

为了调试远程机器的内存及线程等情况，需要进行远程连接调试，按照如下方法进行：

1. 下载YourKit Java Profiler 首先在server上进行安装，即本机。

下载Linux版本的YourKit Java Profiler 在client端进行安装，即远程主机，由于我们使用的是远程主机操作系统为linux，所以以此为准。

2. 本机安装后，需要有key，可以发送邮件获得15天免费使用

由于远程linux主机使用的是console模式，不需要key，即可使用

3. 对远程主机jdk进行设置

方法是：

1) 首先java -version 获得java的一些版本信息，我获得是

```
[jiangyu@hd15 hadoop-0.19.1]$ java -version
java version "1.6.0_06"
Java(TM) SE Runtime Environment (build 1.6.0_06-b02)
Java HotSpot(TM) 64-Bit Server VM (build 10.0-b22, mixed mode)
[jiangyu@hd15 hadoop-0.19.1]$
```

注意红框，这里标注了是32 bit还是64 bit，下面的设置需要，请留意。

2) 对jvm 进行设置：

Java -agentpath: <profiler directory>/bin/linux-x86-64/libyjpagent.so

如： ./java -agentpath:/opt/yjp-2014-build-14094/bin/linux-x86-64/libyjpagent.so

执行成功之后会在提示的目录内打出日志，同时界面上会有提示

成功后会在相关提示的目录写log信息（截取部分信息）： 如：

```
Registered: com.yourkit.probes.builtin.FileStreams$FileInputStream_read_Probe
Registered: com.yourkit.probes.builtin.FileStreams$FileOutputStream_close_Probe
Registered: com.yourkit.probes.builtin.FileStreams$FileOutputStream_open_Probe
Registered: com.yourkit.probes.builtin.FileStreams$FileOutputStream_writeBytes_Probe
Registered: com.yourkit.probes.builtin.FileStreams$FileOutputStream_write_Probe
Registered: com.yourkit.probes.builtin.OSGiFelixSupport$MyProbe1
Registered: com.yourkit.probes.builtin.OSGiFelixSupport$MyProbe2
Registered: com.yourkit.probes.builtin.Processes$FileOutputStream_writeBytes_Probe
Registered: com.yourkit.probes.builtin.Processes$FileOutputStream_write_Probe
Registered: com.yourkit.probes.builtin.Processes$InputStream_readBytes_Probe
Registered: com.yourkit.probes.builtin.Processes$InputStream_read_Probe
Registered: com.yourkit.probes.builtin.Processes$ProcessImpl_close_Probe
Registered: com.yourkit.probes.builtin.Processes$ProcessImpl_getErrorStream_Probe
Registered: com.yourkit.probes.builtin.Processes$ProcessImpl_getInputStream_Probe
Registered: com.yourkit.probes.builtin.Processes$ProcessImpl_getOutputStream_Probe
Registered: com.yourkit.probes.builtin.Processes$ProcessImpl_start_Probe
Registered: com.yourkit.probes.builtin.Processes$ProcessImpl_waitFor_Probe
Registered: com.yourkit.probes.builtin.Processes$UnixProcess_waitForProcessExit_Probe
Registered: com.yourkit.probes.builtin.RandomAccessFiles$RandomAccessFile_close_Probe
Registered: com.yourkit.probes.builtin.RandomAccessFiles$RandomAccessFile_open_Probe
Registered: com.yourkit.probes.builtin.RandomAccessFiles$RandomAccessFile_readBytes_Probe
Registered: com.yourkit.probes.builtin.RandomAccessFiles$RandomAccessFile_read_Probe
Registered: com.yourkit.probes.builtin.RandomAccessFiles$RandomAccessFile_writeBytes_Probe
Registered: com.yourkit.probes.builtin.RandomAccessFiles$RandomAccessFile_write_Probe
Registered: com.yourkit.probes.builtin.Servlets$Filter_doFilter_Probe
```

