Salesforce Project Phase-7 :- Integration & External Access

Title :- Dairy Management System Private Limited Using Salesforce CRM

Named Credential: SMS_API_Credential

- URL (Base Endpoint):

    https://api.smsprovider.com/v1

(Replace smsprovider.com with the actual SMS gateway provider you are using.)

- Authentication:

    o If using API Key: set in Named Credential header or as "Password" in Basic Auth.

    o If using OAuth 2.0: configure the OAuth settings with client ID/secret and token URL.

Platform Events

Create the Platform Event

- Go to Setup → Platform Events → New Platform Event

- Define:
  - Label: Low Inventory Alert Event
  - API Name: Low_Inventory_Alert__e
  - Publish Behavior: Publish After Commit (ensures event is fired only after successful DML transaction)

- Add Custom Fields:
  - Product__c (Text) → which product is low (e.g., Milk, Feed, Ghee)
  - Current_Stock__c (Number) → current stock available
  - Reorder_Level__c (Number) → threshold for replenishment
  - Message__c (Text Area) → user-friendly alert message

Publish the Event (Apex or Flow)

Option A: Record-Triggered Flow

- **Create a Record-Triggered Flow on the Inventory__c object.**

- **Trigger condition: Stock_Quantity__c < Reorder_Level__c.**

- **Action: Create a Platform Event Record (Low_Inventory_Alert__e).**

- **Map fields accordingly.**


```
trigger InventoryTrigger on Inventory__c (after update) {
    for(Inventory__c inv : Trigger.new) {
        Inventory__c oldInv = Trigger.oldMap.get(inv.Id);
        if(inv.Stock_Quantity__c < inv.Reorder_Level__c && oldInv.Stock_Quantity__c >= inv.Reorder_Level__c) {
            Low_Inventory_Alert__e eventObj = new Low_Inventory_Alert__e(
                Product__c = inv.Product_Name__c,
                Current_Stock__c = inv.Stock_Quantity__c,
                Reorder_Level__c = inv.Reorder_Level__c,
                Message__c = 'Stock for ' + inv.Product_Name__c + ' is below reorder level!'
            );
            Database.SaveResult sr = EventBus.publish(eventObj);
        }
    }
}
```

Salesforce Connect

Configure External Data Source

- Go to Setup → External Data Sources → New External Data Source
- Enter details:
  - Name: Cattle_Feed_Supplier_Data
  - Type: Salesforce Connect: OData 2.0 or 4.0 (depending on supplier system)
  - Authentication: Named Credential (OAuth / Password Authentication)
  - URL: Supplier's OData/REST endpoint

Example: https://supplier-erp.com/services/odata/feedStock

Remote Site Settings

1. Go to **Setup → Security → Remote Site Settings → New Remote Site**.

2. Provide details:

- o **Remote Site Name** → (e.g., SMS_API, MilkLab_API, PaymentGateway_API).

- o **Remote Site URL** → The base URL of the external API (e.g., https://api.smsprovider.com).

- o **Active** → ☑ Checked.

3. Save the setting.

4. Now, when writing **Apex callouts** (e.g., HttpRequest), Salesforce validates the domain against these Remote Site Settings.

SETUP
Remote Site Settings

Remote Site Edit

Enter the URL for the remote site. All s-controls, JavaScript OnClick commands in custom buttons, Apex, and AJAX proxy calls can access this Web address from salesforce.com.

Remote Site Edit   Save   Save & New   Cancel

Remote Site Name	SMS_API
Remote Site URL	https://api.smsprovider.com
Disable Protocol Security	☐ ⓘ
Description	
Active	☑

Save   Save & New   Cancel