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Salesforce Integration-Architect Exam Syllabus Topics:

TopicDetailsTopic 1- Given an existing system landscape diagram, create an inventory of the systems and integration patterns- Identify the considerations when choosing the right option in making an outbound call to an external systemTopic 2- Identify the considerations when designing and implementing API(s)- Identify the current system landscape and determine what standards, limitations, boundaries and protocols existTopic 3- Identify the business growth and regulatory factors that can impact choice of integration solutions- Describe what should be considered when building a scalable solutionTopic 4- Given a use case, identify reporting needs for integration monitoring- Identify functional and non-functional requirements needed for integrationTopic 5- Identify the appropriate error handling, escalation and recovery procedures for a failed integration- Identify the integration pattern that meets business requirements

NO.17 A global financial company sells financial products and services that include the following:

1. Bank Accounts

2. Loans

3. Insurance

The company has a core banking system that is state of the art and is the master system to store financial transactions, financial products and customer information. The core banking system currently processes 10M financial transactions per day. The CTO for the company is considering building a community port so that customers can review their bank account details, update their information and review their account financial transactions.

What should an integration architect recommend as a solution to enable customer community users to view their financial transactions?
* Use Salesforce Connect to display the financial transactions as an external object.
* Use Salesforce Connect to display the financial transactions as an external object.
* Use Salesforce External Service to display financial transactions in a community lightning page.
* Use Iframe to display core banking financial transactions data in the customer community.

NO.18 Northern Trail Outfitters (NTO) has recently changed their Corporate Security Guidelines. The guidelines require that all cloud applications pass through a secure firewall before accessing on-premise resources. NTO is evaluating middleware solutions to integrate cloud applications with on-premise resources and services.

What are two considerations an Integration Architect should evaluate before choosing a middleware solution?

Choose 2 answers
* The middleware solution is capable of establishing a secure API gateway between cloud applications and on-premise resources.
* An API gateway component is deployable behind a Demilitarized Zone (DMZ) or perimeter network.
* The middleware solution enforces the OAuth security protocol.
* The middleware solution is able to interface directly with databases via an ODBC connection string.

NO.19 Northern Trail Outfitters needs to send order and line items directly to an existing finance application webservice when an order if fulfilled. It is critical that eac order reach the finance application exactly once for accurate invoicing.

What solution should an architect propose?
* Trigger invokes Queueable Apex method, with custom error handling process.
* Trigger makes @future Apex method, with custom error handling process.
* Button press invokes synchronous callout, with user handling retries in case of error
* Outbound Messaging, which will automatically handle error retries to the service.

NO.20 Given the diagram below, a Salesforce org, middleware, and Historical data store (with

20million records and growing) exists with connectivity between them

Historical records are archived from Salesforce and moved to Historical Data store (which houses 20M records and growing; fine-tuned to be performant with search queries).

Call center agents use Salesforce, when reviewing occasional special cases, have requested access to view the related historical case items that relate to submit cases.

Which mechanism and patterns are recommended to maximize declarative configuration?

* Use ESB tool with Data Virtualization pattern, expose OData endpoint, and then use Salesforce Connect to consume and display the External Object alongside with the Caseobject.
* C Use an ESB tool with a fire and forget pattern and then publish a platform event for the requested historical data.
* Use an ESB tool with Request-Reply pattern and then make a real-time Apex callout to the ESB endpoint to fetch and display component related to Case object
* Use an ETL tool with a Batch Data Synchronization pattern to migrate historical data into Salesforce and into a custom object (historical data) related to Case object.

NO.21 A company in a heavily regulated industry requires data in legacy systems to be displayed in Salesforce user interfaces (UIs). They are proficient in their cloud-based ETL (extract, transform, load) tools. They expose APIs built on their on-premise middleware to cloud and on-premise applications.

Which two findings about their current state will allow copies of legacy data in Salesforce?

Choose 2 answers
* Only on-premise systems are allowed access to legacy systems.
* Cloud-based ETL can access Salesforce and supports queues.
* On-premise middleware provides APIs to legacy systems data.
* Legacy systems can use queues for on-premise integration.

NO.22 Northern Trail Outfitters (NTO) is looking to integrate three external systems that run nightly data enrichment processes in Salesforce. NTO has both of the following security and strict auditing requirements:

1. The external systems must follow the principle of least privilege, and

2. The activities of the eternal systems must be available for audit.

What should an Integration Architect recommend as a solution for these integrations?
* A shared integration user for the three external system integrations.
* A shared Connected App for the three external system integrations.
* A unique integration user for each external system integration.
* A Connected App for each external system integration.

NO.23 A company accepts payment requests 24×7. Once they accept a payment request, their service level agreement (SLA) requires them to make sure each payment request is processed by their Payment System. They track payment requests using a globally unique identifier created at the Data Entry Point. Their simplified flow is as shown in the diagram.

They encounter intermittent update errors when two or more processes try to update the same Payment Request record at the same time.

