Interacting with one REST API from another REST API in a Spring Boot application typically involves using the RestTemplate or WebClient classes. Both classes provide methods to send HTTP requests to external APIs and handle the responses. Below, I’ll explain how to set up both methods along with examples.

**1. Using RestTemplate**

RestTemplate is a synchronous client provided by Spring for making HTTP requests.

**Step 1: Add Dependency**

Ensure you have the following dependency in your pom.xml for Maven projects:

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**Method Descriptions**:

* getForObject(String url, Class<T> responseType): Retrieves an entity by doing a GET request.
* postForObject(String url, Object request, Class<T> responseType): Sends a POST request.

**2. Using WebClient**

WebClient is a more modern, non-blocking alternative to RestTemplate, introduced in Spring 5.

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**Step 3: Use WebClient in Your Service**

Now you can use the WebClient to interact with another REST API:

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**Method Descriptions**:

* retrieve(): Initiates the request and prepares the response.
* bodyToMono(Class<T> responseType): Converts the response body to a Mono of the specified type.

**3. Error Handling**

**For RestTemplate**: You can handle errors using ResponseEntity or by using exception handling:

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