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C1000-148

IBM Cloud Pak for Business Automation v21.0.3 Solution Architect

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Question: 1

What should be considered when sizing the components of IBM Cloud Pak for Business Automation?

- A. Number of concurrent users, volume of data processed, expected transaction rate
- B. Physical dimensions of the hardware, network bandwidth, available memory
- C. Number of virtual machines, storage capacity, power consumption
- D. Geographic location of users, software licensing costs, network latency

Answer: A

Explanation: Component sizing considerations for IBM Cloud Pak for Business Automation include factors such as the number of concurrent users, volume of data processed, and expected transaction rate. These factors help determine the appropriate capacity and resources required to ensure optimal performance of the solution.

Question: 2

What are the different deployment patterns available for IBM Cloud Pak for Business Automation (v21.0.3) and what are the high-level steps in the deployment process?

- A. Starter and Production; Steps: Planning, Installation, Configuration, Validation
- B. Development and Production; Steps: Installation, Configuration, Testing, Deployment
- C. Sandbox and Enterprise; Steps: Planning, Installation, Configuration, Monitoring
- D. Basic and Advanced; Steps: Installation, Configuration, Testing, Documentation

Answer: A

Explanation: IBM Cloud Pak for Business Automation offers deployment patterns for Starter and Production environments. The high-level steps in the deployment process include planning, installation, configuration, and validation. These steps ensure that the solution is properly implemented and meets the requirements of the organization.

Question: 3

Which concepts are associated with Authorization/Authentication in IBM Cloud Pak for Business Automation?

- A. LDAP, IAM, UMS, Teams, Roles
- B. SSL, SSH, VPN, SSO, PKI
- C. OAuth, OpenID Connect, SAML, RBAC, ABAC
- D. JWT, Kerberos, NTLM, ACL, CAPTCHA

Answer: A

Explanation: CP4BA incorporates various concepts related to authorization and authentication. LDAP (Lightweight Directory Access Protocol) is used for user authentication and authorization against directory services. IAM (Identity and Access Management) provides centralized control over user identities, permissions, and authentication mechanisms. UMS (User Management Services) enables user account management within the platform. Teams and Roles are used to assign and manage access rights and permissions within CP4BA.

Question: 4

What are the migration and upgrade strategies for IBM Cloud Pak for Business

Automation?

- A. Lift and shift migration, rolling upgrade strategy
- B. Blue-green deployment, in-place upgrade strategy
- C. Data migration, phased upgrade strategy
- D. Hybrid deployment, parallel upgrade strategy

Answer: A

Explanation: The migration strategy for IBM Cloud Pak for Business Automation involves a lift and shift approach where the existing components are migrated to the cloud environment. The upgrade strategy follows a rolling upgrade approach where the solution is upgraded incrementally, minimizing downtime and ensuring a smooth transition.

Question: 5

What are the high-level installation requirements for IBM Cloud Pak for Business Automation (CP4BA)?

- A. Minimum hardware specifications
- B. Compatible operating systems and databases
- C. Network connectivity and firewall configurations
- D. All of the above

Answer: D

Explanation: The high-level installation requirements for CP4BA include minimum hardware specifications to ensure optimal performance. It requires compatible operating systems and databases for proper functioning. Network connectivity and firewall configurations are also important to establish communication between different components and ensure security.

Question: 6

What are the benefits of Red Hat OpenShift Container Platform and Cloud Pak for Business Automation?

- A. Seamless integration with existing enterprise systems
- B. Scalability and high availability
- C. Containerization for improved deployment and management
- D. All of the above

Answer: D

Explanation: Red Hat OpenShift Container Platform and Cloud Pak for Business Automation offer a range of benefits. They provide seamless integration with existing enterprise systems, ensuring compatibility and interoperability. They enable scalability and high availability, allowing businesses to handle increased workloads and maintain service continuity. Containerization improves deployment and management by providing a consistent and portable environment for applications across different platforms and cloud infrastructures.

Question: 7

How does IBM Cloud Pak for Business Automation support implementing a Hybrid Architecture?

- A. Seamless integration with legacy systems
- B. Support for both on-premises and cloud environments
- C. Hybrid deployment patterns
- D. All of the above

Answer: D

Explanation: CP4BA facilitates the implementation of a Hybrid Architecture through various means. It provides seamless integration with legacy systems, enabling businesses to leverage existing investments and integrate with modern technologies. CP4BA supports both on-premises and cloud environments, allowing organizations to choose the deployment model that best suits their needs. Hybrid deployment patterns are available, enabling a mix of on-premises and cloud components to be used together.

Question: 8

What are the key components of the Cloud Pak architecture that includes Common Services, Automation Foundation, and Operators?

- A. Common Services, Business Automation Studio, User Management Services
- B. Common Services, Operational Decision Manager, Integration Designer
- C. Common Services, Automation Foundation, Content Management
- D. Common Services, Automation Foundation, Process Automation

Answer: D

Explanation: The Cloud Pak architecture consists of three key components. Common Services provide a foundation for shared services such as security, logging, and monitoring. Automation Foundation offers capabilities for workflow orchestration and business process management. Process Automation includes tools and features for modeling, executing, and monitoring business processes. These components work together to enable end-to-end business automation solutions.

Question: 9

What are the high-level installation requirements for IBM Cloud Pak for Business Automation (v21.0.3)?

- A. Red Hat OpenShift Container Platform, compatible operating system, storage resources
- B. IBM WebSphere Application Server, database server, network connectivity
- C. Docker Engine, Kubernetes cluster, load balancer
- D. Apache Tomcat, Java Development Kit, web browser

Answer: A

Explanation: The high-level installation requirements for IBM Cloud Pak for Business Automation include the presence of Red Hat OpenShift Container Platform as the container orchestration platform. Additionally, a compatible operating system and sufficient storage resources are needed to support the deployment of the solution.

Question: 10

What are the functional business capabilities of each of the components in IBM Cloud Pak for Business Automation (CP4BA)?

- A. Process Automation, Decision Automation, Content Management
- B. Workflow Orchestration, Robotic Process Automation, Data Analytics
- C. Business Rules, Business Monitoring, Document Capture
- D. Case Management, Business Activity Monitoring, Workflow Designer

Answer: A

Explanation: The components of CP4BA offer different functional business capabilities. Process Automation provides tools and features for modeling, executing, and monitoring business processes. Decision Automation supports rule-based decision-making and automation of business rules. Content

Management enables the capture, organization, and management of enterprise content, such as documents and records. These capabilities collectively empower organizations to streamline and automate their business processes, improve decision-making, and effectively manage content throughout its lifecycle.

Question: 11

What are the different deployment patterns for IBM Cloud Pak for Business Automation (CP4BA)?

- A. Starter and Production
- B. On-premises and cloud
- C. Test and Development
- D. Standard and Premium

Answer: A

Explanation: The two main deployment patterns for CP4BA are Starter and Production. The Starter deployment pattern is suitable for development and testing purposes, providing a lightweight environment with limited scalability. The Production deployment pattern is designed for enterprise-level use, offering scalability, high availability, and other advanced features required for production environments.

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