Java Tracer™

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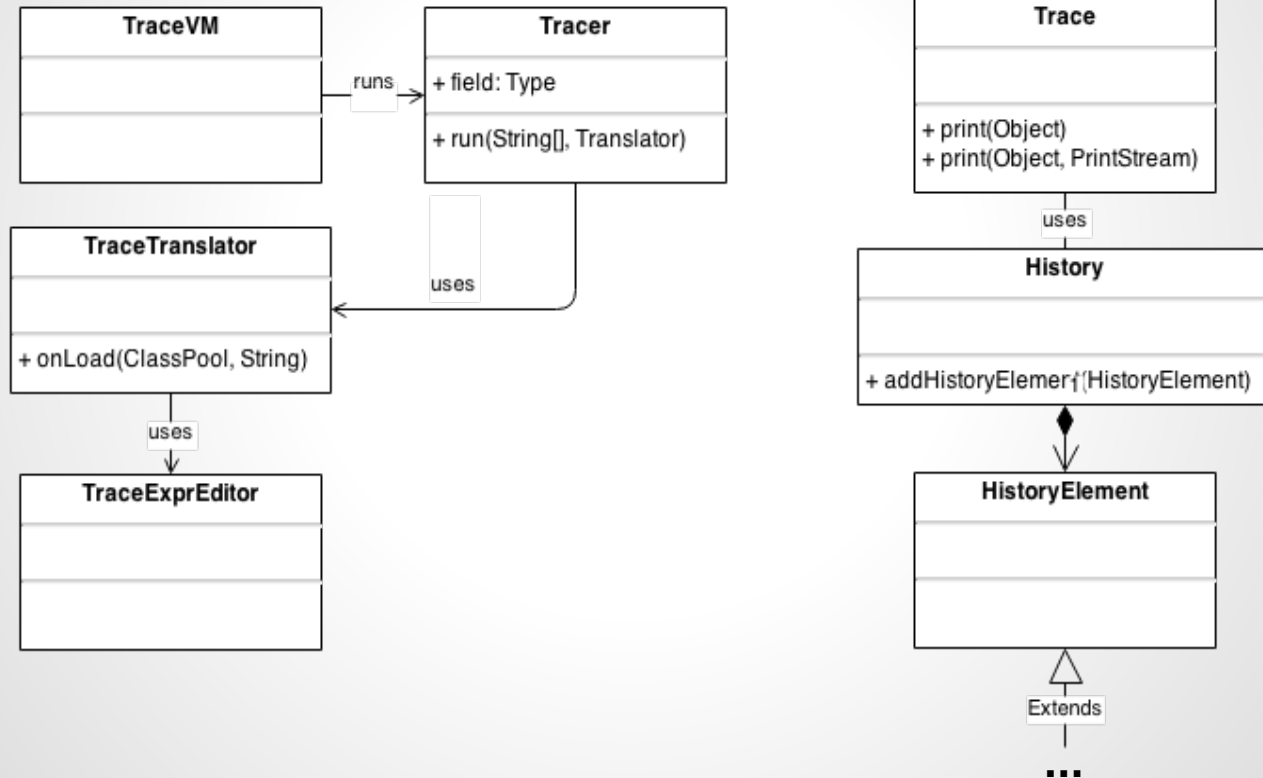
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Overview

1. What is Java Tracer™?

2. Architecture

3. Usage

4. Extended Version

What is Java Tracer™

- An API for developers

- Tracks method and constructor calls, among other things

- Uses Javassist to inject the necessary code

Architecture

Usage

- Just use our AWESOME API:
  - `Trace.print(Object)`

- Extended only features:

  - `Trace.print(Object, PrintStream)`

  - `Trace.print(Object, Iterable<PrintStream>)`

Extended Version

We decided to add a few extra features to our JavaTracer™:

- Field access tracing
  - -> WRITE
  - <- READ

- Explicit cast tracing [<>]

Example (Code)

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class Foo {
    String field;

    Foo(String field) {
      this.field = field;
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```java
public class OurTest {

    public static void main(String[] args) {
      Foo foo = new Bar("Hello", 0);
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Output:
Tracing for ist.meic.pa.test.Bar@5d7138f4
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  -> WRITE field 'field' on OurTest.java:19

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Tracing for ist.meic.pa.test.Bar@5d7138f4
 -> WRITE field 'field' on OurTest.java:19
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 -> ist.meic.pa.Trace.print(java.lang.Object) on OurTest.java:10

The End

With our **Java Tracer** your code works…
And you know why!