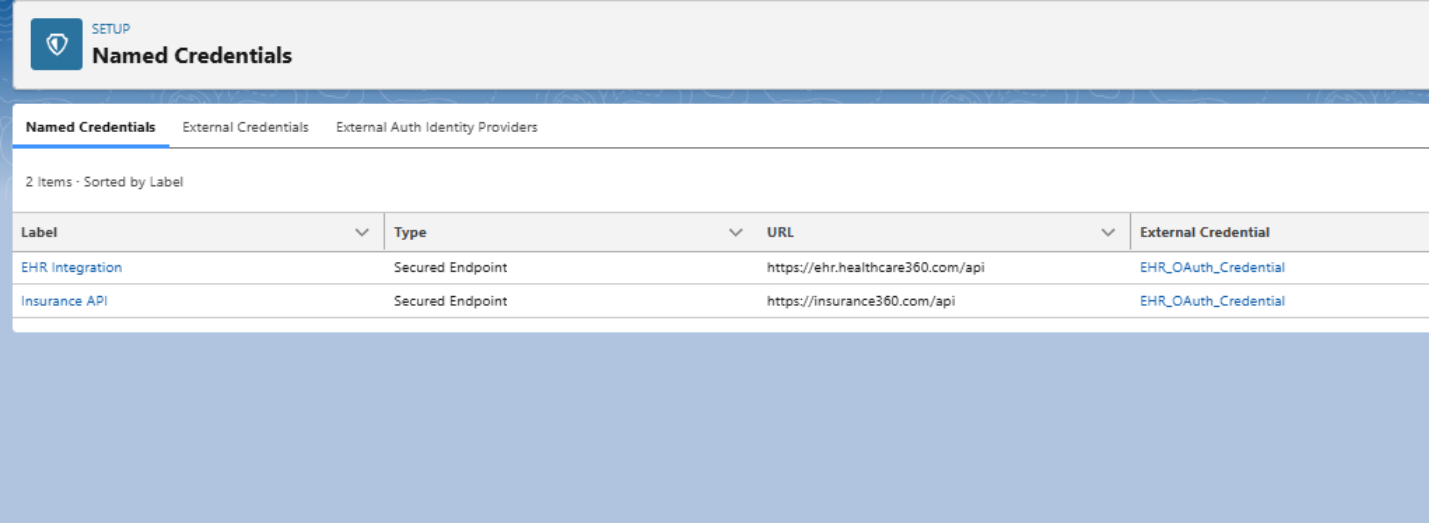


□ Phase 7: Integration & External Access

1. Named Credentials

- **Purpose:** Securely store authentication details for external endpoints.
- **Configuration:**
 - Type: Named Principal
 - Auth Protocol: OAuth 2.0 / API Key
 - URL: Base endpoint of external service (e.g., `https://api.insurance360.com`)
- **Usage:** Linked to External Services or Apex callouts.

Healthcare Mapping: Used to authenticate securely with insurance APIs, EHR systems, or lab platforms.

