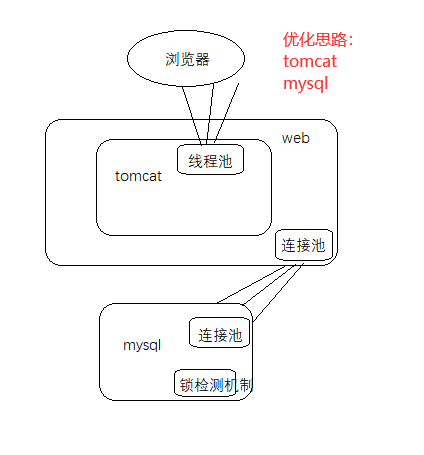
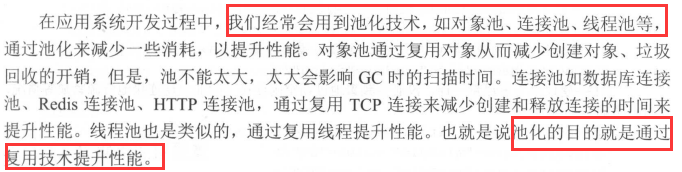
**系统优化**

# 系统架构

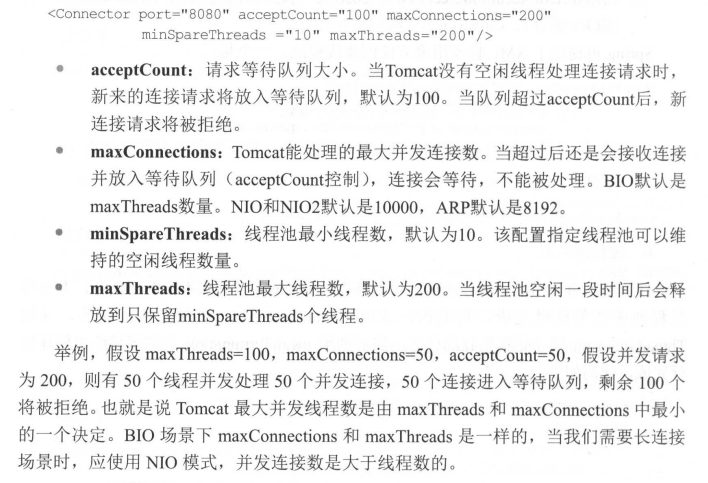


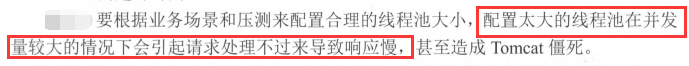
# 池化技术



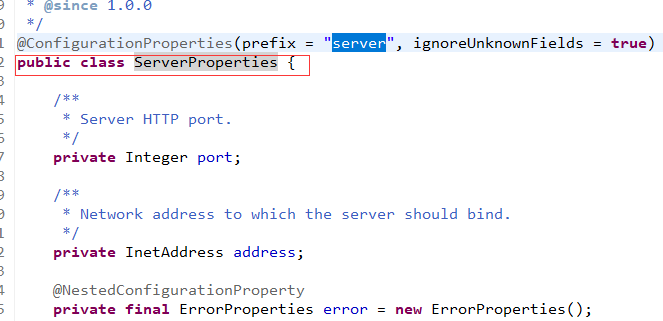
# tomcat

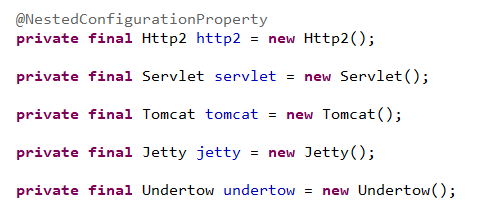
## 线程池





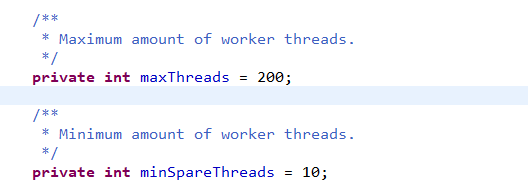
## 配置类

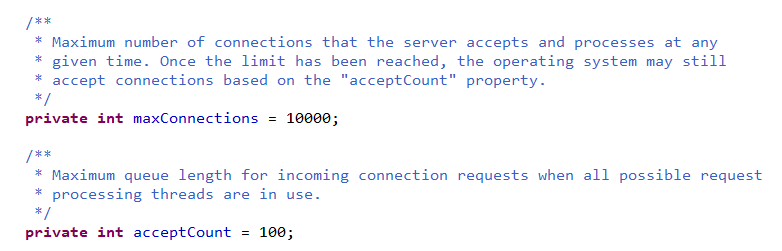


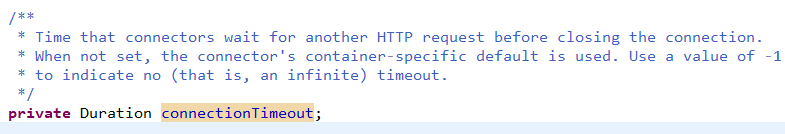


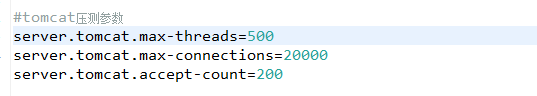
支持三种servlet容器！！！

