

# Class Profiler

java.lang.Object  
com.sun.btrace.Profiler

public abstract class **Profiler**  
extends java.lang.Object

分析器是一个高度专业化聚合的数据采集器，专门为高速的"应用执行调用关系树"数据收集做了优化

**Profiler** is a highly specialized aggregation-like data collector optimized for high-speed collection of the application execution call tree data.

It is exposable as **MBean** via **Property** annotation

Since:

1.2

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## Nested Class Summary

### Nested Classes

Modifier and Type	Class and Description
static interface	<b>Profiler.MBeanValueProvider</b> 使访问“分析器”作为一个MBean类型安全的辅助接口 Helper interface to make accessing a <b>Profiler</b> as an <b>MBean</b> type safe.
static class	<b>Profiler.Record</b> 记录表示"应用执行调用关系树"的一个原子单元 <b>Record</b> represents an atomic unit in the application execution call tree
static class	<b>Profiler.Snapshot</b> <b>Snapshot</b> is an immutable image of the current profiling data collected by the <b>Profiler</b> 镜像是由"分析器"收集的当前分析数据集的一个不可改变的影像  It is created by calling <b>snapshot()</b> method

## Field Summary

### Fields

Modifier and Type	Field and Description
long	<b>START_TIME</b> This property exposes the time of creating this particular <b>Profiler</b> instance.

## Constructor Summary

## Constructors

### Constructor and Description

`Profiler()`

Creates a new **Profiler** instance

## Method Summary

### All Methods

### Instance Methods

### Abstract Methods

### Concrete Methods

#### Modifier and Type

#### Method and Description

abstract void

记录进入 “ 一个执行单元 ” 的事件

`recordEntry`(java.lang.String blockName)

Records the event of entering an execution unit (eg.

abstract void

记录退出 “ 一个执行单元 ” 的事件

`recordExit`(java.lang.String blockName,  
long duration)

Records the event of exiting an execution unit (eg.

abstract void

`reset`() 重置所有 “ 收集到的数据 ”

Resets all the collected data

`Profiler.Snapshot`

`snapshot`() 创建一个 “ 已收集的分析数据 ” 的不可改变镜像

Creates an immutable snapshot of the collected profiling data

abstract `Profiler.Snapshot` `snapshot`(boolean reset)

Creates an immutable snapshot of the collected profiling data.  
Makes it possible to reset the profiler after creating the  
snapshot, eventually

## Methods inherited from class java.lang.Object

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`,  
`wait`, `wait`, `wait`

## Field Detail

### START\_TIME

`public final long START_TIME`

This property exposes the time of creating this particular `Profiler` instance.  
The unit is milliseconds.

## Constructor Detail

### Profiler