



# 1Z0-574<sup>Q&As</sup>

Oracle IT Architecture Release 3 Essentials

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## QUESTION 1

For a large heterogeneous environment with a large number of hosts requiring scalability and efficiency, what is the best strategy for deployment of Oracle Enterprise Manager?

- A. Use a centralized control with persistent connections to all agents to pull data.
- B. Use multiple semi-autonomous agents collecting information and periodically relaying it to a central repository.
- C. Use multiple Instances of Oracle Enterprise Manager to maximize performance.
- D. Use centralized alert filtering.

Correct Answer: B

Explanation: Oracle Enterprise Manager 11g Grid Control has the ability to scale for hundreds of users and thousands of systems and services on a single Enterprise Manager implementation. Can use two instances of Oracle Enterprise Manager for large deployments (10000 clients or more). The architecture for Oracle Enterprise Manager 10g Grid Control exemplifies two key concepts in application performance tuning: distribution and parallelization of processing. Each component of Grid Control can be configured to apply both these concepts. The components of Enterprise Manager Grid Control include:

\*

The Management Agent - A process that is deployed on each monitored host and that is responsible for monitoring all services and components on the host. The Management Agent is also responsible for communicating that information to the middle-tier Management Service and for managing and maintaining the system and its services.

\*

The Management Service - A J2EE Web application that renders the user interface for the Grid Control

Console, works with all Management Agents to process monitoring and jobs information, and uses the Management Repository as its data store.

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The Management Repository - The schema is an Oracle Database that contains all available information about administrators, services, and applications managed within Enterprise Manager.

References:

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## QUESTION 2

Which of the following are true statements about the benefits of standardizing on a common security framework?

- A. Security requirements no longer need to be specified for each individual application; the framework will automatically determine what security needs to be applied.
- B. A common set of security services and information can be used across the organization, promoting Infrastructure reuse and minimizing inconsistencies.
- C. Secure application integration is made easier via standardization on a preferred subset of technologies and options.



D. Administration and auditing are improved due to rationalization and standardization of identities, attributes, roles, policies, and so on.

E. Interoperability amid federation are easier to achieve via the adoption of common security and technology standards.

Correct Answer: ABE

Explanation:

In order to provide security in a consistent manner, a common set of infrastructure, e.g. a security

framework, must be used. The purpose of this framework is to rationalize security across the enterprise by:

\*

Establishing a master set of security data that reflect the policies, IT resources, participants and their attributes across the entire domain of security

\*

Mapping organizational structures, computing resources, and users to roles in a way that clearly depicts access privileges for the organization

\*

Maintaining fine-grained access rules based on roles that have been established for the organization

\*

Propagating the master security data to individual applications and systems that enforce security (A)

\*

Detecting changes to security data residing on systems that have not been propagated from the master source of record, and sending alerts regarding these inconsistencies

\*

Providing common security services, such as authentication, authorization, credential mapping, auditing, etc. that solutions can leverage going forward in place of custom-developed and proprietary functions (B)

\*

Facilitating interoperability between systems and trust between security domains by acting as a trusted authority and brokering credentials as needed(E)

\*

Centrally managing security policies for SOA Service interactions

The security framework should provide these types of capabilities as a value-add to the existing infrastructure. The intent is not to discard the capabilities built into current applications, but rather to provide a common foundation that enhances security across the enterprise. Security enforcement can still be performed locally, but security data should be modeled and managed holistically.

Incorrect:



C: Not a main goal.

D: Ease of administration and auditing is not a main goal here.

References:

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### QUESTION 3

Which of the following are the implications of the architecture principle, "Asset-centric approach must be applied to engineering processes"?

- A. The development Infrastructure must support asset-centric engineering.
- B. Assets must be associated with meaningful metadata that can be used to discover and interpret the assets.
- C. Solutions developed must be integrated and tested early and often.
- D. Existing assets must be reused to fulfill whole or part functionality when available.

Correct Answer: B

Explanation: The underlying core principle of ORA Engineering is asset sharing and enterprise development through an integrated asset management approach. Most organizations use a Software Configuration Management (SCM) or Version Control System (VCS) for managing the code and configuration assets. These tools are great for managing the versioning of assets produced but they don't maintain the metadata of the assets. Without metadata assets are not organized in context and it is hard to discover them. ORA recommends an asset-centric engineering process, where an Asset Manager is used to address the challenges posed by the traditional approaches. The Asset Manager is typically an enterprise-scoped Metadata Repository working in concert with SCMs and other types of asset repositories.

References:

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### QUESTION 4

Data is often said to exist in one of three states:

1.  
In motion being transmitted over a network or connection
2.  
At rest persisted in a queue, disk, file, and so on
3.  
In memory loaded into computer memory

The third state, in memory, is seldom mentioned in security standards, texts and requirements. Why?

- A. Computer memory has built-in parity checking which protects against malicious alteration
- B. No one has direct access to a computer's memory, therefore it is the safest place to be.



C. All modern computers (developed since the mid-90s) automatically store data in memory in encrypted form to help ensure confidentiality and integrity, because of this, more emphasis has been placed on raising the level of protection in the other two states.

D. This state is often overlooked. Data in memory can easily be viewed by anyone with system administrator.

Correct Answer: D

Explanation:

In Memory - a term used here to describe data that is currently being processed and therefore exposed to any program, diagnostic tool, operating system command, virus, etc. that is able to access memory.

References:

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### QUESTION 5

Conceptually, management and monitoring capabilities consist of which of the following?

- A. consolidating administration tasks for a variety of infrastructure components
- B. homogeneous support for IT management environments
- C. skilled architects to perform root-cause analysis
- D. allowing enterprises to define, model, capture, and consolidate monitoring information into a single framework

Correct Answer: AD

Explanation:

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