关于Mongo上传下载

1. 导入依赖

*<!--文件上传支持-->*<**dependency**>  
 <**groupId**>commons-fileupload</**groupId**>  
 <**artifactId**>commons-fileupload</**artifactId**>  
 <**version**>1.2.1</**version**>  
</**dependency**>  
  
<**dependency**>  
 <**groupId**>org.mybatis.spring.boot</**groupId**>  
 <**artifactId**>mybatis-spring-boot-starter</**artifactId**>  
 <**version**>2.0.0</**version**>  
</**dependency**>  
<**dependency**>  
 <**groupId**>eu.medsea.mimeutil</**groupId**>  
 <**artifactId**>mime-util</**artifactId**>  
 <**version**>2.1.3</**version**>  
</**dependency**>  
<**dependency**>  
 <**groupId**>commons-codec</**groupId**>  
 <**artifactId**>commons-codec</**artifactId**>  
</**dependency**>

配置文件：

**spring.data.mongodb.host**=**10.88.123.63  
spring.data.mongodb.port**=**30092  
spring.data.mongodb.username**=**admin  
spring.data.mongodb.password**=**Richfit@2019\_06  
spring.data.mongodb.database**=**flowImg**

1. 主要接口

@Autowired  
**private** GridFsTemplate **gridFsTemplate**;  
@Autowired  
**private** MongoDbFactory **mongoDbFactory**;

1. 上传文件

@PostMapping(**"/flowmeter/pictures"**)  
**public** JSONObject uploadPicture(@RequestParam(**"file"**) MultipartFile file,  
 @RequestParam(**"conId"**)String conId,  
 @RequestParam(**"custId"**)String custId,  
 @RequestParam(**"typeId"**)String typeId,  
 HttpServletRequest request){  
 JSONObject object = **new** JSONObject();  
 System.***out***.println(conId+**"成功调用"**+custId);  
 DBObject obj = **new** BasicDBObject(**"metadata.conId"**, conId);  
 BASE64Encoder encoder = **new** BASE64Encoder();  
 ((BasicDBObject) obj).append(**"metadata.custId"**,custId);  
 ((BasicDBObject) obj).append(**"metadata.typeId"**,typeId);  
 ((BasicDBObject) obj).append(**"filename"**,file.getOriginalFilename());  
 Query query=**new** BasicQuery(((BasicDBObject) obj).toString());  
 GridFSFile gfsFile = **gridFsTemplate**.findOne(query);  
 *//GridFSFindIterable iter = gridFsTemplate.find(query);* **if**(gfsFile!=**null**){  
 **gridFsTemplate**.delete(query);  
 }  
 **try** {  
 InputStream content = file.getInputStream();  
 String contentType = file.getContentType();  
 String fileName = file.getOriginalFilename();  
 DBObject metadata = **new** BasicDBObject(**"conId"**, conId);  
 ((BasicDBObject) metadata).append(**"custId"**, custId);  
 ((BasicDBObject) metadata).append(**"typeId"**, typeId);  
 ObjectId id = **gridFsTemplate**.store(content, fileName, contentType, metadata);  
 System.***out***.println(id.toString());  
 object.put(**"result"**,**"success"**);  
 object.put(**"data"**,id);  
 }**catch**(Exception e){  
 object.put(**"result"**,**"fail"**);  
 }  
 **return** object;  
}这里方式是一个一个上传，已存在就替换

四，下载文件

@GetMapping(**"/flowmeter/pictures/{id}"**)  
**public** JSONObject downloadPicture(@PathVariable String id, HttpServletResponse response) {  
 JSONObject json = **new** JSONObject();  
 DBObject obj = **new** BasicDBObject();  
 BASE64Encoder encoder = **new** BASE64Encoder();  
 ((BasicDBObject) obj).put(**"\_id"**,id);  
 Query query=**new** BasicQuery(((BasicDBObject) obj).toString());  
 GridFSFindIterable iter = **gridFsTemplate**.find(query);  
 MongoCursor<GridFSFile> cursor = iter.iterator();  
 **while**(cursor.hasNext()) {  
 GridFSFile gridFsdbFile = cursor.next();  
 *// mongo-java-driver3.x以上的版本就变成了这种方式获取* GridFSBucket bucket = GridFSBuckets.*create*(**mongoDbFactory**.getDb());  
 ByteArrayOutputStream baos = **new** ByteArrayOutputStream();  
 *// 获取Mongodb中文件的缓存输出流* bucket.downloadToStream(gridFsdbFile.getId(), baos);  
 response.setContentType(gridFsdbFile.getMetadata().get(**"\_contentType"**).toString());  
 response.setHeader(**"Content-Disposition"**, **"attachment;filename=\""** + gridFsdbFile.getFilename() + **"\""**);  
 **try** {  
 response.getOutputStream().write(baos.toByteArray());  
 json.put(**"result"**,**"success"**);  
 } **catch** (IOException e) {  
 e.printStackTrace();  
 json.put(**"result"**,**"fail"**);  
 }  
 }  
 **return** json;  
}

五．前端调用

<**Upload  
multiple  
action="//127.0.0.1:8888/fileoperation/flowmeter/pictures?conId=eqweq232&custId=bcajkhbjh123&typeId=001"**>  
 <**Button type="info" icon="ios-cloud-upload-outline"**>点击上传</**Button**>  
</**Upload**>