

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:
 - If using API Key: set in Named Credential header or as “Password” in Basic Auth.
 - 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



SETUP

Platform Events

Low Inventory Alert Event

New Custom Field

Help for this Page

Step 2. Enter the details

Step 2 of 2

Previous Save Cancel

Field Label

Current Stock

Please enter the length of the number and the number of decimal places. For example, a number with a length of 8 and 2 decimal places can accept values up to "12345678.90".

Length

18

Number of digits to the left of the decimal point

Decimal Places

0

Number of digits to the right of the decimal point

Field Name

Current_Stock

Description

current stock available

Required

☐

Always require a value in this field in order to save a record

Default Value

Show Formula Editor

Use formula syntax: Enclose text and picklist value API names in double quotes - ("the_text"). Include numbers without quotes - (25). Show percentages as decimals - (8.18), and express date calculations in the standard format: (Today() + 7). To

- 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

SETUP

Platform Events

Platform Event

Low Inventory Alert Event

Standard Fields (4) | Custom Fields & Relationships (4)

Help for this Page

Platform Event Definition Detail

Edit

Delete

Singular Label	Low Inventory Alert Event	Description	
Plural Label	Low Inventory Alert Events	Deployment Status	Deployed
Object Name	Low_Inventory_Alert_Event		
API Name	Low_Inventory_Alert_Event__e		
Event Type	High Volume		
Publish Behavior	Publish After Commit		
Created By	RAVI SUNNY KUMAR, 9/26/2025, 3:25 AM	Modified By	RAVI SUNNY KUMAR, 9/26/2025, 3:25 AM

Standard Fields

Action	Field Label	Field Name	Data Type	Controlling Field	Indexed
	Created By	CreatedBy	Lookup(User)		
	Created Date	CreatedDate	Date/Time		
	Event UUID	EventUuid	Text(36)		
	Replay ID	ReplayId	External Lookup		

Custom Fields & Relationships

New

Action	Field Label	API Name	Data Type	Indexed	Controlling Field	Modified By
Edit Del	Current Stock	Current_Stock__c	Number(18, 0)			RAVI SUNNY KUMAR, 9/26/2025, 3:27 AM

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.

Apex Trigger

Help for this Page

Apex Trigger Edit

Save Quick Save Cancel

Apex Trigger

Version Settings

is active

```

1 trigger InventoryTrigger on Inventory__c (after update) {
2     for(Inventor__c inv : Trigger.new) {
3         Inventor__c oldInv = Trigger.oldMap.get(inv.Id);
4         if(inv.Stock_Quantity__c < inv.Reorder_Level__c && oldInv.Stock_Quantity__c >= inv.Reorder_Level__c) {
5             Low_Inventory_Alert__e eventObj = new Low_Inventory_Alert__e(
6                 Product__c = inv.Product_Name__c,
7                 Current_Stock__c = inv.Stock_Quantity__c,
8                 Reorder_Level__c = inv.Reorder_Level__c,
9                 Message__c = 'Stock for ' + inv.Product_Name__c + ' is below reorder level!'
10            );
11            Database.SaveResult sr = EventBus.publish(eventObj);
12        }
13    }
14 }
15

```

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>

External Data Sources

New External Data Source [Help for this Page](#)

Connect to another Salesforce org or a third-party database or content system.

Save Save and New Cancel

External Data Source

Name

Type

Parameters

URL

Connection Timeout (Seconds)

Writable External Objects ☐

High Data Volume ☐

Request Row Counts ☒

Enable Search ☒

Server Driven Pagination ☐

Compress Requests ☐

Custom Query Option for Salesforce

Validate External Data Source: Cattle_Feed_S

Confirm that you can connect to the external system, and synchronize its schema with your Salesforce org.


« [Back to External Data Source: Cattle_Feed_Supplier_Data](#)

Name	Cattle_Feed_Supplier_Data
External Data Source	Cattle_Feed_Supplier_Data
Status	Server URL: https://supplier-erp.com/services/odata/feedStock/\$metadata

Remote Site Settings

1. Go to Setup → Security → Remote Site Settings → New Remote Site.
2. Provide details:

- **Remote Site Name** → (e.g., SMS_API, MilkLab_API, PaymentGateway_API).
 - **Remote Site URL** → The base URL of the external API (e.g., https://api.smsprovider.com).
 - **Active** → ☒ Checked.
3. Save the setting.
 4. Now, when writing **Apex callouts** (e.g., HttpRequest), Salesforce validates the domain against these Remote Site Settings.

 **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

SaveSave & NewCancel

Remote Site Name

SMS_API

Remote Site URL

https://api.smsprovider.com

Disable Protocol Security

☐ ⓘ

Description

Active

☒

SaveSave & NewCancel