

# REST API - Read Only



# REST API

I don't want that!  
I want the REST API as READ-ONLY

- Spring Data REST will expose ALL these endpoints for free!

HTTP Method		CRUD Action
X POST	/books	Create a new book
✓ GET	/books	Read a list of books
✓ GET	/books/{id}	Read a single book
X PUT	/books/{id}	Update an existing book
X DELETE	/books/{id}	Delete an existing book

# Possible Solutions

1. Option 1: Don't use Spring Data REST
  1. Manually create our own `@RestController`
  2. Manually define methods for access: `@GetMapping`
  3. But we lose the Spring Data REST support for paging, sorting etc :-(
2. Option 2: Use Spring Data REST  **Choose this one!**
1. Configure to disable certain HTTP methods: POST, DELETE etc...

We will cover  
REST API Security  
later in the course



# Spring Data REST Configuration

- Disable HTTP methods: POST, PUT, DELETE, PATCH

From Spring Data REST

```
@Configuration  
public class MyDataRestConfig implements RepositoryRestConfigurer {  
  
    @Override  
    public void configureRepositoryRestConfiguration(RepositoryRestConfiguration config) {  
  
        HttpMethod[] theUnsupportedActions = {HttpMethod.PUT, HttpMethod.POST, HttpMethod.DELETE, HttpMethod.PATCH};  
  
        // disable HTTP methods for Book: PUT, POST, DELETE and PATCH  
        config.getExposureConfiguration()  
            .forDomainType(Book.class)  
            .withItemExposure((metadata, httpMethods) -> httpMethods.disable(theUnsupportedActions))  
            .withCollectionExposure((metadata, httpMethods) -> httpMethods.disable(theUnsupportedActions));  
    }  
}
```

Single item

Apply to Repo for: Book

Collection

HTTP methods to disable

Disable