtues.com/2012/06/21/jrockit-jrcmd-useful-commands/>

QUESTION 32

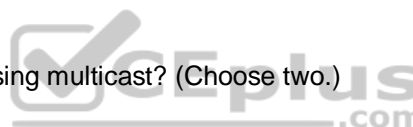
You have developed and tested your Coherence application on a single physical machine by using the following operational configuration:

```
<coherence>
  <cluster-config>
    <unicast-listener>
      <well-known-addresses>
        <socket-address id="1">
          <address></ address>
          <port>8088</port>
        </socket-address>
      </well-known-addresses>

      <address>127.0.0.1</address>
      <port>8088</port>
    </unicast-listener>

    <multicast-listener>
      <address>237.0.0.1</address>
      <port>22000</port>
      <time-to-live>0</time-to-live>
    </multicast-listener>
  </cluster-config>

  <logging-config>
    <severity-level>9</severity-level>
  </logging-config>
</coherence>
```



What two configuration changes must be made to run your application on multiple physical machines using multicast? (Choose two.)

- A. Lower the logging severity level to 3.
- B. Change the unicast listener address to a non-loopback address.
- C. Increase the multicast listener time-to-live value.
- D. Specify a list of well-known addresses.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

Reference https://docs.oracle.com/middleware/1212/coherence/COHAG/deploy_checklist.htm#COHAG5301

QUESTION 33 What is the main method used to collect the monitoring data of a Coherence cluster, its nodes, and caches?

- A. Enterprise Manager agent on every host, querying JMX data from nodes running on that host
- B. one central Enterprise Manager agent, querying JMX data from each node in the cluster
- C. JVMD agent collecting data through sampling of the JVM for each node
- D. Enterprise Manager agent on every host, querying JMX data from nodes running on the host, and a central Enterprise Manager agent querying JMX data from a management node for cluster-level
- E. one central Enterprise Manager agent querying JMX data from a single management node

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference http://docs.oracle.com/cd/E29505_01/install.1111/e24215/coherence_getstarted.htm

QUESTION 34 How many appliances can you deploy as part as an assembly?

- A. only one
- B. one to three
- C. one to five
- D. There is no predefined limit

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35 A company relies on third-party web services for data.

Which two Coherence features can be applied to shield its customers from anticipated spikes in demand of the web services, without suffering potential performance degradation? (Choose two.)

- A. dynamically increasing the partition count on a running server
- B. configuring an overflow scheme so that spikes are handled gracefully
- C. caching the results of the web service call with a configured expiration
- D. dynamically adding Coherence cache servers to the cluster

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:



QUESTION 36

What three components of WLS can be managed by the WLS Management Pack EE?

- A. Applications Deployments
- B. SOA Composites
- C. WLS Domains
- D. WLS Managed Servers
- E. Oracle ESB

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

Consider the following code:

```
NamedCache namedCache = CacheFactory.getCache ("stock");
Stock stock = (Stock) namedCache.get ("budgies");
stock.increment (1);
namedCache.put ("budgies", stock);
```

If the initial stock amount was 15, and 5 different clients (in different JVMs) attempted to execute the same code simultaneously, what would be the resulting level of stock?

- A. 20, because Coherence does implicit locking

- B. 15, because a concurrency control exception will be thrown
- C. 16, because of the lack of concurrency control
- D. undefined, because of the lack of concurrency control

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38 Which three plug-ins are pre-installed with EM 12c?

- A. Oracle Fusion Middleware
- B. Oracle Cloud Application
- C. Oracle Database
- D. Oracle MOS (My Oracle Support)
- E. Exalogic Elastic Cloud Infrastructure

Correct Answer: ADE

Section: (none)

Explanation

Explanation/Reference:

Reference: http://docs.oracle.com/cd/E24628_01/doc.121/e25353/overview.htm#EMCON109

QUESTION 39 Which plug-in does Oracle Traffic Director require you to install to load balance HTTP requests to WebLogic Server?

