

1Z0-574^{Q&As}

Oracle IT Architecture Release 3 Essentials

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QUESTION 1

Which statement best describes the relationship between the Service-Oriented Integration (SOI) architecture and the Application Integration Architecture (AIA) product from Oracle?

- A. AIA is a product specific Implementation of the SOI architecture.
- B. AIA is a traditional Enterprise Application Integration (EAI) architecture; therefore AIA does not follow the SOI architecture.
- C. AIA is an Oracle product that maps to some of the layers and capabilities defined by the SOI architecture.
- D. AIA is an Oracle product and the SOI architecture is a product-agnostic architecture; therefore there is no relationship between the two.
- E. AIA is one of many Oracle products that maps onto SOI architecture.

Correct Answer: E

Explanation:

There are two categories of Oracle products that map into the service-oriented integration architecture, Fusion Middleware products and the Application Integration Architecture (AIA) products.

References:

QUESTION 2

Which statement most accurately describes the purpose of the Process view of User Interaction?

- A. The Process view describes the sequence of activities In the development to deployment life cycle of the UI application.
- B. The Process view describes the workflow of the user Interaction with the application from screen to screen.
- C. The Process view describes the computer processes incorporated into the architecture and illustrates the interactions between the various components in the architecture.
- D. The Process view describes the business processes that are implemented In the UI applications.

Correct Answer: C

Explanation:

The Process View describes the computer processes incorporated into the architecture and illustrates the interactions between the various components in the architecture.

References:

QUESTION 3

Which of the following are the key drivers for Grid computing?

- A. Improved server utilization - Grid computing allows companies to lower costs through the efficient use of resources.
- B. Better agility and flexibility - Businesses experience constant change and the underlying IT Infrastructure should be agile enough to support that kind of change.
- C. OpEx model - Enterprises require pay-as-you-go services to reduce the dependency on capital expenditure and take advantage of the benefits of operational expenditure.
- D. Lower Initial cost-There is a need to reduce the Initial investment at the cost of an increased operational cost.

Correct Answer: ABD

Explanation: Using a grid computing architecture, organizations can quickly and easily create a large-scale computing infrastructure from inexpensive, off-the-shelf components (D). Other benefits of grid computing include

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Quick response to volatile business needs (B)

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Real-time responsiveness to dynamic workloads

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Predictable IT service levels

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Reduced costs as a result of improved efficiency and smarter capacity planning (A) Note: One way to think about grid computing is as the virtualization and pooling of IT resources-- compute power, storage, network capacity, and so on--into a single set of shared services that can be provisioned or distributed, and then redistributed as needed. As workloads fluctuate during the course of a month, week, or even through a single day, the grid computing infrastructure analyzes the demand for resources in real time and adjusts the supply accordingly.

Grid computing operates on three basic technology principles: Standardize hardware and software components to reduce incompatibility and simplify configuration and deployment; virtualize IT resources by pooling hardware and software into shared resources; and automate systems management, including resource provisioning and monitoring.

Grid computing operates on these technology principles:

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Standardization.

*

Virtualization.

*

Automation.

References:

QUESTION 4

You are designing a mission-critical application that requires high performance. Your analysis concludes that Oracle Exadata would enable you to meet the performance goals. What characteristics of Oracle Exadata make it possible to provide such superior performance?

- A. Oracle Exadata uses massively parallel architecture to speed up Oracle data warehouses by offloading data-intensive query processing from the databases.
- B. By pushing SQL processing to the Oracle Exadata Storage Server, all the disks can operate in parallel, reducing database server CPU consumption while consuming much less bandwidth to move data between storage and database servers.
- C. The Oracle Exadata Storage Server returns a query result set rather than entire tables, eliminates network bottlenecks, and frees up database server resources.
- D. Oracle Exadata uses direct data placement to ensure very low CPU overhead by directly moving data from the wire to database buffers with no extra data copies being made.

Correct Answer: A

Explanation:

To overcome the limitations of conventional storage, Oracle Exadata Storage Servers use a massively parallel architecture to dramatically increase data bandwidth between the database server and storage. Innovative technologies such as Exadata Smart Scan, Exadata Smart Flash Cache, and Hybrid Columnar Compression enable Exadata to deliver extreme performance for everything from data warehousing to online transaction processing to mixed workloads.

QUESTION 5

Conventional Management and Monitoring tools focus and produce metrics on which one of the following?

- A. holistically across heterogeneous systems
- B. metrics that measure individual resources
- C. metrics that focus on understanding the relationship and Interactions between component
- D. metrics that capture the combined behavior of several components interacting with the shared component

Correct Answer: B

Explanation:

Conventional tools tend to focus and produce metrics on individual resources which is inadequate for an

agile shared services computing environment.

Note:

A metric is a unit of measurement used to report the health of the system that is captured from the monitored infrastructure components. Metrics from all monitored infrastructure components are stored and aggregated in the Management Repository, providing administrators with a rich source of diagnostic information and trend analysis data.

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