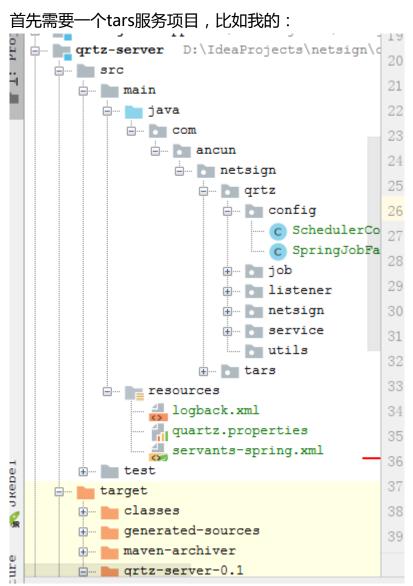
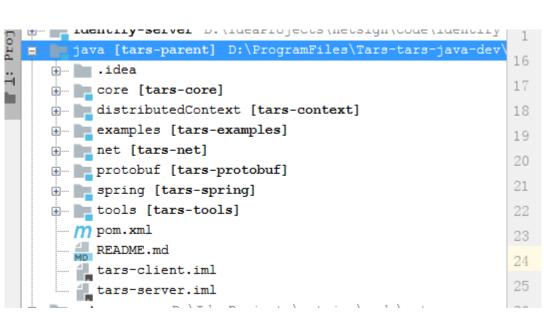
# tars 服务端的本地调试

# 一、准备工作

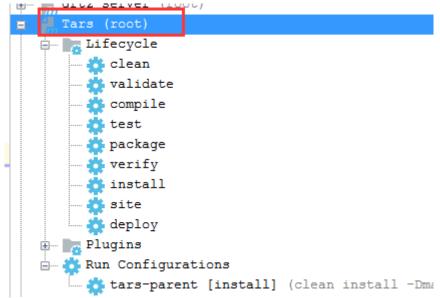


其次需要把tars源码装载到本地,比如我的是:

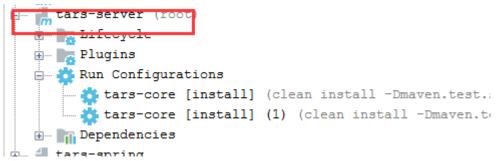


#### 当在tars源码的处理是:

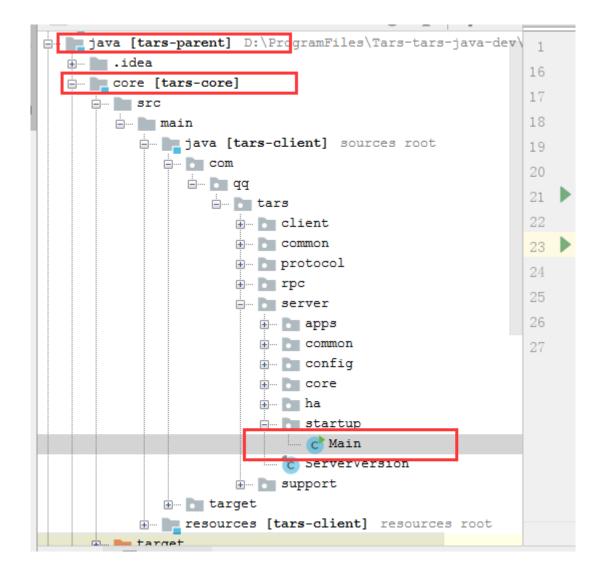
先tars根项目reimport,以及install。



#### 再tars-server项目reimport,以及install:



其实在项目就是先大环境再里面的小的:



# 二、tars服务项目的处理

1、由于我用的是servant-spring处理,所以,项目的mvn tars:tars2java,就没有运行,当然你也可以运行一下。

#### 2、编译项目

#### 3、获取tars服务代码

#### 运行

mvn tars:build -Dapp=NetSign -Dserver=QrtzServer -DjvmParams="-Xms256m - Xmx256m -Dcom.sun.management.jmxremote.ssl=false -

Dcom.sun.management.jmxremote.authenticate=false -Xdebug -Xrunj dwp:transport=dt\_socket,address=9000,server=y,suspend=n" -DskipTests

