#### Java并发编程

##### 之Executor / Future框架

问题描述

Spring Boot 2.2.5

JDK 8

Executor / Future 是Java语言中一种常用的并发编程框架：Executor创建线程池、Future提交线程任务（Runnable、Callable）。

解决

SearchServiceImpl.java

private ExecutorService executorService = Executors.*newFixedThreadPool*(10);

private List<AggrPath> getAllAggrPaths(AggrSearchMode searchMode, List<Identity<PerfObject>> poIds)  
{  
 ...  
 for (final PerfObject po : availablePos)  
 {  
 futures.add(executorService.submit(new Callable<Set<AggrPath>>()  
 {  
 @Override  
 public Set<AggrPath> call() throws Exception  
 {  
 return getAggrPathsContainPo(po);  
 }  
 }));  
 }  
 try  
 {  
 for (Future<Set<AggrPath>> future : futures)  
 {  
 paths.addAll(future.get());  
 }  
 }  
 catch (Exception e)  
 {  
 throw new RuntimeException(e);  
 }  
 return new ArrayList<AggrPath>(paths);  
}

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