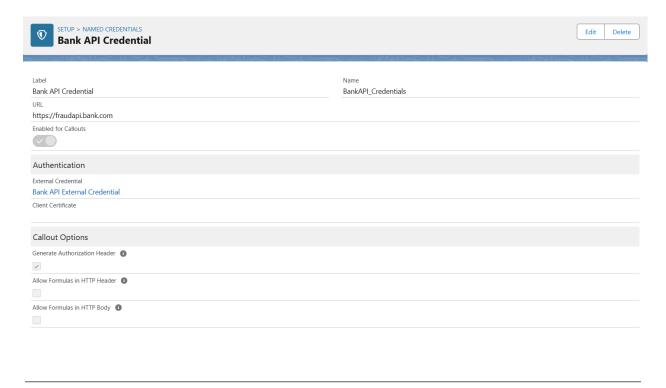
# Phase 7: Integration & External Access

This phase focused on integrating Salesforce with external financial systems to enable real-time fraud checks and alerts. Core work included configuring Named Credentials, making REST callouts, publishing Platform Events, and enabling Change Data Capture for transaction updates.

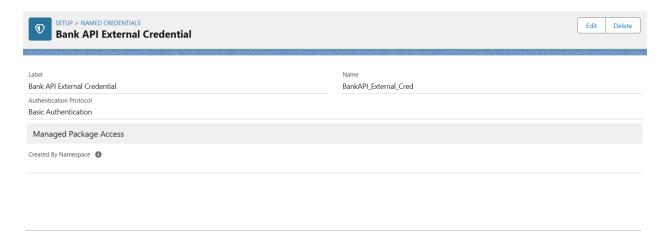
### 1. Named Credentials - Bank API Credential

- Created a Named Credential called Bank API Credential.
- Configured URL: https://fraudapi.mybank.com.
- Authentication set as required by external system (Password Authentication / OAuth).
- Used in Apex callouts to securely connect with the Bank Fraud Detection API.



### 2. External Services

- Registered external API schema in External Services.
- Salesforce auto-generated invocable actions to be used in Flows for fraud verification.



### 3. REST Callouts - FraudCheckService

- Developed an Apex class FraudCheckService.
- Sent transaction details (Id, Amount\_\_c, Account\_\_c) to the Bank Fraud Detection API.
- Received fraud status and risk score in response.
- Updated fields Status and Risk\_Score\_\_c on Transaction\_\_c.

## 4. Triggered Callouts

- Created a trigger on Transaction\_\_c (after insert).
- Collected new transaction IDs and passed them to FraudCheckService.
- Fraud verification ran automatically after transaction creation.

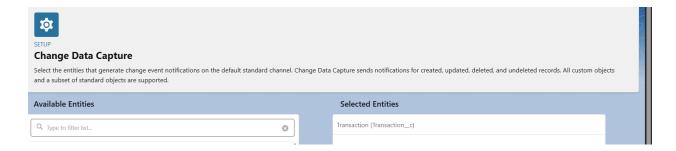
## 5. Platform Events - Suspicious\_Transaction\_\_e

- Created Platform Event Suspicious\_Transaction\_\_e with fields:
  - o TransactionId\_\_c
  - Account c
  - Risk\_Score\_\_c
  - Status\_\_c
  - o Reason c
- Developed Apex class **FraudEventPublisher** to publish an event if risk score ≥ 80.
- External systems subscribed to the event channel for real-time alerts.



# 6. Change Data Capture (CDC)

- Enabled CDC for Transaction\_c object in Setup.
- Configured external systems to subscribe to /data/Transaction\_\_ChangeEvent.
- Provided real-time notifications whenever transactions were created, updated, deleted, or undeleted.



## 7. Salesforce Connect

- Configured external data source using OData.
- Synced external objects into Salesforce for reference if transaction data is stored in external systems.

## 10. Remote Site Settings

- Created Remote Site Setting named BankFraudAPI.
- Added URL https://fraudapi.mybank.com.
- Allowed Salesforce to make API callouts to the bank's fraud detection service.

