

CAT 集成文档

现在我们用到CAT的监控指标不多 (Transaction、Event和Heartbeat)
后面可根据具体需求做扩展

集成文档比较简单，也可以参考[CAT](#)官方的集成文档

1.POM文件CAT相关jar包引入

```
<dependency>
  <groupId>com.dianping.cat</groupId>
  <artifactId>cat-client</artifactId>
  <version>1.3.6-SNAPSHOT</version>
</dependency>

<dependency>
  <groupId>org.unidal.framework</groupId>
  <artifactId>foundation-service</artifactId>
  <version>2.2.0</version>
</dependency>

<dependency>
  <groupId>com.google.guava</groupId>
  <artifactId>guava</artifactId>
  <!-- jboss AS 7 不兼容 15.0版本 -->
  <version>16.0</version>
</dependency>
```

2.监控示例代码

```
Transaction t = null;
try {
    t = Cat.getProducer().newTransaction("URL", "请求URL");
    //业务逻辑代码
    //...
    t.setStatus(Transaction.SUCCESS);
} catch (Exception e) {
    t.setStatus(Transaction.SUCCESS);
    Cat.getProducer().logError(e);
} finally {
    t.complete();
}
```

3.系统配置

在 **src/main/resources/META-INF**目录新建app.properties文件，并添加配置

```
app.name=[被监控系统名]
```

4.服务器配置

在Linux根目录新建目录，需要有读写权限

```
#/data/appdatas/cat
#/data/applogs
```

在/data/appdatas/cat目录新增client.xml配置文件

```
<?xml version="1.0" encoding="utf-8"?>
<config mode="client" xmlns:xsi="http://www.w3.org/2001/XMLSchema"
xsi:noNamespaceSchemaLocation="config.xsd">
  <servers>
    <!-- Local mode for development -->
    <server ip="10.59.2.130" port="2280" http-port="2281" />
    <!-- If under production environment, put actual server
address as list. -->
    <!--
      <server ip="192.168.7.71" port="2280" />
      <server ip="192.168.7.72" port="2280" />
    -->
  </servers>
</config>
```

5.Heartbeat监控（ cat自动的1分钟上发一次服务器 ）

jboss AS 7 下会出现
 java.lang.NoClassDefFoundError:com/sun/management/OperatingSystemMXBean
 需要修改{JBOSS_HOME}/modules/sun/jdk/main/module.xml

```
<module xmlns="urn:jboss:module:1.1" name="sun.jdk">
  <resources>
    <!-- currently jboss modules has not way of importing
services from
classes.jar so we duplicate them here -->
    <resource-root path="service-loader-resources"/>
  </resources>
  <dependencies>
    <system export="true">
      <paths>
        <!-- 新增<path name="com/sun/management"/> -->
        <path name="com/sun/management"/>
        <path name="com/sun/script/javascript"/>
        <path name="com/sun/jndi/dns"/>
        <path name="com/sun/jndi/ldap"/>
        <path name="com/sun/jndi/url"/>
      </paths>
    </system>
  </dependencies>
</module>
```