当然运行前需要把两个文件放入WEB-INF目录下:



qrtz-server-0.1是install项目得到的目录

QrtzServer.tars(我的好像可以忽略), servants.xml是需要放进去的文件:
QrtzServer.tars文件如下:

```
1 module NetSign
2 {
  interface QrtzServer
4
6 /**
 * 添加任务
  * @param quartzDto
  * @param quartzStr
  * @param msg
10
  * @return
11
   */
12
   int addSchedule(String quartzDto, out string quartzStr, out string
msg);
14
15 /**
  * 获取任务列表
16
   * @param quartzDto
17
   * @param quartzStr
18
   * @param msg
19
   * @return
```

```
21 */
22 int getScheduleList(String quartzDto, out string quartzStr, out string
msg);
23
24 /**
25 * 运行任务
  * @param quartzDto
26
  * @param quartzStr
27
28
   * @param msg
   * @return
29
   */
30
   int doSchedule(String quartzDto, out string quartzStr, out string msg);
31
32
  /**
33
34 * 暂停任务
  * @param quartzDto
35
  * @param quartzStr
36
  * @param msg
37
   * @return
38
39
   int pauseSchedule(String quartzDto, out string quartzStr, out string ms
40
g);
41
42 /**
43 * 从暂停中恢复任务运行
* @param quartzDto
* @param quartzStr
46
  * @param msg
* @return
48
   int recoverSchedule(String quartzDto, out string quartzStr, out string
49
msg);
50
51 /**
52 * 删除任务
  * @param quartzDto
* @param quartzStr
55
   * @param msg
  * @return
56
   */
57
   int deleteSchedule(String quartzDto, out string quartzStr, out string m
58
sg);
```

```
59 };
60 };
```

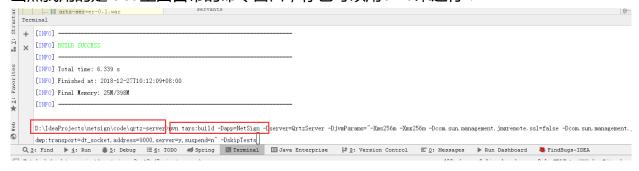
#### servant.xml文件如下:

#### 到项目根目录下运行:

```
1 mvn tars:build -Dapp=NetSign -Dserver=QrtzServer -DjvmParams="-Xms256m -X
mx256m -Dcom.sun.management.jmxremote.ssl=false -Dcom.sun.management.jmxrem
ote.authenticate=false -Xdebug -Xrunj
2 dwp:transport=dt_socket,address=9000,server=y,suspend=n" -DskipTests
```

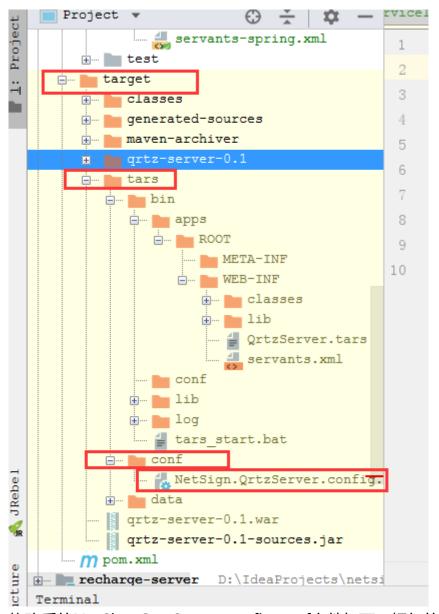
-Dapp=NetSign -Dserver=QrtzServer 就是QrtzServer.tars里面的module NetSign interface QrtzServer

当然我用的是idea里面自带的命令窗口,你也可以用cmd来运行:



