**How to enable swagger in spring boot?**

Swagger2 is an open source project used to generate the REST API documents for RESTful web services. It provides a user interface to access our RESTful web services via the web browser.

To enable the Swagger2 in Spring Boot application, you need to add the following dependencies in our build configurations file.

<dependency>

<groupId>io.springfox</groupId>

<artifactId>springfox-swagger2</artifactId>

<version>2.7.0</version>

</dependency>

<dependency>

<groupId>io.springfox</groupId>

<artifactId>springfox-swagger-ui</artifactId>

<version>2.7.0</version>

</dependency>

Now, add the @EnableSwagger2 annotation in your main Spring Boot application. The @EnableSwagger2 annotation is used to enable the Swagger2 for your Spring Boot application.

The code for main Spring Boot application is shown below −

package com.demo.swaggerdemo;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import springfox.documentation.swagger2.annotations.EnableSwagger2;

@SpringBootApplication

@EnableSwagger2

public class SwaggerDemoApplication {

public static void main(String[] args) {

SpringApplication.run(SwaggerDemoApplication.class, args);

}

}

Next, create Docket Bean to configure Swagger2 for your Spring Boot application. We need to define the base package to configure REST API(s) for Swagger2.

@Bean

public Docket productApi() {

return new Docket(DocumentationType.SWAGGER\_2).select()

.apis(RequestHandlerSelectors.basePackage("com.demo.swaggerdemo")).build();

}

Now, add this bean in main Spring Boot application class file itself and your main Spring Boot application class will look as shown below −

package com.demo.swaggerdemo;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.context.annotation.Bean;

import springfox.documentation.builders.RequestHandlerSelectors;

import springfox.documentation.spi.DocumentationType;

import springfox.documentation.spring.web.plugins.Docket;

import springfox.documentation.swagger2.annotations.EnableSwagger2;

@SpringBootApplication

@EnableSwagger2

public class SwaggerDemoApplication {

public static void main(String[] args) {

SpringApplication.run(SwaggerDemoApplication.class, args);

}

@Bean

public Docket productApi() {

return new Docket(DocumentationType.SWAGGER\_2).select()

.apis(RequestHandlerSelectors.basePackage("com.demo.swaggerdemo")).build();

}

}

Now, the code to build two simple RESTful web services GET and POST in Rest Controller file is shown here −

package com.demo.swaggerdemo;

import java.util.ArrayList;

import java.util.List;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RequestMethod;

import org.springframework.web.bind.annotation.RestController;

@RestController

public class SwaggerAPIController {

@RequestMapping(value = "/products", method = RequestMethod.GET)

public List<String> getProducts() {

List<String> productsList = new ArrayList<>();

productsList.add("Honey");

productsList.add("Almond");

return productsList;

}

@RequestMapping(value = "/products", method = RequestMethod.POST)

public String createProduct() {

return "Product is saved successfully";

}

}

**http://localhost:8080/swagger-ui.html**

