sun.misc.Unsafe.park(Native Method)异常

原创

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这里写自定义目录标题

sun.misc.Unsafe.park(Native Method)异常，异常如下：

2019/07/30-09:40:34 [localhost-startStop-1] WARN org.apache.catalina.loader.WebappClassLoaderBase - The web application [iot-ms] appears to have started a thread named [HikariPool-1 housekeeper] but has failed to stop it. This is very likely to create a memory leak. Stack trace of thread:
sun.misc.Unsafe.park(Native Method)
java.util.concurrent.locks.LockSupport.parkNanos(LockSupport.java:215)
java.util.concurrent.locks.AbstractQueuedSynchronizer
$ConditionObject.awaitNanos(AbstractQueuedSynchronizer.java:2078)java.util.concurrent.ScheduledThrea
java.util.concurrent.ScheduledThreadPoolExecutor$DelayedWorkQueue.take(ScheduledThreadPoo

1.错误分析
这种情况有可能是在启动的时候，某个东西重复被初始化，导致内存溢出或者其它。分析找到错误的地方如下：

```
@RequestMapping(value = "commandaaaCallback",method = RequestMethod.POST)
public @ResponseBody ResposeVO callbackCommand(@RequestBody PostDeviceCommandOutDTO2 dto) {

    System.out.println("aaaaaaaaaaaaa"+dto);
    return ResponseFactory.ok( obj: "成功");
}
```

那么这里会有什么问题呢？
1、访问的路由重复
2、接收数据对象PostDeviceCommandOutDTO2接收数据初始化错误。
初步排除1的可能性，那么只能是2的原因了，那么我们一起来看一下这个对象里面有什么？

```
package com.iotplatform.client.dto;

import com.fasterxml.jackson.databind.node.ObjectNode;

public class PostDeviceCommandOutDTO2 {
    private String commandId;
    private String appId;
    private String deviceId;
    private CommandDTOV4 command;
    private String callbackUrl;
```

```
private Integer expireTime;
private String status;
private ObjectNode result;
private String creationTime;
private String executeTime;
private String platformIssuedTime;
private String deliveredTime;
private Integer issuedTimes;
private Integer maxRetransmit;

public PostDeviceCommandOutDTO2() {
}

public String getCommandId() {
    return this.commandId;
}

public void setCommandId(String commandId) {
    this.commandId = commandId;
}

public String getAppId() {
    return this.appId;
}

public void setAppId(String appId) {
    this.appId = appId;
}

public String getDeviceId() {
    return this.deviceId;
}

public void setDeviceId(String deviceId) {
    this.deviceId = deviceId;
}

public CommandDTOV4 getCommand() {
    return this.command;
}

public void setCommand(CommandDTOV4 command) {
    this.command = command;
}

public String getCallbackUrl() {
    return this.callbackUrl;
}

public void setCallbackUrl(String callbackUrl) {
    this.callbackUrl = callbackUrl;
}

public Integer getExpireTime() {
    return this.expireTime;
}

public void setExpireTime(Integer expireTime) {
    this.expireTime = expireTime;
}
```

```
}

public String getStatus() {
    return this.status;
}

public void setStatus(String status) {
    this.status = status;
}

public ObjectNode getResult() {
    return this.result;
}

public void setResult(ObjectNode result) {
    this.result = result;
}

public String getCreationTime() {
    return this.creationTime;
}

public void setCreationTime(String creationTime) {
    this.creationTime = creationTime;
}

public String getExecuteTime() {
    return this.executeTime;
}

public void setExecuteTime(String executeTime) {
    this.executeTime = executeTime;
}

public String getPlatformIssuedTime() {
    return this.platformIssuedTime;
}

public void setPlatformIssuedTime(String platformIssuedTime) {
    this.platformIssuedTime = platformIssuedTime;
}

public String getDeliveredTime() {
    return this.deliveredTime;
}

public void setDeliveredTime(String deliveredTime) {
    this.deliveredTime = deliveredTime;
}

public Integer getIssuedTimes() {
    return this.issuedTimes;
}

public void setIssuedTimes(Integer issuedTimes) {
    this.issuedTimes = issuedTimes;
}

public Integer getMaxRetransmit() {
    return this.maxRetransmit;
```

```
    }

    public void setMaxRetransmit(Integer maxRetransmit) {
        this.maxRetransmit = maxRetransmit;
    }

    public String toString() {
        return "PostDeviceCommandOutDTO2 [commandId=" + this.commandId + ", appId=" + this.appId + ", deviceId=" + this.deviceId + ", comm
and=" + this.command + ", callbackUrl=" + this.callbackUrl + ", expireTime=" + this.expireTime + ", status=" + this.status + ", result=" + this.result
 + ", creationTime=" + this.creationTime + ", executeTime=" + this.executeTime + ", platformIssuedTime=" + this.platformIssuedTime + ", deliver
edTime=" + this.deliveredTime + ", issuedTimes=" + this.issuedTimes + ",  maxRetransmit=" + this.maxRetransmit + "]";
    }
}
```

可以看出来这就是个简单的bean，没有什么特别的，但是你会发现

```
import com.fasterxml.jackson.databind.node.ObjectNode;

public class PostDeviceCommandOutDTO2 {
    private String commandId;
    private String appId;
    private String deviceId;
    private CommandDTOV4 command;
    private String callbackUrl;
    private Integer expireTime;
    private String status;
    private ObjectNode result;
    private String creationTime;
    private String executeTime;
    private String platformIssuedTime;
    private String deliveredTime;
    private Integer issuedTimes;
    private Integer maxRetransmit;

    public PostDeviceCommandOutDTO2() {
```


ObjectNode这个对象不能够序列化，在初始化的时候，不断去初始化这个对象，导致内存溢出，线程暴露出不安全，到此完美解决。