

ssdb 分布式锁

作者: [huihui](#)

原文链接: <https://ld246.com/article/1484538053104>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

```

/**
● Project Name:wklc-active-server
● File Name:SSDBLock.java
● Package Name:com.wukonglicai.active.common.util
● Date:2017-1-10上午10:09:59
● Copyright (c) 2017
●

*/

package com.wukonglicai.active.common.util;

import org.apache.log4j.Logger;
import com.wukonglicai.ssdb.api.DataStoreService;

/**
● ClassName:SSDBLock
●
● @Description :ssdb分布式锁
● @Date: 2017-1-10 上午10:09:59
● @author liuyuhui
● @version
*/

public final class SSDBLock {
private static String lockKey = "ssdb:lock";
private static int ttl = 10;
private static Logger logger = Logger.getLogger(SSDBLock.class);
private SSDBLock() {
}

/**
●
● MethodName : lock
●
● @Description : 锁操作, 默认key和过期时间
● @throws Exception
●
● @author liuyuhui
● @date: 2017-1-10 上午11:16:11

```

```

*/
public static void lock(DataStoreService ssdbService) {
lock(lockKey, ttl,ssdbService);
}
/**
    •
    • MethodName : lock
    •
    • @Description : 锁操作, 指定key和过期时间
    • @param lockKey
    • @param ttl
    • @throws Exception
    •
    • @author liuyuhui
    • @date: 2017-1-10 上午11:17:33
*/
public static boolean lock(String lockKey, int ttl,DataStoreService ssdbService){
boolean flag = false;
try {
flag = getLock(lockKey, ttl, ssdbService);
while (!flag) {
Thread.sleep(30);
flag = getLock(lockKey, ttl, ssdbService);
}
} catch (Exception e) {
flag = false;
logger.error(e);
}
return flag;
}
/**
    •
    • MethodName : getLock
    •
    • @Description : 获取锁
    • @param lockKey

```

- @param ttl
 - @return
 - @throws Exception
 -
 - @author liuyuhui
 - @date: 2017-1-10 上午11:17:40

*/

```
private static boolean getLock(String lockKey, int tt1, DataStoreService ssdbService) throws Ex
ception {
```

```
boolean lock = false;
```

```
long result = ssdbService.getSSDBProxy().incr(lockKey, tt1);
```

```
if (result == 1) {
```

```
lock = true;
```

```
ssdbService.getSSDBProxy().expire(lockKey, ttl);
```

```
}
```

```
return lock;
```

```
}
```

/**

-
- MethodName : unlock
-
- @Description : 释放锁, 默认key
-
- @author liuyuhui
- @date: 2017-1-10 上午11:17:52

*/

```
public static void unlock(DataStoreService ssdbService) {
```

```
try {
```

```
ssdbService.getSSDBProxy().del(lockKey);
```

```
} catch (Exception e) {
```

```
logger.error(e);
```

```
}
```

```
}
```

/**

-
- MethodName : unlock

- - @Description : 释放锁, 指定key
 - @param lockKey
 -
 - @author liuyuhui
 - @date: 2017-1-10 上午11:18:00

*/

```
public static void unlock(String lockKey, DataStoreService ssdbService) {  
    try {  
        ssdbService.getSSDBProxy().del(lockKey);  
    } catch (Exception e) {  
        logger.error(e);  
    }  
}
```