- A. mod_wls
- B. mod_weblogic
- C. mod_wl_ohs
- D. No plug_in is required
- E. mod_ohs_wl

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.oracle.com/middleware/1221/core/ASHIA/concepts.htm#ASHIA4419>

QUESTION 40 Assume that network latency between two data centers is 5 milliseconds with minimal packet loss. Identify two problems with running one Coherence cluster that spans these two data centers (Choose two.)

- A. Outage in the WAN link can cause split brain.
- B. Access and writes to data takes longer to complete.
- C. Total loss of power in one data center can lead to split brain.
- D. Network latency will lead to cluster instability.

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41 Which three generational spaces make up the HotStop heap?

(Choose three.)

- A. Young Generation
- B. Internal Generation
- C. Old Generation
- D. Permanent Generation
- E. Persistent Generation

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dynatrace.com/blog/how-garbage-collection-differs-in-the-three-big-jvms/>

QUESTION 42

Consider an application using a Coherence partitioned cache to store HTTP session data. There is a load balancer that performs client based affinity (or “sticky load balancing”), meaning that requests that come from a particular user will be routed to the same application server every time. Most user requests will read from the session, thus making near caching topology a good fit.

Which near cache configuration matches the requirements for this application?

- A. AUTO
- B. NONE
- C. ALL
- D. PRESENT

Correct Answer: D

Section: (none)

Explanation



Explanation/Reference:

Reference: https://docs.oracle.com/cd/E24290_01/coh.371/e22840/nearcache.htm#COHGS228

QUESTION 43

Your application is configured to use Service Guardian with default settings to protect against stuck service threads. The application runs a set of EntryProcessors to perform various types of calculations. These calculations can take a few milliseconds, but occasionally take up to 30 minutes to process.

Which statement is true?

- A. The Service Guardian will protect all of the applications EntryProcessor processes without detecting any as stuck.
- B. The Service Guardian must be disabled for these longer EntryProcessors.
- C. The Service Guardian does not protect threads running user code like EntryProcessors.
- D. The EntryProcessor must issue manual heartbeats to the Service Guardian or risk being killed.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

A company has a billing and ordering application accessed by ten million subscribers. Some subscribers rarely log in, and others log in almost every day. The company's goal is to provide the quickest possible response to web requests. Accesses make repeated reads and occasional writes to user sessions, each of which is 4 KB.

Which architecture meets these needs?

- A. a replicated cache, so that applications can always access data locally
- B. there is too much data for Coherence to be effective in this scenario
- C. a distributed cache with sticky sessions and near caching
- D. a small replicated cache for frequent users and database read-through

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

Your customer is a financial services company that uses a large compute grid (not Coherence) to do risk calculations. Objects representing risk scenarios are cached in Coherence. When these objects are updated, they are sent to the compute grid to recalculate risk via a continuous query cache. Assume that there are 100 compute servers in one data center and 100 GB of cached data. The customer is not worried about potential cluster instability, given their network design.

Which solution supports the customer's requirements? Keep in mind licensing costs and features by edition.

- A. Coherence Standard Edition. Nothing special is needed and Standard Edition is the low-cost option.
- B. Coherence Enterprise Edition, with the compute grid clients being storage-disabled cluster members.
- C. Coherence Grid Edition, with the compute grid clients being storage-disabled Coherence cluster members.
- D. Coherence Enterprise Edition, with the compute grid running against a set of Coherence*Extend proxies and continuous query cache on Coherence*Extend clients.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 46

What three actions can you perform while using Oracle Virtual Assembly Builder (Studio and/or Deployer)? (Choose three.)

- A. Create deployment plans.
- B. Create appliances and assemblies.
- C. Build and package.
- D. Transfer and deploy via Deployer.
- E. Back up and restore.

Correct Answer: ABD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

Which four components are included in WLS Management Pack? (Choose four.)

- A. Real User Monitoring
- B. JVM Diagnostics
- C. Business Transaction Management
- D. Lifecycle Management
- E. Configuration Management
- F. Ops Center

Correct Answer: BCDE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48 What could cause an AddTargetUser operation to fail with a 401 or a 403 error?

