

## Phase 7:

# Integration & External Access (Optional)

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### 1) Why Integration Matters

In **GreenTrack**, integration could:

- Fetch carbon footprint conversion rates from an external API.
  - Allow data sharing with NGO websites.
  - Send real-time notifications to collaboration tools (Slack, Teams).
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### 2) Named Credentials (Best Practice for Secure Callouts)

**Purpose:** Store API URL + authentication securely.

- Setup → Quick Find → **Named Credentials** → New.
- Example:
  - Label: **CarbonAPI**
  - URL: **<https://api.carboninterface.com>**
  - Identity Type: Anonymous (for demo)
- This ensures hard-code URLs in Apex aren't required.

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### 3) Remote Site Settings (Mandatory for Callouts)

Salesforce blocks external calls unless the endpoint is whitelisted.

- Setup → Quick Find → **Remote Site Settings** → New.
- Remote Site Name: [CarbonAPI\\_Site](#)
- Remote Site URL: <https://api.carboninterface.com>

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### 5) Platform Events (Optional)

Simulate **real-time notifications** (e.g., large eco activity triggers an event).

- Setup → Platform Events → New.
- Example: [Sustainability\\_Event\\_\\_e](#) with fields (Activity, CO<sub>2</sub> Saved, User).
- Trigger → When activity > 1000 CO<sub>2</sub> saved → Publish event.

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### 6) OAuth & Authentication (Mention for Docs)

- If a real API requires login, configure OAuth under **Named Credentials**.
- Considered **OAuth but kept integration simple** for demo.