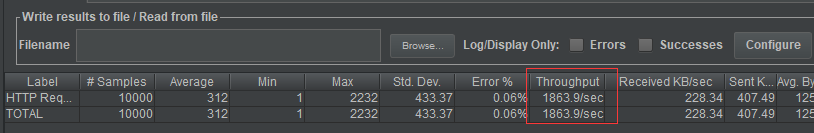
我们看下tomcat和并发有关的默认配置





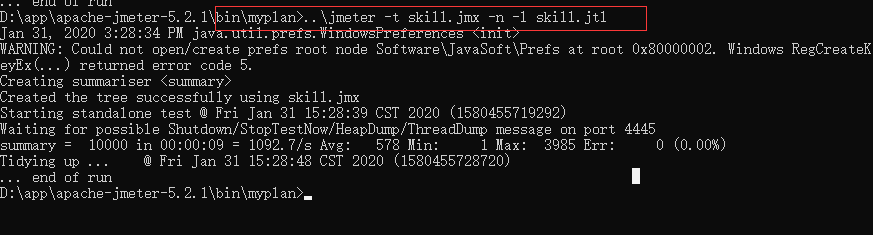






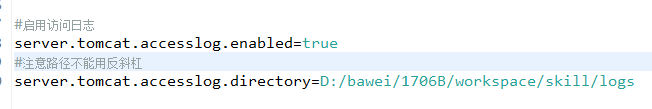
建议使用命令行进行压测

**jmeter -t skill.jmx -n -l skill.jtl**

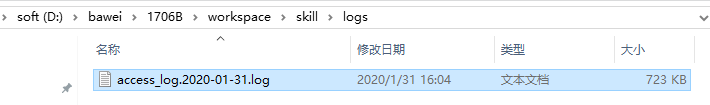


## 日志配置





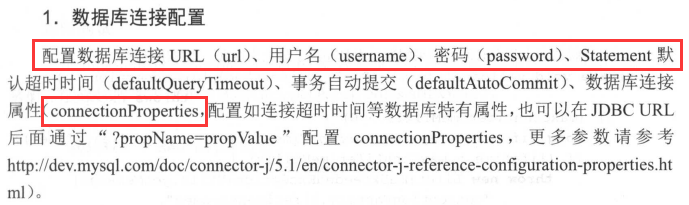
访问日志结果

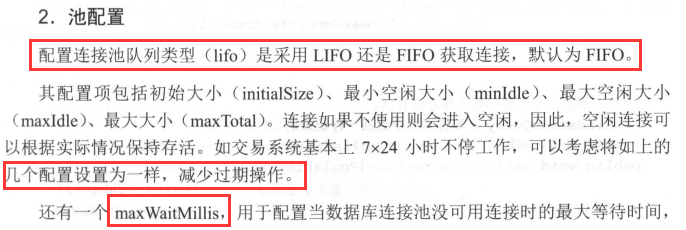


服务器内部错误日志参考spring boot

# 连接池

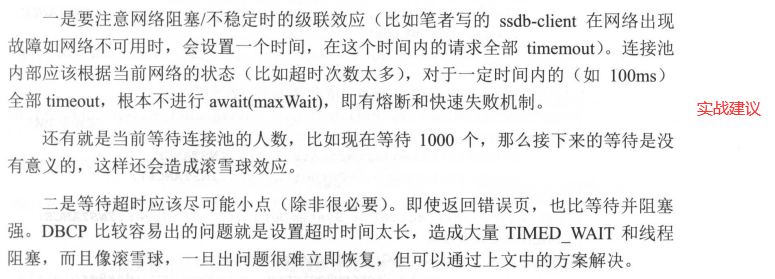
## 基本概念



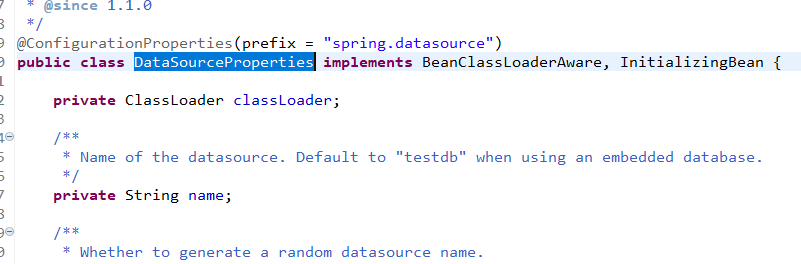


当超时后将抛出异常。