- A. Virtual Assembly Builder Deployer application is down.
- B. The user whose credentials were used to connect to Virtual Assembly Deployer has not been granted the Cloud Admin role.
- C. A connection between Virtual Assembly Builder Deployer and oracle VM Manager resource pool has not been configured.
- D. The Oracle VM Manager Admin user, whose credentials were used in the createTarget operation, has not been granted the Application Admin role.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49 Which two statements are true about minor or young garbage collections? (Choose two.)

- A. Minor garbage collection is triggered when the eden space is full.
- B. Minor garbage collection does not cause a stop the world operation.
- C. Permanent generation is included in minor garbage collection.
- D. Minor garbage collections are usually shorter, with minimal impact on performance.
- E. Minor garbage collection does not occur when using a parallel collector.



Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50 Which configuration file must a user edit to configure Oracle HTTP Server?

- A. httpd.conf
- B. obj.conf
- C. workers.properties
- D. magnus.conf
- E. oraclehttp.conf

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://docs.oracle.com/cd/E23943_01/web.1111/e10144/getstart.htm#HSADM174

QUESTION 51 Which three areas are automatically optimized by the Oracle JDK ergonomics? (Choose three.)

- A. Garbage Collector
- B. Debugging options
- C. Heap size
- D. Class loader
- E. Runtime compiler

Correct Answer: ACE

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.oracle.com/technetwork/java/javase/gc-tuning-6-140523.html>

QUESTION 52 Which are two key factors in deciding when to configure OTD for SDP support?

- A. number of connections that OTD needs to manage
- B. size of the payload that will be load balanced
- C. whether Oracle Traffic Director is deployed with InfiniBand fabric
- D. request rate

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53 What two sources can be used to provision a WLS domain? (Choose two.)

- A. WebLogic Home Gold Image
- B. TAR file on network desktop
- C. TAR file on local desktop
- D. WebLogic Domain Provisioning Profile
- E. Middleware Home Gold Image

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54 Which two mechanisms are explicitly monitored to determine death of a cluster member? (Choose two.)

- A. garbage collection
- B. stuck threads
- C. heartbeats
- D. TCP socket connections

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Explanation



Death detection works by creating a ring of TCP connections between all cluster members. TCP communication is sent on the same port that is used for cluster UDP communication. Each cluster member issues a unicast heartbeat, and the most senior cluster member issues the cluster heartbeat, which is a broadcast message. Each cluster member uses the TCP connection to detect the death of another node within the heartbeat interval. Death detection is enabled by default and is configured within the <tcp-ring-listener> element.

Reference: https://docs.oracle.com/cd/E18686_01/coh.37/e18677/cluster_setup.htm#COHMG5456

QUESTION 55 In which three scenarios would you use JRockit Mission Control?
(Choose three.)

- A. finding hot methods
- B. static mode analysis
- C. tracking latencies
- D. heap analysis
- E. debugging with breakpoints

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

After going through a sizing exercise, you determine that your application will need 100 storage-enabled JVMs with 4 GB heaps. You have 10 physical machines with 16 cores and 32 GB of RAM.

Which performance-tuning best practice would be violated by deploying your application on these machines?

- A. Heap sizes should not be larger than 512 MB.
- B. OS socket buffers should be at least 2 MB.
- C. Avoid OS memory swapping/paging by not exhausting physical RAM.
- D. Do not exceed one JVM per core.



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

You are using Coherence to store state data that gets read frequently and updated only occasionally. Only 100 or so clients are logged in at any time, and state data is retrieved at login. You are running out of physical memory on the cache server tier, but CPU and network utilization is low. You have 100 GB Solid-State Drives on every system, including clients. You would also like to provide faster access to state data for logged-in users.

Which configuration should you use for your system?

- A. Configure Elastic Data on your clients with a near cache.
- B. Configure a near cache on your client and a RAM Journal on your cache servers.
- C. Configure a near cache on your client and a Flash Journal on your cache servers.
- D. Because near caching does not work with Elastic Data, configure a near cache and an eviction policy on the cache servers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58 Which two conditions ensure enabling SSL Mutual Authentication (two-way SSL?) (Choose two.)

