SCENARIO 4: Brown & Babcock Manufacturing

Brown & Babcock, a global manufacturing firm, has decided to improve the efficiency of its sales force by replacing its legacy fax and paper-based configuration and ordering systems with a hand-held device solution. This will impact both the firm and its suppliers.

Brown & Babcock use TOGAF 9 for their internal Enterprise Architecture and use an iterative approach to applying the ADM. The enterprise architecture team has completed the Architecture Context iteration cycle and the first iteration of the Architecture Definition cycle, using a Baseline First approach. The CIO is the sponsor of the Enterprise Architecture program.

The initial iteration has established the approach, the scope, and vision for the project. A set of architecture principles has been established based on TOGAF 9, Chapter 23. The CIO has highlighted the importance of adhering to the following principles:

- Data is an asset.
- Data is shared.
- Data is accessible.

The initial iteration has also led to the establishment of a number of business goals and objectives for the new target system. The principal goal is to give the sales force in the field direct access to the sales process, allowing sales staff to create and verify product configurations, check pricing and availability, and to place an order while still on the client site with the customer.

As part of achieving this goal, the architectures developed will need to address the following stakeholder concerns:

- What changes to existing business processes are needed?
- What data will need to be shared?
- How will distributed data be secured?
- What non-sales applications will need to be integrated with any new sales applications?

Your role is that of Lead Enterprise Architect.
You have been asked to identify the most appropriate architecture viewpoints for the second iteration of the Architecture Definition cycle.

Based on TOGAF 9, which of the following is the best answer?

Q4: Answers

A. Describe the Business Architecture with a Process/Event/Control/Product catalog and Role catalog.
Describe the Data Architecture with a Data Entity/Data Component catalog, System/Data matrix, and Data Security diagram. Describe the Application Architecture with an Interface catalog.
Describe the Technology Architecture with a Network Computing/Hardware diagram.

B. Describe the Business Architecture with a Location catalog and Business Interaction matrix.
Describe the Data Architecture with a Data Migration diagram and Data Lifecycle diagram.
Describe the Application Architecture with a Software Engineering diagram.
Describe the Technology Architecture with a Communications Engineering diagram.

C. Describe the Business Architecture with a Location catalog and Business Footprint diagram.
Describe the Data Architecture with a System/Data matrix, Data Migration diagram, and Data Lifecycle diagram.
Describe the Application Architecture with an Application Communication diagram.
Describe the Technology Architecture with a Network Computing/Hardware diagram.

D. Describe the Business Architecture with a Location catalog and Role catalog.
Describe the Data Architecture with a Data Entity/Business Function matrix, System/Data matrix, and Data Security diagram.
Describe the Application Architecture with an Application Interaction matrix.
Describe the Technology Architecture with a Network Computing/Hardware diagram.