#### Spring Framework源码阅读

##### 之推断主类

问题描述

Spring Boot 2.2.5

Spring Framework 5.2.6

JDK 1.8

Spring Boot重要的启动类SpringApplication中包含一个的方法deduceMainApplicationClass(...)，使用运行时异常（RuntimeExecption）获取调用栈，进而推断主类。尽管没有找到应用场景，却是一个机巧的实现

在这篇技术笔记中做一个记录

解决

1. 源码

private Class<?> deduceMainApplicationClass() {  
 try {  
 StackTraceElement[] stackTrace = (new RuntimeException()).getStackTrace();  
 StackTraceElement[] var2 = stackTrace;  
 int var3 = stackTrace.length;  
  
 for(int var4 = 0; var4 < var3; ++var4) {  
 StackTraceElement stackTraceElement = var2[var4];  
 if ("main".equals(stackTraceElement.getMethodName())) {  
 return Class.forName(stackTraceElement.getClassName());  
 }  
 }  
 } catch (ClassNotFoundException var6) {  
 }  
  
 return null;  
}

1. 测试类

public class Deduce {  
 public static void main(String[] args) {  
 new DDeduce().deduce();  
 System.*out*.println("pause");  
 }  
  
  
 static class DDeduce {  
 public void deduce() {  
 StackTraceElement[] stackTraceElements = (new RuntimeException()).getStackTrace();  
 System.*out*.println("pause");  
 }  
 }  
}

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