## 通用配置

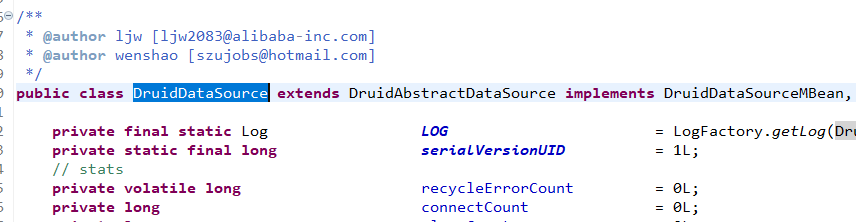


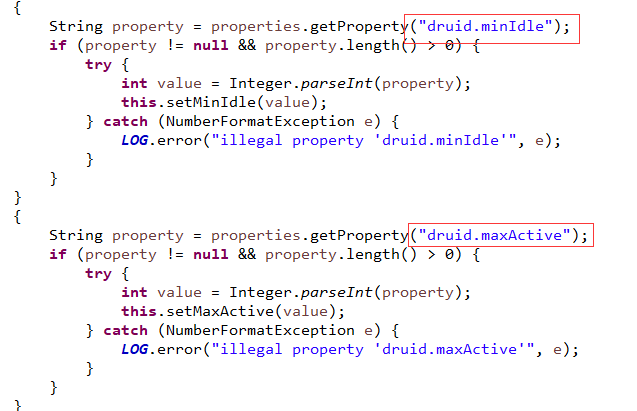
## druid

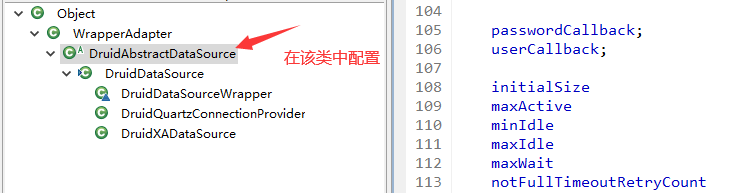
具体数据源配置，这里是druidDataSource



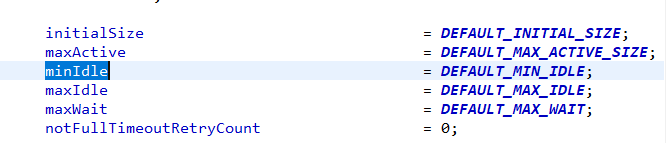
关键参数

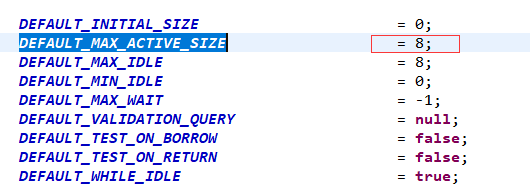






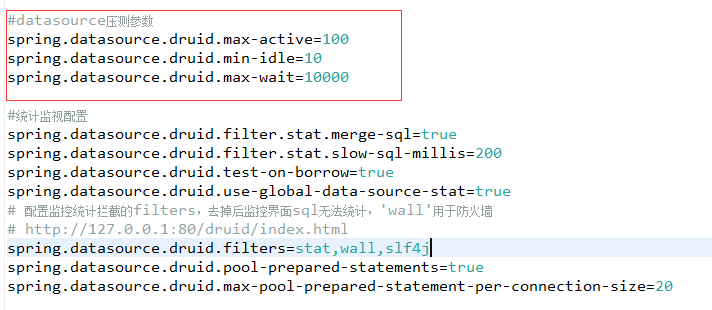
默认值为：8



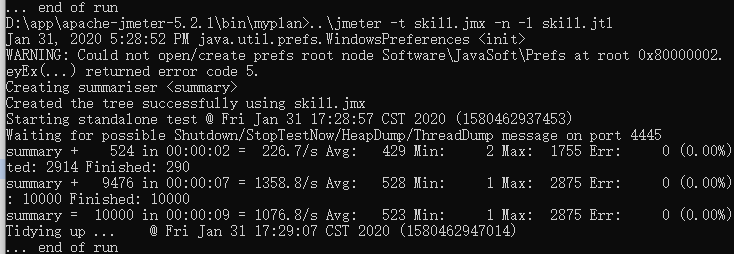


**详细参考：**[**https://www.cnblogs.com/wuyun-blog/p/5679073.html**](https://www.cnblogs.com/wuyun-blog/p/5679073.html)

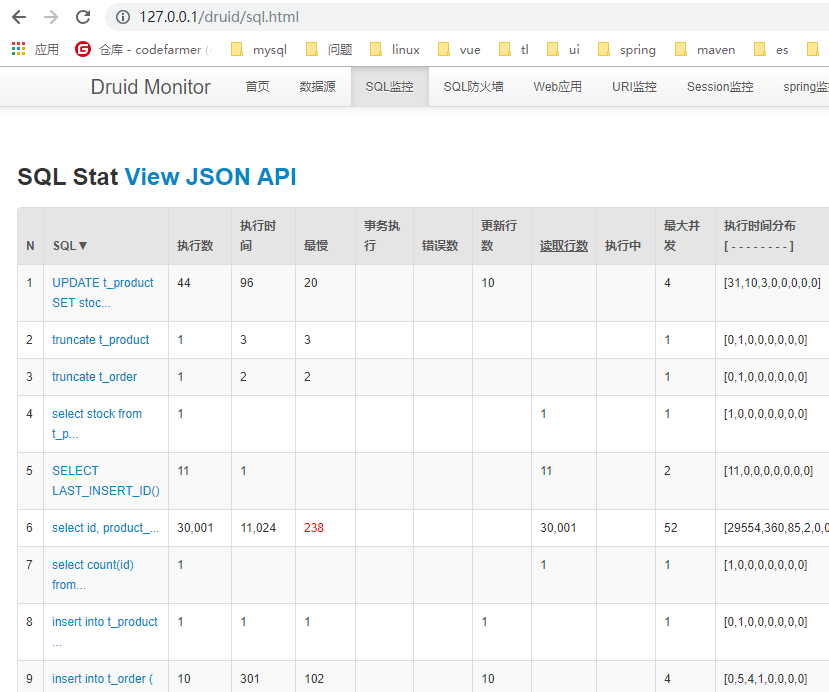
