

## 05、等待IO

# 等待IO

### 1、代码

```
package com.vrv.tune;

import java.io.IOException;
import java.io.InputStream;

public class FindWaitIO {
    public static void main(String[] args) throws InterruptedException, IOException {

        InputStream is = System.in;
        int i = is.read();
        System.out.println("exit。");

    }
}
```

### 2、打包运行通过jps找到pid

```
java -jar JstackFindWaitIO.jar
```

```
jps
```

```
找到pid
```

```
32045
```

### 3、jstack找到waiting

```
jstack -l 32045
```

```
- NONE

"main" prio=10 tid=0x00007f2e28008800 nid=0x7d2e runnable [0x00007f2e2f9e4000]
  java.lang.Thread.State: RUNNABLE
    at java.io.FileInputStream.readBytes(Native Method)
    at java.io.FileInputStream.read(FileInputStream.java:272)
    at java.io.BufferedInputStream.fill(BufferedInputStream.java:235)
    at java.io.BufferedInputStream.read(BufferedInputStream.java:254)
    + locked <0x00000000608419720> (a java.io.BufferedInputStream)
    at com.vrv.tune.FindWaitIO.main(FindWaitIO.java:10)

Locked ownable synchronizers:
```