4. 开始远程监控

开启本机的YourKit Java Profiler,要与远程机器的版本相近，可以不完全相同。

在<profiler directory>/bin/ 目录下，执行脚本yjp.sh

方法： <profiler directory>/bin/yjp.sh -attach

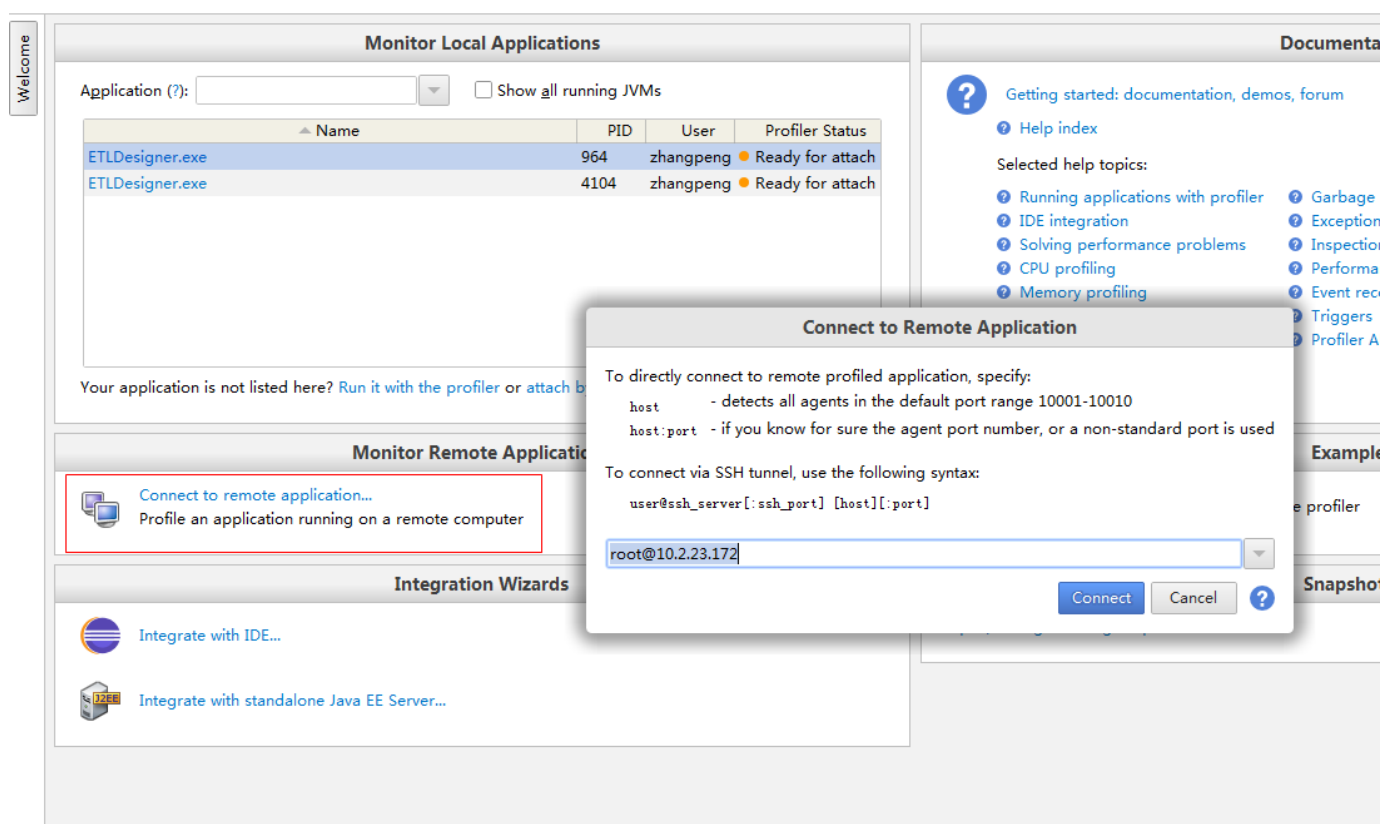
```
[jiangyu@hd15 bin]$ ./yjp.sh -attach
Picked up JAVA_TOOL_OPTIONS:
[YourKit Java Profiler 9.5.3] Loaded. Log file: /home/jiangyu/.yjp/log/13788.log
Running JVMs:

Name | PID | Status
-----|-----|-----
JobTracker | 12356 | Ready for attach
NameNode | 12098 | Ready for attach
SecondaryNameNode | 12269 | Ready for attach

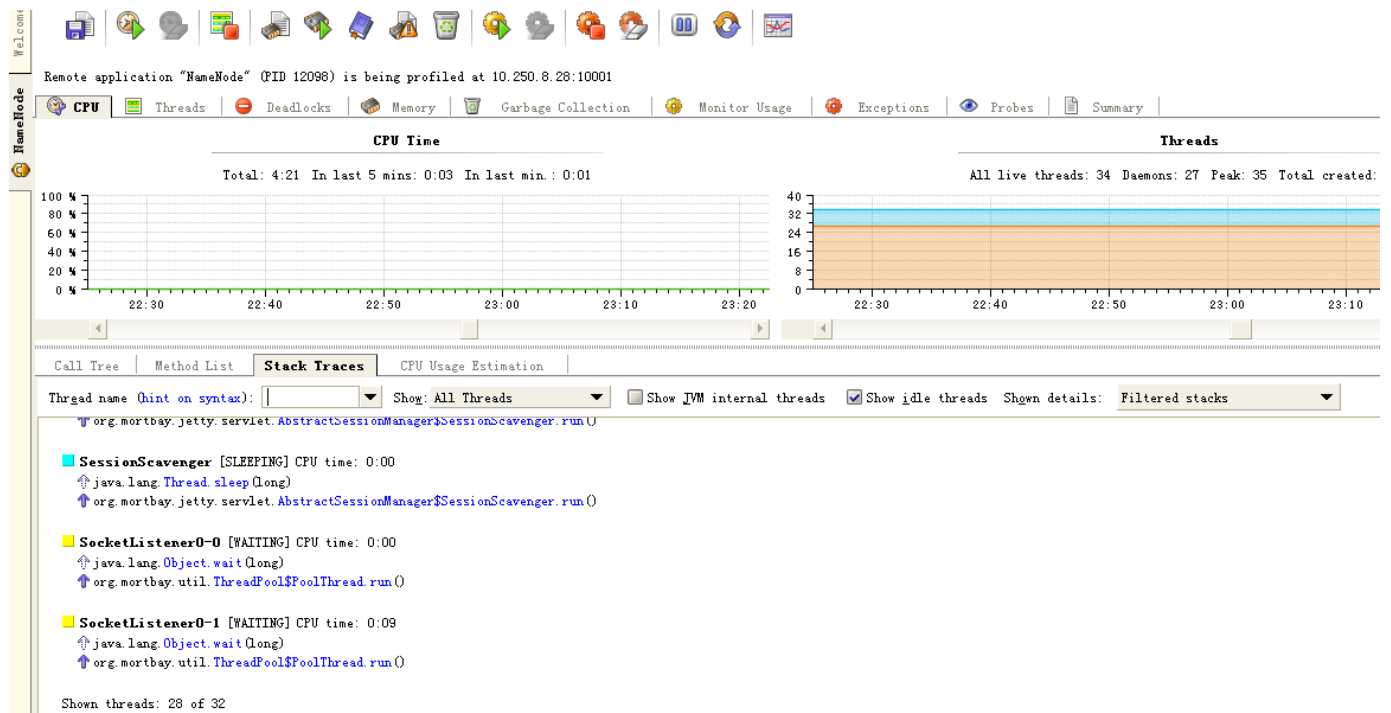
Enter PID of the application you want to attach (0 to exit) and press Enter:
>12098
Please specify comma-separated list of startup options, or press Enter for default options (recommended):
>
Attaching to process 12098 using options
The profiler agent has attached. Waiting while it initializes...
The agent is loaded and is listening on port 10001.
You can connect to it from the profiler UI.
```

按照提示，键入需要监控的pid，同时后面会提示监听的端口，上图拿红框框出了，为10001。

在本机，键入远程机器的IP: port



port就是之前框出的10001。就可以得到监控结果了，如图：



来源: <<http://sid1211.iteye.com/blog/890065>>