Which two recommendations should an integration architect make to improve their SLA and update conflict handling?

Choose 2 answers
* Middleware should coordinate request delivery and payment processing.
* Data Entry Point and Middleware should automatically retry requests.
* Payment System should process a payment request only once.
* Payment System and Middleware should automatically retry requests.

NO.24 Northern Trail Outfitters is seeking to improve the performance and security of outbound integrations from Salesforce to on-premise servers.

What should the Architect consider before recommending a solution?

* External gateway products in use
* A Default gateway restrictions
* Considerations for using Deterministic Encryption
* Shield Platform Encryption Limitations

NO.25 Northern Trail Outfitters (NTO) has an affiliate company that would like immediate notifications of changes to opportunities in the NTO Salesforce instance. The affiliate company has a CometD client available.

Which solution is recommended in order to meet the requirement?

* Create a connected app in the affiliate org and select the “Accept CometD API Requests”.
* A Implement a polling mechanism in the client that calls the SOAP API getupdated method to get the ID values of each updated record.
* Configure External Services to call the subscriber in Apex in the Onchange Trigger event as part of the flow.
* Create a PushTopic update event on the Opportunity Object to allow the subscriber to react to the streaming API.

NO.26 A developer has been tasked by the integration architect to build a solution based on the Streaming API. The developer has done some research and has found there are different implementations of the events in Salesforce (Push Topic Events, Change Data Capture, Generic Streaming, Platform Events), but is unsure of to proceed with the implementation.The developer asks the system architect for some guidance.

What should the architect consider when making the recommendation?

* Push Topic Event can define a custom payload.
* Change Data Capture does not have record access support.
* Change Data Capture can be published from Apex.
* Apex triggers can subscribe to Generic Events.

NO.27 Universal Containers (UC) is a leading provider of management training globally, UC requested students course registration data generated from the Salesforce student community to be synced with the learning management system (LMS). Any update to the course registration data needs to be reflected in the LMS.

Which integration mechanism should be used to meet the requirement?

* Change Data Capture (CDC)
* Platform Event
* Streaming API
* Outbound Message

NO.28 Universal Containers (UC) owns a variety of cloud-based applications, including Salesforce, alongside several on premise applications. The on-premise applications are protected behind a corporate network with limited outside access to external systems.

UC would like to expose data from the on-premise applications to Salesforce for a more unified user experience. The data should be accessible from Salesforce in real-time.

Which two actions should be recommended to fulfill this system requirement?

Choose 2 answers

* Develop an application in Heroku that connects to the on-premise database via an ODBC string and VPC connection.
* Develop custom APIs on the company’s network that are invokable by Salesforce.
* Deploy MuleSoft to the on-premise network and design externally facing APIs to expose the data.

* Run a batch job with an ETL tool from an on-premise server to move data to Salesforce.

NO.29 A company’s security assessment noted vulnerabilities on the un managed packages in their Salesforce orgs, notably secrets that are easily accessible and in plain text, such as usernames, passwords, and OAuth tokens used in callouts from Salesforce.

Which two persistence mechanisms should an integration architect require to be used to ensure that secrets are protected from deliberate or inadvertent exposure?

Choose 2 answers
* Encrypted Custom Fields
* Named Credentials
* Protected Custom Metadata Types
* Protected Custom Settings

NO.30 Northern Trail Outfitters (NTO) has hired an Integration Architect to design the integrations between existing systems and a new instance of Salesforce. NTO has the following requirements:

1. Initial load of 2M Accounts, 5.5M Contacts, 4.3M Opportunities, and 45k Products into the new org.

2. Notification of new and updated Accounts and Contacts needs to be sent to 3 external systems.

3. Expose custom business logic to 5 external applications in a highly secure manner.

4. Schedule nightly automated dataflows, recipes and data syncs.

Which set of APIs are recommended in order to meet the requirements?
* Bulk API, Chatter REST API, Apex SOAP API, Tooling API
* Bulk API, Chatter REST API, Apex REST API, Analytics REST API
* Bulk API, Streaming API, Apex REST API, Analytics REST API
* Bulk API, Streaming API, Apex SOAP API, Analytics REST API

NO.31 A new Salesforce program has the following high level abstract requirement: Business processes executed on Salesforce require data updates between the internal systems and Salesforce Which three relevant details should a Salesforce Integration Architect seek to specifically solve for Integration architecture needs of the program?

Which three relevant details should a Salesforce Integration Architect seek to specifically solve for Integration architecture needs of the program?

Choose 3 answers
* Source and Target system, Directionality, data volume & transformation complexity long with any middleware that can be leveraged.
* Integration skills, SME availability and Program Governance details.
* Timing aspects – real-time/near real-time (synchronous or asynchronous), batch; update frequency.
* Integration Style Process based, Data based, Virtual integration. E Core functional and non functional requirements for User Experience design, Encryption needs, Community, and license choices.

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