#### 4、添加配置

需要修改conf下的NetSign.QrtzServer.config.conf文件



修改后的NetSign.QrtzServer.config.conf文件如下:标红的是需要注意修改的地方

```
1 <tars>
2  <application>
3  enableset=N
4  setdivision=NULL
5  <client>
6  locator=tars.tarsregistry.QueryObj@tcp -h 192.168.0.36 -p 17890
7  sync-invoke-timeout=20000
8  async-invoke-timeout=20000
9  refresh-endpoint-interval=60000
10  stat=tars.tarsstat.StatObj
11  property=tars.tarsproperty.PropertyObj
12  report-interval=60000
13  modulename=NetSign.QrtzServer
```

```
</client>
   <server>
   node=tars.tarsnode.ServerObj@tcp -h 192.168.0.36 -p 19386 -t 6
0000
   app=NetSign
  server=OrtzServer
   localip=192.168.0.36
   local=tcp -h 127.0.0.1 -p 18015 -t 3000
   basepath=D:\IdeaProjects\netsign\code\qrtz-server\target\tars
\bin
   datapath=D:\IdeaProjects\netsign\code\qrtz-server\target\tars
\data
   logpath=D:\IdeaProjects\netsign\code\qrtz-server\target\tars\b
in\log
   loglevel=DEBUG
   logsize=15M
   log=tars.tarslog.LogObj
   config=tars.tarsconfig.ConfigObj
   notify=tars.tarsnotify.NotifyObj
   mainclass=com.qq.tars.server.startup.Main
   jvmparams=-Xms256m -Xmx256m -
Dcom.sun.management.jmxremote.ssl=false -Dcom.sun.management.jmxre
mote.authenticate=false -Xdebug -Xrunjdwp:transport=dt socket,addr
ess=9000, server=y, suspend=n
   sessiontimeout=120000
   sessioncheckinterval=60000
  tcpnodelay=true
   udpbuffersize=8192
   charsetname=UTF-8
   <NetSign.QrtzServer.QetzServerObjAdapter>
   allow
   endpoint=tcp -h 192.168.0.36 -p 18015 -t 60000
   handlegroup=NetSign.QrtzServer.QetzServerObjAdapter
   maxconns=200000
   protocol=tars
   queuecap=10000
   queuetimeout=60000
```

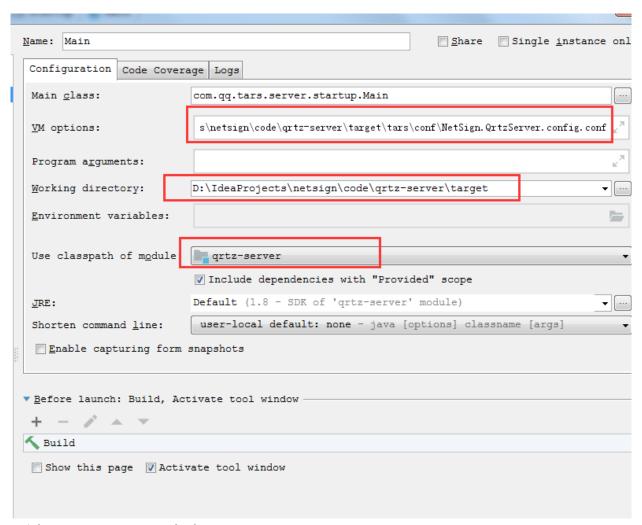
```
servant=NetSign.QrtzServer.QetzServerObj
shmcap=0
shmkey=0
threads=5

//NetSign.QrtzServer.QetzServerObjAdapter>
//server>
//server>
//application>
//tars>
```

```
qrtz-server \rangle 🖿 target \rangle 🖿 tars \rangle 🖿 conf \rangle 🚜 NetSign.QrtzServer.config.conf \rangle
 JobServiceImpl.java x | figuartz.properties x | fa NetSign.QrtzServer.config.conf x
                                                                                         QrtzServer.tars
          <tars>
 2
             <application>
               enableset=N
               setdivision=NULL
               <client>
               locator=tars.tarsregistry.QueryObj@tcp -h 192.168.0.36 -p 17890
 6
                sync-invoke-timeout=20000
                asvnc-invoke-timeout=20000
 8
 9
                refresh-endpoint-interval=60000
10
                stat=tars.tarsstat.StatObj
                property=tars.tarsproperty.PropertyObj
12
                report-interval=60000
                modulename=NetSign.QrtzServer
               </client>
               <server>
15
                node=tars.tarsnode.ServerObj@tcp -h 192.168.0.36 -p 19386 -t 60000
16
17
                 app=NetSign
18
                 server=QrtzServer
                localip=192.168.0.36
19
                local=tcp -h 127.0.0.1 -r 18015 -t 3000
                basepath=D:\IdeaProjects\netsign\code\qrtz-server\target\tars\bin
21
                 datapath=D:\IdeaProjects\netsign\code\qrtz-server\target\tars\data
                logpath=D:\IdeaProjects\netsign\code\qrtz-server\target\tars\bin\log
                loglevel=DEBUG
24
                logsize=15M
25
                log=tars.tarslog.Log0bj
26
                 config=tars.tarsconfig.ConfigObj
27
 28
                notify=tars.tarsnotify.NotifyObj
                 mainclass=com. qq. tars. server. startup. Main
                 jvmparams=-Xms256m -Xmx256m -Dcom. sun. management. jmxremote.ssl=false -Dcom. sun. manageme
31
                 sessiontimeout=120000
                 sessioncheckinterval=60000
                 tcpnodelay=true
                 udpbuffersize=8192
```

```
tcpnodelay=true
     udpbuffersize=8192
      charsetname=UTF-8
        <NetSign.QrtzServer.QetzServerObjAdapter>_
    endpoint=tcp -h 192.168.0.36 -p 18015 -t 60000
   handlegroup=NetSign.QrtzServer.QetzServerObjAdapter
   maxconns=200000
   protocol=tars
    queuecap=10000
    queuetimeout=60000
    servant=NetSign.QrtzServer.QetzServerObj
    shmcap=0
    shmkey=0
   threads=5
  </NetSign.QrtzServer.QetzServerObjAdapter>
   </server>
  </application>
</tars>
```

