【Bug 排除】OpenFeign：InvalidDefinitionException: Cannot construct instance of `reactor.core.publisher.Mono`

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原文链接：https://ld246.com/article/1608174041953

来源网站：链滴

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问题描述

OepnFeign客户端使用WebFlux时遇到错误

● FeignClient：

```
@GetMapping("/{deviceId}/test")
Mono<R> test(@PathVariable(value = "deviceId") String deviceId);
```

调用后报错：

feign.codec.DecodeException: Type definition error: [simple type, class reactor.core.publisher Mono]; nested exception is com.fasterxml.jackson.databind.exc.InvalidDefinitionException: Ca not construct instance of `reactor.core.publisher.Mono` (no Creators, like default construct, ex st): abstract types either need to be mapped to concrete types, have custom deserializer, or c ntain additional type information
 at [Source: (PushbackInputStream); line: 1, column: 1]
    at feign.SynchronousMethodHandler.decode(SynchronousMethodHandler.java:182) ~[feig -core-10.4.0.jar:na]
    Suppressed: reactor.core.publisher.FluxOnAssembly$OnAssemblyException:
Assembly trace from producer [reactor.core.publisher.MonoFlatMap] :
    reactor.core.publisher.Mono.flatMap
    org.springframework.web.reactive.result.method.InvocableHandlerMethod.invoke(Invocabl HandlerMethod.java:137)
Error has been observed at the following site(s):

解决办法：

查看Spring官网文档，发现目前（2020-12-17）OpenFeign 暂不支持 WebFlux：

https://docs.spring.io/spring-cloud-openfeign/docs/2.2.5.RELEASE/reference/html/#reactive- upport

1.14. Reactive Support

As the OpenFeign project does not currently support reactive clients, such as Spring WebClient, neither does Spring Cloud OpenFeign. We will add support for it here as soon as it becomes available in the core project.

Until that is done, we recommend using feign-reactive for Spring WebClient support.

1.14.1. Early Initialization Errors

Depending on how you are using your Feign clients you may see initialization errors when starting your application. To work around this problem you can use an `ObjectProvider` when autowiring your client.

```java
@Autowired
ObjectProvider<TestFeginClient> testFeginClient;
```

2. Configuration properties

To see the list of all Sleuth related configuration properties please check the Appendix page.

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官方建议使用：https://github.com/Playtika/feign-reactive 解决