

Phase 7: Integration & External Access

1. Named Credentials

- **Definition:** A secure way to store authentication settings for external systems so you don't have to manage passwords and tokens in code.
 - **Purpose in NeuroWell:** Enables seamless connection to external APIs (e.g., mental health data providers, AI analytics services) without exposing credentials.
 - **Example Use:** Storing API access keys for an external wellness analytics service to fetch stress-level predictions.
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2. External Services

- **Definition:** Salesforce feature to connect and consume external APIs declaratively without writing much code.
 - **Purpose in NeuroWell:** Allows integrating external mental health datasets or third-party wellness APIs.
 - **Example Use:** Connecting to an external emotion-analysis API that detects stress levels from text input by patients.
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3. Web Services (REST/SOAP)

- **Definition:** Methods Salesforce uses to exchange data with external systems via REST or SOAP protocols.
 - **Purpose in NeuroWell:** Allows the platform to send or receive data in real-time with external mental health platforms.
 - **Example Use:** Pulling real-time therapy session updates from a counseling partner using REST API.
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4. Callouts

- **Definition:** HTTP requests sent from Salesforce to external services.
- **Purpose in NeuroWell:** Fetch or push real-time information like patient status or wellness scores.
- **Example Use:** Sending patient mood data to an external analytics service and receiving a wellness score.

5. Platform Events

- **Definition:** Event-driven messaging system in Salesforce to facilitate real-time communication between apps.
- **Purpose in NeuroWell:** Allows real-time updates for patient progress or session logs across different systems.
- **Example Use:** Publishing a “New Session Scheduled” event so external systems update instantly.

6. Change Data Capture (CDC)

- **Definition:** Salesforce feature that notifies external systems about record changes in real time.
- **Purpose in NeuroWell:** Keeps external wellness dashboards or analytics systems synchronized with Salesforce data.
- **Example Use:** Automatically notifying an analytics dashboard when a patient’s stress level record changes.

7. Salesforce Connect

- **Definition:** Tool to access and display data from external systems in Salesforce without storing it in Salesforce.
- **Purpose in NeuroWell:** Access patient wellness data from external sources without duplicating records.
- **Example Use:** Viewing external patient records directly within NeuroWell without importing them.

8. API Limits

- **Definition:** Salesforce imposes limits on the number of API calls to ensure stability.
- **Purpose in NeuroWell:** Helps plan integrations and avoid exceeding limits.
- **Example Use:** Optimizing frequency of callouts to an external mental health API to stay within daily limits.

9. OAuth & Authentication

- **Definition:** Standard protocol for secure authorization to external services.
- **Purpose in NeuroWell:** Ensures secure connections between NeuroWell and external systems without exposing user credentials.
- **Example Use:** OAuth authentication to connect NeuroWell with a third-party counseling service.

10. Remote Site Settings

- **Definition:** A security feature in Salesforce that specifies which external sites can be called via Apex callouts.
- **Purpose in NeuroWell:** Ensures only trusted external APIs can be accessed.
- **Example Use:** Adding the URL of an external mental wellness API to Remote Site Settings to allow secure data exchange.