- A. There is confidential communication between client and server.
- B. The server trusts the client and the client trusts he server.
- C. The client is authorized to access `index.html`.
- D. Clients can enter the DMZ.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

You plan to deploy your Coherence application to a new production environment. You want to ensure that the new environment supports multicast, and that all of the machines are connected to the same physical switch for optimal performance.

What two tools will help confirm that the new environment satisfies both criteria? (Choose two.)

- A. Coherence MulticastTest
- B. Coherence DatagramTest
- C. Coherence Console
- D. Coherence CohQL Command-Line

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

Reference <http://www.oracle.com/technetwork/middleware/coherence/learnmore/oracle-coherence-12c-deployment-3049521.pdf>

QUESTION 60 What is the first step towards creating an appliance?

- A. introspection of an installed reference system
- B. introspection of a VM template
- C. fileset capture
- D. template creation

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61 Which Java command would list all the running Java applications on a system?

- A. `jpsm -m`
- B. `jlist -m`
- C. `jproc -m`
- D. `jplist -m`
- E. `jps -m`

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 62 Identify three situations where Coherence is used
(Choose three.)

- A. to scale the amount of data accessed on the application or middleware tier
- B. to offload shared services or databases on repeated reads
- C. to accelerate complex RDBMS joins by storing data in memory
- D. to reduce database load by batching and coalescing writes
- E. to perform map-reduce aggregations of unstructured data

Correct Answer: BDE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63 A Coherence node dies and is removed from a cluster.

What two actions occur if that node was part of a distributed cache where `backup_count = 1`? (Choose two.)

- A. Access is blocked to all operations while the cluster is rebalanced.
- B. Data is re-partitioned so that all data is accessible again.
- C. Partitions are moved so that the data is balanced among remaining nodes.
- D. Backup partitions are promoted to be primary, and new backups are created.

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64 Which four actions can you perform by using features that are included in WLS management Pack EE?
(Choose four.)

- A. manage multiple domains centrally
- B. perform in-depth JVM diagnostics
- C. perform user-session diagnostics
- D. trace transactions across multi-tier environments
- E. perform disaster recovery operations
- F. perform full session replay

Correct Answer: ABE

Section: (none)

Explanation

Explanation/Reference:

Reference <http://www.oracle.com/technetwork/oem/soa-mgmt/ds-em12c-wls-mgmt-pack-ee-1552456.pdf> (page 1)

QUESTION 65

Which action do you take when deploying Oracle HTTP Server to ensure all client communications within OHS are confidential?

- A. Deploy OHS in A DMZ.
- B. Configure all OHS Listeners to use SSL.



- C. Nothing; all client communications are confidential.
- D. This configuration is not possible.
- E. Use a network firewall.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 66

What three operations can an EM_PROVISIONONG_DESIGNER perform that an EM_PROVISIONONG_OPERATOR cannot? (Choose three.)

- A. Create profiles, components, and directives in the Software Library.
- B. Access provisioning profiles in the Software Library.
- C. Customize the default deployment procedure.
- D. Create deployment procedure templates.
- E. There is no difference in the type of operations that these two users can perform.

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 67 A customer is witnessing a lot of contention while accessing and updating a cached item.

Which feature alleviates the contention by shortening the time that the object is locked?

- A. Near Cache
- B. Entry Processors
- C. Transaction Framework
- D. off-heap storage

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 68 Which two statements are true about the HotSpot Concurrent Garbage Collector? (Choose two.)

- A. It is well suited for applications that have a highly variable rate of object allocation.
- B. It is enabled with the switch `-xx: +UseConcMarkSweepGC`.
- C. It is well suited for configurations of one-to-one JVM to processor core.
- D. It is suitable where application responsiveness is more important than throughput.
- E. It tends to work well for applications with very large Java heaps.

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:



QUESTION 69 Which is a valid reason for using Coherence Elastic Data?