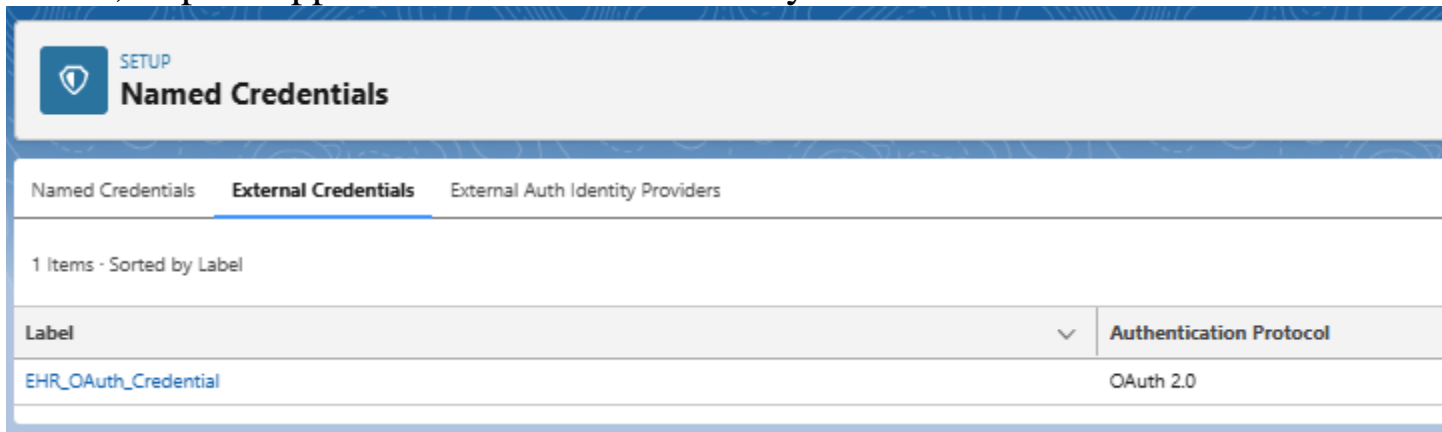


SETUP Named Credentials			
Named Credentials External Credentials External Auth Identity Providers			
2 Items - Sorted by Label			
Label	Type	URL	External Credential
EHR Integration	Secured Endpoint	https://ehr.healthcare360.com/api	EHR_OAuth_Credential
Insurance API	Secured Endpoint	https://insurance360.com/api	EHR_OAuth_Credential

2. External Services

- **Purpose:** Declarative integration with REST APIs using OpenAPI schema.
- **Configuration:**
 - Schema Type: OpenAPI 3.0
 - Source: Uploaded JSON/YAML or URL
 - Linked Named Credential: Required
- **Usage:** Generates invocable actions for Flows.

Healthcare Mapping: Used to validate insurance policies, fetch patient details, or push appointment data to external systems.



SETUP Named Credentials	
Named Credentials	External Credentials
1 Items - Sorted by Label	
Label	Authentication Protocol
EHR_OAuth_Credential	OAuth 2.0

4. Callouts


- **Purpose:** Outbound HTTP requests from Apex or Flow.
- **Requirements:**
 - Remote Site Settings or Named Credentials
 - Must be asynchronous in triggers
- **Usage:** REST/SOAP callouts to external systems.

Healthcare Mapping: Used to send appointment data, verify coverage, or retrieve lab results.

5. Platform Events

- **Purpose:** Publish-subscribe model for custom event delivery.
- **Configuration:**
 - API Name: AppointmentBookedEvent__e
 - Publish Behavior: After Commit
 - Publisher Type: Apex/Declarative
- **Usage:** Published via Flow or Apex, subscribed via Streaming API.

Healthcare Mapping: Used to notify EHR systems when appointments are booked.



 **Platform Events**

Platform Event

AppointmentBookedEvent

[Standard Fields \(4\)](#) | [Custom Fields & Relationships \(4\)](#)

