

**H**ouse.M.D

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**H**OUSE M.D.



他是一位 **诊断** 技艺精湛的医生

话说 诊断 技艺精湛的

程序员会是...

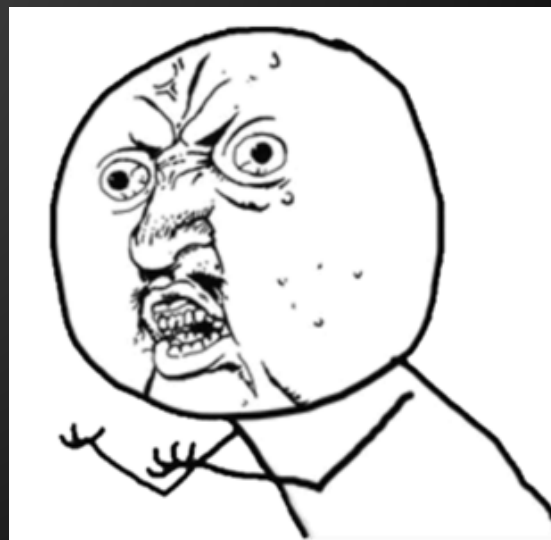
```
System.out.println("debugging");
```

```
LOG.debug("debugging");
```

信息打印总不全有木有？

又要改代码 > 编译 > 部署, 有木有？

多来几次想屎的心有木有？



**工欲善其事，必先利其器**



# BTrace

神器降临, 一秒钟变高富帅!

**Histogram**

**Profile**

**Context**

# **Invocation Interception**

**JStack**

**File**

**DTrace**

**Socket**

**JMap**

**Memory**

**JInfo**

**甜蜜中略带苦涩, 幸福中稍显忧伤**

# ClassNotFoundException

<https://gist.github.com/zhongl/5625338>

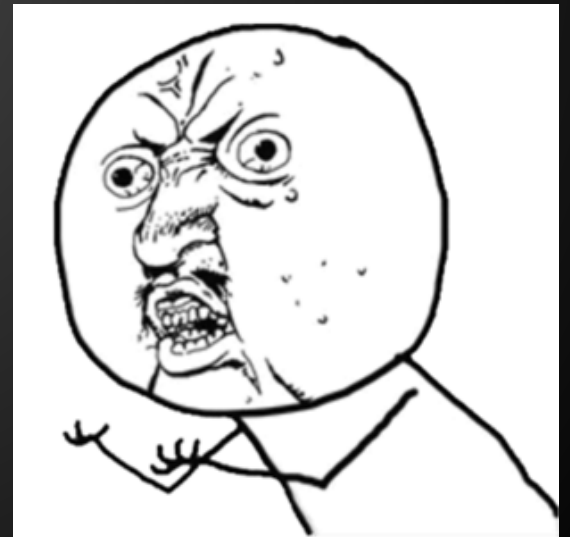
# StackOverflowError

<https://gist.github.com/zhongl/5625366>

不用IDE写脚本很苦逼, 有木有?

总是要调整几次脚本才见效, 有木有?

多来几次尿都憋不住了, 有木有?



# HouseMD

交互式命令行

```
$ housemd <jvm pid>
```

```
INFO : Welcome to HouseMD 0.2.4
```

```
INFO : connection established on 54321
```

```
housemd> _
```



```
`trace TraceTarget.addOne`
```

```
`trace TraceTarget$C+`
```

trace sub class

```
`trace -d TraceTarget$C+`
```

get args and return

```
`trace -s TraceTarget$C+`
```

```
get invocation StackTrace
```

**Demo**

<http://github.com/csug/housemd>

# Tips & Traps

**`trace` with `-l -t`**

limit < 100

timeout < 3



**`trace` with `Xxx+`**

trace unknown sub class instance

**`trace` with `-p com.xxx`**

SimpleName conflict

**`last` for error ending**

INFO: Ended by error

# **`loaded` for class info**

class loaded by who from where

`housemd -p <port>`

port conflict

**`Ctrl + r` for history search**

Emacs edit mode, power by [jline2](#)

# Linux mode in SecureCRT

Backspace do not work

# No echo cause by privilege

```
chmod +w /tmp
```



# More help !

housemd -h

> help [command]

test cases

issues

# v0.3.x

## Features

# ``trace Socket``

Support trace class from BootClassLoader

# Represent object

```
`trace -r "$.getLocalSocketAddress" Socket`
```

# TOP View

METHOD	AVG(ms)	TIMES	REPR	LOADER
Socket.connect	4	1	127.0.0.1:12306	BootClassLoader
Socket.getChannel	<1	4	127.0.0.1:12306	BootClassLoader

Press `esc` to break.

# Upgrade Scala 2.1x

Akka actor and more functional

# Contribute to HouseMD

<https://github.com/CSUG/HouseMD/wiki/DevGuideCN>

# Intro CSUG



**Thanks**