- A. You want to cache more than the total amount of RAM on your systems.
- B. You want to extend your cluster across a WAN.
- C. Data must be persisted to disk to ensure fault tolerance.
- D. You want to store data on very large heaps.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference <http://www.oracle.com/technetwork/tutorials/tutorials-1694910.pdf>

QUESTION 70 With which three activities does Virtual Assembly Builder help? (Choose three.)

- A. maintaining flexibility for developers
- B. reducing runtime errors
- C. enabling full access to infrastructure
- D. creating a standardized model for IT
- E. automating provisioning of the entire application topology

Correct Answer: ADE

Section: (none)

Explanation

Explanation/Reference:



QUESTION 71

An Oracle RAC Database appliance was initially deployed with two database instances. The load on the database has now increased and another instance needs to be provisioned.

How would you add one more instance of the earlier deployed appliance?

- A. Create and deploy a new assembly containing a single instance database appliance.
- B. Add a new single instance database appliance into the previously created assembly and redeploy it.
- C. Use the ScaleAppliance operation to scale up the deployed appliance instances from two to three.
- D. Use the createAssemblyInstance operation to create a new instance of the existing assembly and deploy the new assembly instance.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 72 What is the correct order of API calls to perform an end-to-end assembly deployment operation?

- A. UploadAssemblyArchive -> RegisterAssemblyArchive -> CreateAssemblyInstance -> DeployAssemblyInstance -> UndeployAssemblyInstance -> DeleteAssemblyInstance -> UnregisterAssemblyArchive -> DeleteAssemblyArchive
- B. CreateAssemblyInstance -> UploadAssemblyArchive -> RegisterAssemblyArchive -> DeployAssemblyInstance -> UndeployAssemblyInstance -> UnregisterAssemblyArchive -> DeleteAssemblyArchive -> DeleteAssemblyInstance
- C. UploadAssemblyArchive -> RegisterAssemblyArchive -> DeployAssemblyInstance -> UndeployAssemblyInstance -> UnregisterAssemblyArchive -> DeleteAssemblyArchive
- D. RegisterAssemblyArchive -> UploadAssemblyArchive -> DeployAssemblyInstance -> UndeployAssemblyInstance -> DeleteAssemblyArchive -> UnregisterAssemblyArchive

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 73 The performance of your query is very slow.

Which two actions would you take to diagnose potential bottlenecks? (Choose two.)

- A. Check that indexes are registered against the fields being queried.
- B. Monitor the task execution time.
- C. Use the QueryRecorder to see the query Trace and Explain plan.
- D. Check that indexes are cached against the fields being queried.
- E. Monitor the task performance time.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 74

You notice the following message in one of your cache server logs:

```
2012-08-15 07:44:09.015/3249.479 Oracle Coherence GE 3.6.1.0  
<D5> (thread=Cluster, member=74): MemberLeft notification for  
Member (Id=102, Timestamp=2012-08-15 07:43:20.395, Ad-  
dress=10.84.101.77:8088, MachineId=15181, Location=machine:  
coh09, process:20191, Role=CoherenceServer received from Member  
(Id=1, Timestamp=2012-08-15 02:27:53.322, Ad-  
dress=10.104.43.204:8088, MachineId=53671,  
Location=machine: coh01, process:1746, Role=CoherenceServer)
```

Which statement correctly explains this message?

- A. Member 102 received a MemberLeft message from the senior member (member 1) that member 74 has left the cluster.
- B. Member 1 received a MemberLeft message from the senior member (member 74) that member 102 has left the cluster.
- C. Member 1 received a MemberLeft message from the senior member (member 102) that member 74 has left the cluster.
- D. Member 74 received a MemberLeft message from the senior member (member 1) that member 102 has left the cluster.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 75 Which three metrics are commonly used to evaluate garbage collector performance? (Choose three.)

- A. Throughput
- B. Pause time
- C. Method area
- D. Native threads
- E. Heap size

Correct Answer: ABE

Section: (none)

Explanation

Explanation/Reference:

Reference <http://www.oracle.com/technetwork/java/javase/tech/memorymanagement-whitepaper-1-150020.pdf> (page 5, performance metrics)

