

## 工具类

```
1 <!-- io工具类 -->
2 <dependency>
3 <groupId>commons-io</groupId>
4 <artifactId>commons-io</artifactId>
5 </dependency>
```

## 文件上传

```
1 @RestController
2 @RequestMapping("/file")
3 public class FileController {
4
5     String folder = "D:\\工作空间\\workspace-sts\\xiaoming-security-demo\\src
6     \\main\\java\\com\\xiaoming\\web\\controller";
7
8     /**
9      * 文件上传
10     * @param file
11     * @return
12     * @throws IllegalStateException
13     * @throws IOException
14     */
15     @PostMapping
16     public FileInfo upload(MultipartFile file) throws
17     IllegalStateException, IOException {
18         System.out.println(file.getName());
19         System.out.println(file.getOriginalFilename());
20         System.out.println(file.getSize());
21
22         File localFile = new File(folder, new Date().getTime()+".txt");
23
24         file.transferTo(localFile);//将文件写到本地文件
25         return new FileInfo(localFile.getAbsolutePath());
26     }
27 }
28
29 package com.xiaoming.dto;
30
31 public class FileInfo {
32
33     private String path;
```

```

7
8  public FileInfo(String path) {
9      this.path = path;
10 }
11
12 public String getPath() {
13     return path;
14 }
15
16 public void setPath(String path) {
17     this.path = path;
18 }
19
20 }

```

## 文件下载

```

1  @RestController
2  @RequestMapping("/file")
3  public class FileController {
4
5      String folder = "D:\\工作空间\\workspace-sts\\xiaoming-security-demo\\src
        \\main\\java\\com\\xiaoming\\web\\controller";
6
7      @GetMapping("/{id}")
8      public void download(@PathVariable String id, HttpServletRequest
        request, HttpServletResponse response) throws FileNotFoundException, IOExce
        ption {
9          try (InputStream inputStream = new FileInputStream(new File(folder,
            id+".txt"));
10             OutputStream outputStream = response.getOutputStream());{
11
12             response.setContentType("application/x-download");
13             response.addHeader("Content-Disposition", "attachment;filename=test.tx
                t");//定义下载文件名
14             IOUtils.copy(inputStream, outputStream);//把文件输入流copy到输出流，就是把
                文件写到响应中，也就是下载
15             outputStream.flush();
16         }
17     }
18 }
19

```