Platform Event Definition Detail Edit Delete

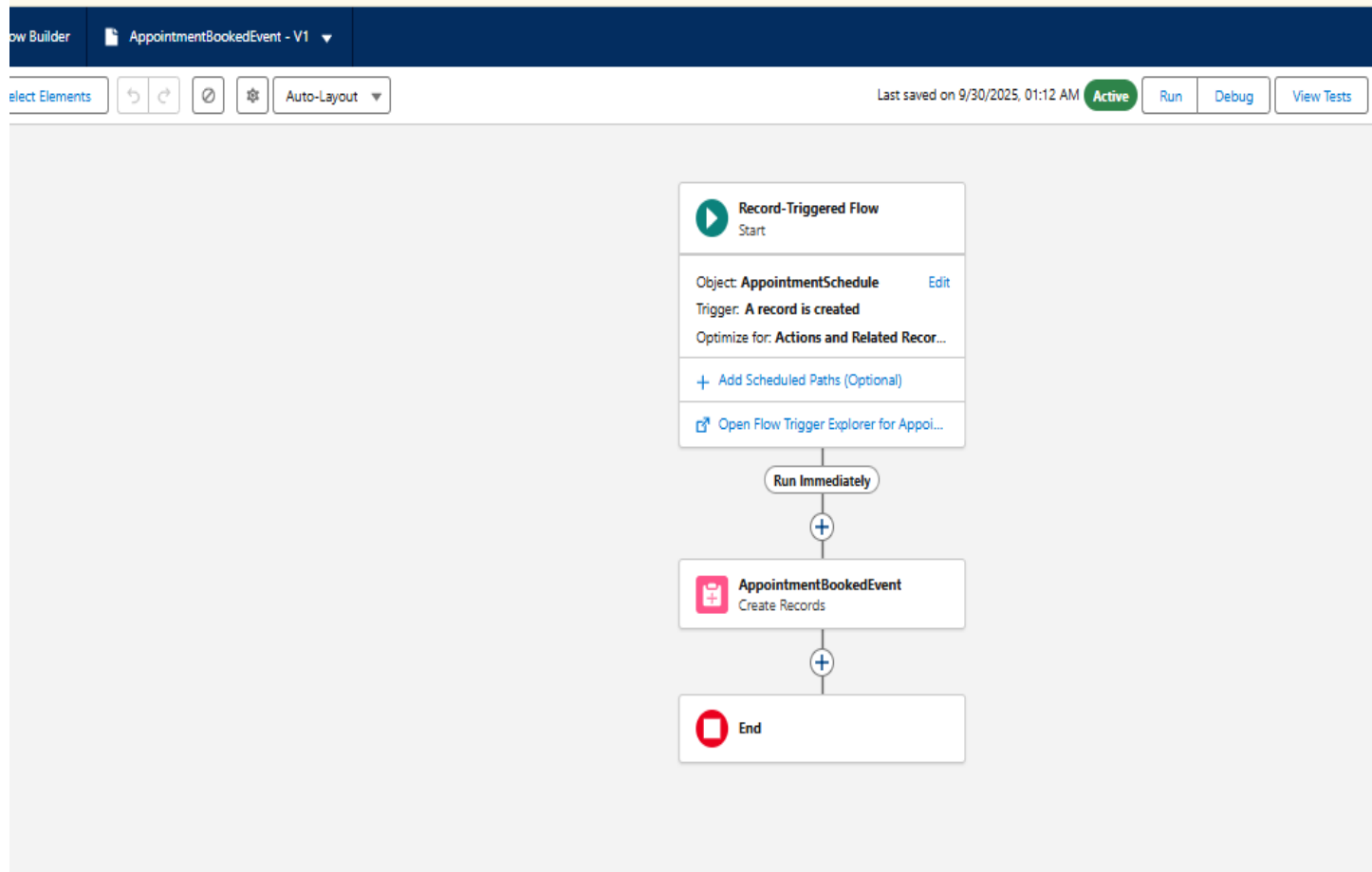
Singular Label	AppointmentBookedEvent	Description
Plural Label	AppointmentBookedEvents	Deployment Status
Object Name	AppointmentBookedEvent	
API Name	AppointmentBookedEvent__e	
Event Type	High Volume 	
Publish Behavior	Publish After Commit 	
Created By	Palak Yadav, 9/29/2025, 11:58 AM	Modified By

Standard Fields

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

Custom Fields & Relationships New

Action	Field Label	API Name	Data Type	Indexed	Controlling Field
Edit Del	Appointment Time	Appointment_Time__c	Date/Time		
Edit Del	Doctor ID	Doctor_ID__c	Text(60)		
Edit Del	Patient ID	Patient_id__c	Text(60)		
Edit Del	Status	Status__c	Text(60)		



6. Change Data Capture (CDC)

- **Purpose:** Track changes to Salesforce records in real time.
- **Configuration:**
 - Enabled Object: `AppointmentSchedule__c`
 - Event Name: `AppointmentSchedule__cChangeEvent`
- **Usage:** Subscribed via Streaming API or middleware.

Healthcare Mapping: Used to stream appointment updates, cancellations, and reschedules to external systems.

7. Salesforce Connect

- **Purpose:** Access external data in real time via External Objects.
- **Configuration:**
 - Data Source Type: OData 4.0 / Apex Connector
 - External Object Suffix: ____x
- **Usage:** Used in Flows, Reports, and Lightning Pages.

Healthcare Mapping: Used to display insurance coverage, patient history, or lab results without storing data in Salesforce.

8. API Limits

- **Purpose:** Monitor and manage API consumption.
- **Daily Limits:** Varies by edition (e.g., 100,000/day for Enterprise)
- **Monitoring Tools:**
 - Setup → System Overview
 - Event Monitoring
 - Developer Console
- **Alerts:** Triggered via Flow or Apex when usage exceeds threshold.

Healthcare Mapping: Ensures uptime during peak hours and prevents integration failures.

9. OAuth & Authentication

- **Purpose:** Secure access to external systems.
- **Configuration:**
 - Connected App with OAuth scopes
 - Token exchange via Named Credential or Apex

- **Usage:** Required for Streaming API, External Services, and middleware.

Healthcare Mapping: Used to authenticate securely with EHR, insurance, and lab APIs.

10. Remote Site Settings

- **Purpose:** Whitelist external endpoints for Apex callouts.
- **Configuration:**
 - Add base URL of external service
 - Required if Named Credential is not used
- **Usage:** Enables REST/SOAP callouts from Apex.

Healthcare Mapping: Used for legacy integrations or quick testing of external endpoints.