修改配置如下



压测

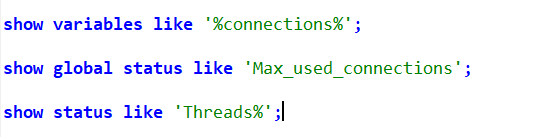


## 监视





# 数据库





**show** **variables** **like** '%connections%';

**show** **global** **status** **like** 'Max\_used\_connections';

**show** **status** **like** 'Threads%';

**set** **GLOBAL** max\_connections=10;

**永久设置：**

修改mysql配置文件my.cnf，在[mysqld]段中添加或修改max\_connections值：

**max\_connections=512**

**设置过小，发生”too many connections”的错误**。

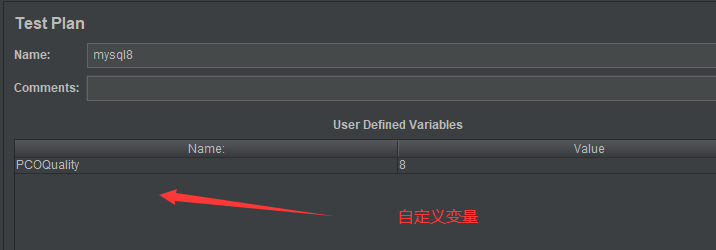
参考：<https://www.cnblogs.com/phpper/p/9570792.html>

