黑客派

RocketMq 安装配置和消息延迟推送

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原文链接：https://hacpai.com/article/1538109125137

来源网站：黑客派

许可协议：署名-相同方式共享 4.0 国际 (CC BY-SA 4.0)

```html
<p><strong>Rocket 安装配置</strong></p>
<script async src="https://pagead2.googlesyndication.com/pagead/js/adsbygoogle.js"></script>
<!-- 黑客派PC帖子内嵌-展示 -->
<ins class="adsbygoogle" style="display:block" data-ad-client="ca-pub-5357405790190342" data-ad-slot="8316640078" data-ad-format="auto" data-full-width-responsive="true"></ins>
<script>
    (adsbygoogle = window.adsbygoogle || []).push({});
</script>
<p><code>官方安装教程</code>：<a href="https://link.hacpai.com/forward?goto=http%3F%2F%2Frocketmq.apache.org%2Fdocs%2Fquick-start%2F" target="_blank" rel="nofollow ugc">http://rocketmq.apache.org/docs/quick-start/</a></p>
<ol>
 <li> <p><strong>下载解压安装</strong></p> <p><code>Maven、jdk环境需要配置好！！<code><br> <code>Rocket4.2.0下载地址</code>：<a href="https://link.hacpai.com/forward?oto=http%3A%2F%2Fmirrors.tuna.tsinghua.edu.cn%2Fapache%2Frocketmq%2F4.2.0%2Frocktmq-all-4.2.0-source-release.zip" target="_blank" rel="nofollow ugc">http://mirrors.tsinhua.edu.cn/apache/rocketmq/4.2.0/rocketmq-all-4.2.0-source-release.zip</a></p> <pre><cde class="highlight-chroma"> unzip rocketmq-all-4.2.0-source-release.zip
 cd rocketmq-all-4.2.0/
 mvn -Prelease-all -DskipTests clean install -U
</code></pre> </li>
 <li> <p><strong>启动服务</strong></p> <p><code>//后台启动mqnamesrc服务，生成临时ohup.out日志文件</code></p> <pre><code class="highlight-chroma"> cd distribution/targt/apache-rocketmq
 nohup sh bin/mqnamesrv &amp;
 tail -f ~/logs/rocketmqlogs/namesrv.log
 The Name Server boot success...
</code></pre> <p><img src="https://static.hacpai.com/images/img-loading.svg" alt="" dat-src="http://pfuj2ts29.bkt.clouddn.com/rocketazpzhxxycts/1.png"></p> <p><code>//后台动Broker服务，相当于注册中心，默认端口号9876</code><br> <code>//指定broker配置文件启</code></p> <pre><code class="highlight-chroma"> Vim ./conf/broker.conf
</code></pre> <p><img src="https://static.hacpai.com/images/img-loading.svg" alt="" dat-src="http://pfuj2ts29.bkt.clouddn.com/rocketazpzhxxycts/2.png"></p> <pre><code class="highlight-chroma"> nohup sh bin/mqbroker -n 192.168.12.3:9876 -c ./conf/broker.conf &amp

 tail -f ~/logs/rocketmqlogs/broker.log
 The broker[%s, 172.30.30.233:10911] boot success...
</code></pre> </li>
 <li> <p><strong>报错处理</strong></p> <p><code>//如果出现启动报错，内存异常则需要整namesrc和broker的启动内存，启动内存要小于服务器内存, vim修改runserver.sh和runbroker.sh/code></p> <pre><code class="highlight-chroma"> vim ./bin/runserver.sh
 vim ./bin/runbroker.sh
</code></pre> <p><img src="https://static.hacpai.com/images/img-loading.svg" alt="" dat-src="http://pfuj2ts29.bkt.clouddn.com/rocketazpzhxxycts/3.png"></p> <pre><code class="highlight-chroma"> JAVA_OPT="${JAVA_OPT} -server -Xms512m -Xmx512m -Xmn256m -XX:ermSize=128m -XX:MaxPermSize=320m"
</code></pre> <p><code>//如果出现错误: 找不到或无法加载主类 org.apache.rocketmq.namerv.NamesrvStartup</code><br> <code>//设置mq的环境变量</code></p> <pre><code clas="highlight-chroma"> Cd /usr/local/rocketmq-all-4.2.0/distribution/target/apache-rocketmq
 echo  "ROCKETMQ_HOME=`pwd`" &gt;&gt; ~/.bash_profile
 source ~/.bash_profile
</code></pre> </li>
```

 <p>推送消息到 rocketmq 代碼</p> <pre><code class="highlight-c
roma">   private static void addMessToMq(String target, String targetValue, String apnsEnv, S
ring body,

```
    String iextParameters, String aextParameters, String title) {
    DefaultMQProducer producer = new DefaultMQProducer("Producer");
    //设置消息中心地址
    producer.setNamesrvAddr("192.168.12.3:9876");
    //异步成功和失败信息处理
    SendCallback sendCallback = new SendCallback() {
    @Override
        public void onSuccess(SendResult sendResult) {
    System._out_.println(sendResult);
    }
    @Override
    public void onException(Throwable throwable) {
    System._out_.println(throwable);
    }
    };
    try {
    producer.start();
    Message msg = new Message(target,//topic
    title, //tags
    targetValue, //keys
    apnsEnv.getBytes() //apnsEnv
    );
    msg.putUserProperty("body", body);
    msg.putUserProperty("iextParameters", iextParameters);
    msg.putUserProperty("aextParameters", aextParameters);


}
```

</code></pre>

 <p>消费者监听接收消息</p> <pre><code class="highlight-chroma
>   public class MemConsumer {

```
    public static void main(String[] args) {
    DefaultMQPushConsumer consumer = new DefaultMQPushConsumer("PushConsumer");
    consumer.setNamesrvAddr("192.168.12.3:9876");
    try {
    //消费者订阅主题为ACCOUNT名称下的所有内容
    consumer.subscribe("ACCOUNT","*");
    //设置消费开始读取的节点
    consumer.setConsumeFromWhere(ConsumeFromWhere._CONSUME_FROM_FIRST_OFFSET_
;
    //设置消息监听器
    consumer.registerMessageListener(new MessageListenerConcurrently() {
    @Override
    public ConsumeConcurrentlyStatus consumeMessage(List list, ConsumeConcurrentlyConte
t consumeConcurrentlyContext) {
    MessageExt msg = list.get(0);
    String apnsEnv = null;
    try {
    apnsEnv = new String(msg.getBody(),"UTF-8");
```

```
        } catch (UnsupportedEncodingException e) {
        e.printStackTrace();
                }
 pushMess("ACCOUNT",msg.getKeys(),apnsEnv,msg.getUserProperty("body"),msg.getProperty
"iextParameters"),msg.getProperty("aextParameters"),msg.getTags());
        return ConsumeConcurrentlyStatus._CONSUME_SUCCESS_;
        }
        });
        consumer.start();
        } catch (MQClientException e) {
        e.printStackTrace();
        }
        }
</code></pre> </li>


 <li> <p><strong>将消费者打包成 jar 包运行在服务器上面即可</strong></p> <pre><code clas
s="highlight-chroma"> java –jar owl1.jar
 nohup java -jar XXX.jar &gt;memberupdown.log &amp;
</code></pre> </li>


</ol>
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