# Spring Cloud Open Feign

Spring Cloud OpenFeign is a declarative HTTP client library for building RESTful microservices. It integrates seamlessly with Spring Cloud and simplifies the development of HTTP clients by allowing you to create interfaces that resemble the API of the target service. It abstracts away much of the boilerplate code typically associated with making HTTP requests, making your codebase cleaner and more maintainable.

```
<dependency>
  <groupId>org.springframework.cloud</groupId>
  <artifactId>spring-cloud-starter-openfeign</artifactId>
</dependency>
```

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Open Feign seamlessly integrates with service discovery and load balancing provided by tools like Eureka. It allows you to refer to services by their names rather than specific host and port, which is essential in a microservices architecture.

```java
import org.springframework.cloud.openfeign.FeignClient;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;


@FeignClient(name = "example-service") // "example-service" is the name o
public interface ExampleFeignClient {
 @GetMapping("/api/resource/{id}")
 Resource getResource(@PathVariable("id") Long id);
}
```