

# springboot/springcloud+swagger生成html文件

- pom文件配置

```
<dependency>
  <!-- 主要依赖包 -->
  <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>
  <!-- 生成 asciidoc&markdown文件包 -->
  <dependency>
    <groupId>io.github.swagger2markup</groupId>
    <artifactId>swagger2markup</artifactId>
    <version>1.3.1</version>
  </dependency>
  <!-- 需要明确导入如下两个包，防止jar冲突带来的问题 -->
  <dependency>
    <groupId>io.swagger</groupId>
    <artifactId>swagger-core</artifactId>
    <version>1.5.16</version>
  </dependency>
  <dependency>
    <groupId>io.swagger</groupId>
    <artifactId>swagger-models</artifactId>
    <version>1.5.16</version>
  </dependency>
</dependency>
<build>
  <plugins>
    <!-- 执行此插件必须要先生成ASCIIDOC文件，在执行生成HTML和PDF api文档-->
    <plugin>
      <groupId>org.asciidoctor</groupId>
      <artifactId>asciidoctor-maven-plugin</artifactId>
```

```

<version>1.5.6</version>
<!-- Include Asciidoctor PDF for pdf generation -->
<dependencies>
  <dependency>
    <groupId>org.asciidoctor</groupId>
    <artifactId>asciidoctorj-pdf</artifactId>
    <version>1.5.3</version>
  </dependency>
  <dependency>
    <groupId>org.jruby</groupId>
    <artifactId>jruby-complete</artifactId>
    <version>9.2.11.1</version>
  </dependency>
</dependencies>
<!-- Configure generic document generation settings -->
<configuration>
  <!--asciidoc文件目录-->
  <sourceDirectory>docs/asciidoc/generated</sourceDirectory>
  <!--生成html文件-->
  <backend>html5</backend>
  <!--生成pdf文件乱码，参考方案：https://blog.csdn.net/qq_29534483/article/details/81235081 -->
  <!--          <backend>pdf</backend>-->
  <outputDirectory>docs/asciidoc/html</outputDirectory>
  <sourceHighlighter>coderay</sourceHighlighter>
  <attributes>
    <!--导航栏在左-->
    <toc>left</toc>
    <!--显示层级数-->
    <!--<toclevels>3</toclevels>-->
    <!--自动打数字序号-->
    <sectnums>>true</sectnums>
  </attributes>
</configuration>
</plugin>
<plugins>
</build>

```

- java api参数 相关配置注解

- controller 配置: `@Api(tags = "API管理测试")`
- controller api方法配置: `@ApiOperation("添加商品")`

- 请求参数实体对象属性配置: `@ApiModelProperty(value = "主键")`

```
//RestController伪代码示例:
@Api(tags = "API管理测试")
@RestController
@RequestMapping(path = "/rest/v1")
public class RestApiController {

    @ApiOperation("添加商品")
    @RequestMapping(value = "/setUser")
    public boolean addProduct(@RequestBody UserDto userDto) {
        return true;
    }
}

//UserDto请求参数伪代码示例:
//@ApiModelProperty(value = "用户信息")
public class UserDto{
    @ApiModelProperty(value = "主键")
    private Long id;

    @ApiModelProperty(value = "用户名")
    private String username;

    @ApiModelProperty(value = "密码")
    private String password;
}
```

- swagger 导出

- 使用代码生成 asciidoc文件

```
@RunWith(SpringRunner.class)
// WebEnvironment.DEFINED_PORT固定IP, 不使用随机IP
@SpringBootTest(webEnvironment = WebEnvironment.DEFINED_PORT)
public class MallPmsWebTest {

    @Test
    public void generateApiDocs() throws Exception {
        Swagger2MarkupConfig config = new Swagger2MarkupConfigBuilder()
            // MarkupLanguage.ASCIIDOC MarkupLanguage.MARKDOWN MarkupLa
            nguage.CONFLUENCE_MARKUP
    }
}
```

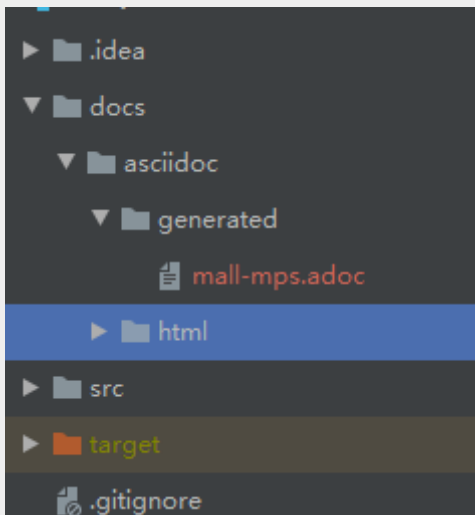
```

        .withMarkupLanguage(MarkupLanguage.ASCIIDOC)
        // 设置输出语言，中文
        .withOutputLanguage(Language.ZH)
        .withPathsGroupedBy(GroupBy.TAGS)
        .withoutInlineSchema()
        .withGeneratedExamples().build();

//设置swagger-api的json来源 设置本机ip:端口
Swagger2MarkupConverter.from(new URL("http://localhost:8002/v2/a
pi-docs")).withConfig(config).build()
        // 设置输出到指定文件夹
        // .toFolder(Paths.get("./docs/asciidoc/generated"));
        // 输出文件路径汇总成单个文件
        .ToFile(Paths.get("./docs/asciidoc/generated/mall-mps"));
    }
}

```

生成文件路径样例：



- 使用asciidoctor-maven-plugin插件生成html文件

