链滴

mongodb3.0.6使用

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原文链接：https://ld246.com/article/1444894132804

来源网站：链滴

- 启动

mongod --dbpath=/home/data

- 带权限启动
    - 连接mongo admin 数据库

mongo admin

-
    - 增加用户

db.createUser({user:'user',pwd:'123456',roles:[{role:'dbOwner',db:'userdb'}]})

-
    - 以带权限方式启动

mongod --dbpath=/home/data --auth

-
    - 带权限登录

mongo admin -u user -p 123456

- mongod 启动后在后台运行
    - --fork 参数， 必须指定日志 --logpath=文件，--logappend用户日志文件向后追加

mongod --dbpath=/home/data --logappend --logpath=/home/log/mongod.log --fork

-
    - fork后台运行如何关闭

kill - 9 pid 或 进入admin --> use admin --> db.shutdownServer();

- 推荐windows查看mongodb管理工具 robomongo,mongoVUE
- 开启权限后出现问题

1. sping boot 连接不上
2. mongodb管理工具也连接不上
3. mongo admin -u user -p 123456可以连接

原因是：mongodb 3后默认使用了 SCRAM-SHA-1 加密方式

解决方法:

修改数据库认证方式

```
 * 关闭mongo服务，然后以未认证形式启动

 * 修改system.version文档里面的authSchema版本为3，初始安装时候应该是5

   > ` use admin `
   > switched to db admin
   > var schema = db.system.version.findOne({"_id" : "authSchema"})
   > schema.currentVersion = 3
   > db.system.version.save(schema)
     > WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

 * 原来创建的用户已经使用了SCRAM-SHA-1认证方式,需要删除后再新建

   >  db.dropUser("user")
```

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```
> true
> db.createUser({user:'user',pwd:'123456',roles:[{role:'dbOwner',db:'userdb'}]})
```

* 叁考 http://21jhf.iteye.com/blog/2216103

修改代码方式（但是数据库管理工具还是连不上）

- spring boot 配置叁考： http://zjumty.iteye.com/blog/2198432?utm_source=tuicool

主要是两个类 ,一个MongoDBConfiguration

```
@Configuration
@EnableConfigurationProperties(MongoProperties.class)
public class MongoDBConfiguration {

@Autowired
private MongoProperties properties;
@Autowired(required = false)
private MongoClientOptions options;
private Mongo mongo;
@PreDestroy
public void close() {
    if (this.mongo != null) {
        this.mongo.close();
    }
}
@Bean
public Mongo mongo() throws UnknownHostException {
    this.mongo = mongoClient();
    return this.mongo;
}

public MongoClient mongoClient() throws UnknownHostException{
    return this.properties.createMongoClient(this.options);
}
@Bean
public MongoDbFactory mongoDbFactory() throws Exception {
    return new SimpleMongoDbFactory(mongoClient(),"gsiao");
}
}
```

和修改MongoProperties源码后的类，在项目下新建类org.springframework.boot.autoconfigure mongo.MongoProperties覆盖，
主要改地方是

```
 public MongoClient createMongoClient(MongoClientOptions options)
    throws UnknownHostException {
    try {
    if (hasCustomAddress() || hasCustomCredentials()) {
        if (options == null) {
            options = MongoClientOptions.builder().build();
        }
        List<MongoCredential> credentials = null;
        if (hasCustomCredentials()) {
            String database = this.authenticationDatabase == null ? getMongoClientDatabase()
                    : this.authenticationDatabase;
            credentials = Arrays.asList(MongoCredential.createScramSha1Credential(
                    this.username, database, this.password));
        }
        String host = this.host == null ? "localhost" : this.host;
        int port = this.port == null ? DEFAULT_PORT : this.port;
        return new MongoClient(Arrays.asList(new ServerAddress(host, port)),
                credentials, options);
    }
    // The options and credentials are in the URI
    return new MongoClient(new MongoClientURI(this.uri, builder(options)));
    }
    finally {
        clearPassword();
    }
}
```

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