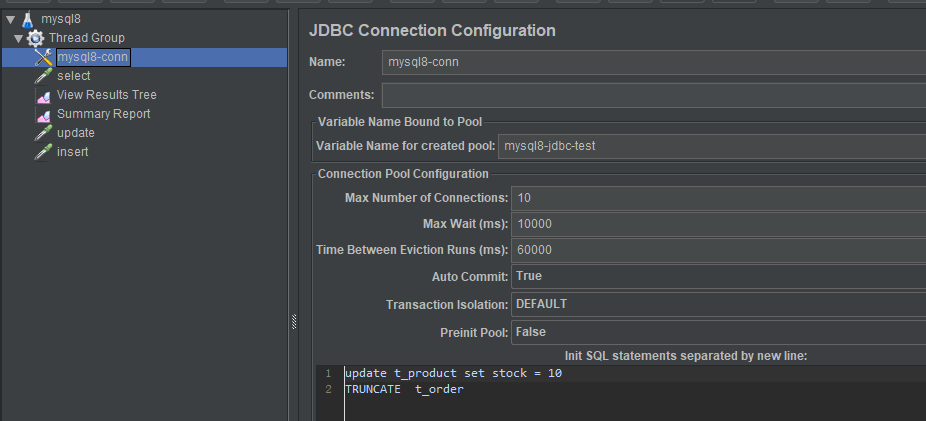
# 数据库压测

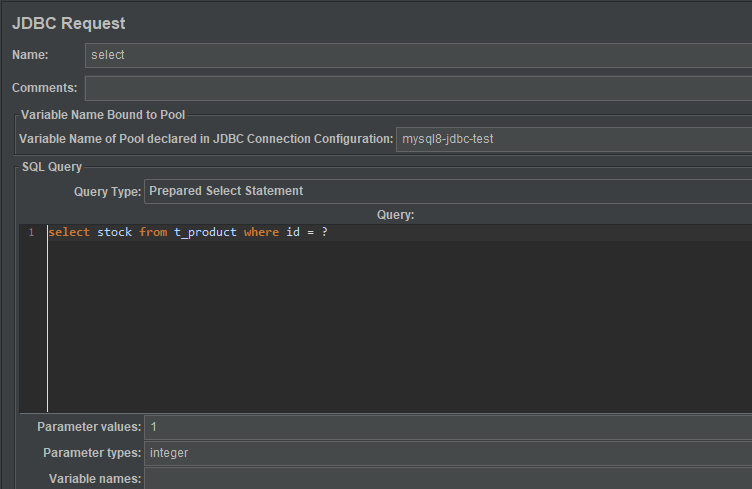
## 概念

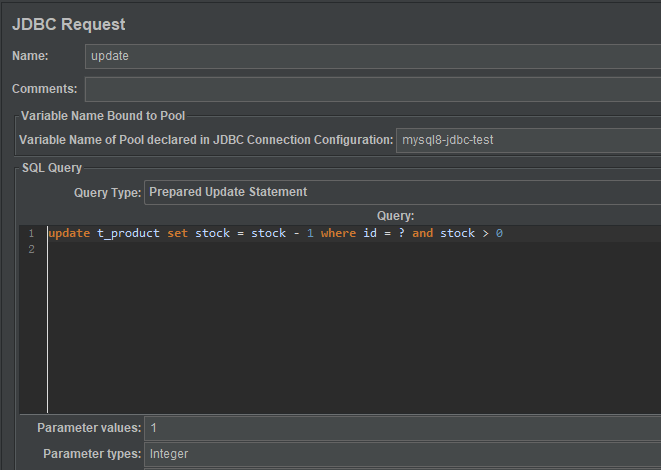
使用压测工具对单个数据库或者集群进行压力（load）测试，具体的指标有：TPS（写），QPS(读)，响应时间；其他的一些指标：CPU使用率、MEMORY占有量，IO（硬盘）次数。

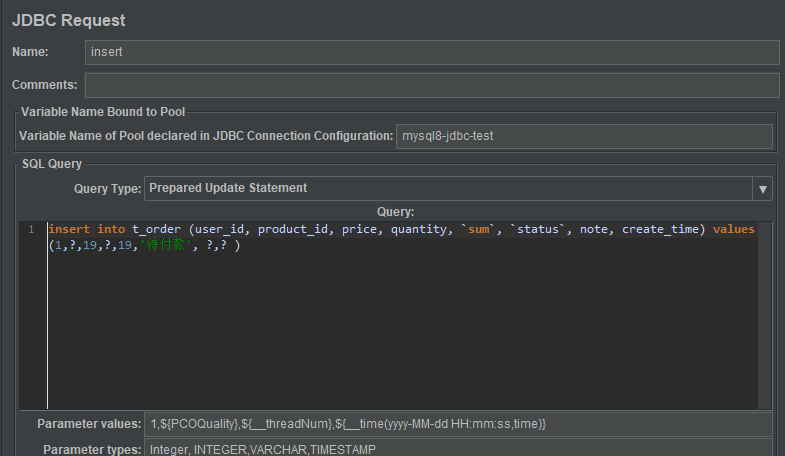
## 入门

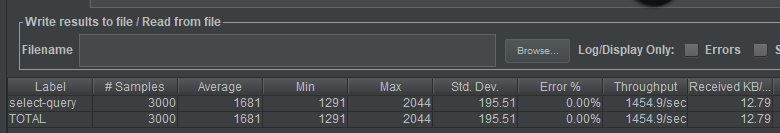


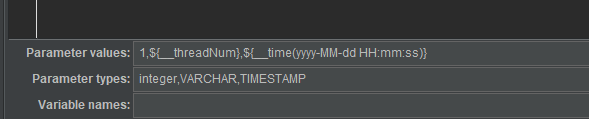


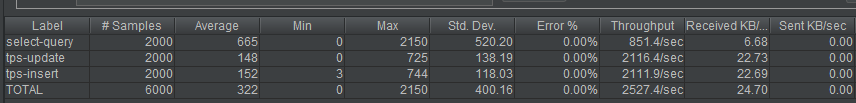












## 系统函数

1,${\_\_threadNum},${\_\_time(yyyy-MM-dd HH:mm:ss)}

系统函数：<https://www.cnblogs.com/fcc-123/p/11463472.html>

参数化：<https://www.cnblogs.com/0201zcr/p/5280090.html>

日期函数：<https://blog.csdn.net/zhangtongyuan0909/article/details/80576944>