# 三、运行Main进行调试



### 通过idea Application启动

Main class: com.qq.tars.server.startup.Main

Vm options; -Xms256m -Xmx256m -Dcom.sun.management.jmxremote.ssl=false -

Dcom.sun.management.jmxremote.authenticate=false -

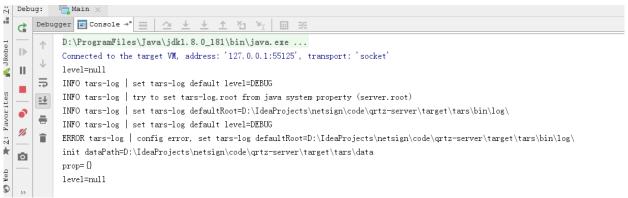
Dconfig=D:\IdeaProjects\netsign\code\qrtz-

server\target\tars\conf\NetSign.QrtzServer.config.conf

Working directory: D:\IdeaProjects\netsign\code\qrtz-server\target

Use classpath of module: grtz-server

### (不知道是什么原因,虽然我启动成功了但是还是连接不上)



```
Edit Selection Find New Goto Jools Project Prefereges Help

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**Modern
```

接下来,继续处理这个问题:应该是数据源获取不到的原因吧

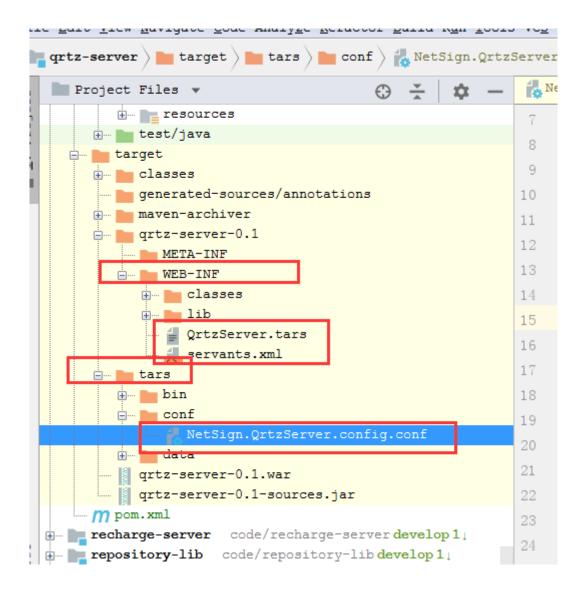
## 附加:

1、由于我设置的tars服务平台地址有问题,所以启动的时候一直报连接不上的问题,只要重新修改tarsconf的配置就好了,重新配置的代码如下:

```
expected99thPercentileMs = 10
15 </db>
16 </application>
17 <tars>
18 <application>
19 enableset = N
  setdivision = NULL
  <client>
   locator = tars.tarsregistry.QueryObj@tcp -h 192.168.0.239 -p 1
7890
   sync-invoke-timeout = 20000
   async-invoke-timeout = 20000
   refresh-endpoint-interval = 60000
   stat = tars.tarsstat.StatObj
   property = tars.tarsproperty.PropertyObj
   report-interval = 60000
   modulename = NetSign.QrtzServer
   </client>
   <server>
   node = tars.tarsnode.ServerObj@tcp -h 192.168.0.239 -p 19386
t 60000
   app = NetSign
   server = OrtzServer
   localip = 192.168.0.36
   local = tcp -h 127.0.0.1 -p 18015 -t 3000
   basepath = D:\IdeaProjects\netsign\code\qrtz-server\target\tar
s\bin
   datapath = D:\IdeaProjects\netsign\code\qrtz-server\target\tar
s\data
   logpath = D:\qrtz-server\\log
   loglevel = DEBUG
   logsize = 15M
   log = tars.tarslog.LogObj
   config = tars.tarsconfig.ConfigObj
   notify = tars.tarsnotify.NotifyObj
   mainclass = com.qq.tars.server.startup.Main
```

```
jvmparams = -Xms256m -Xmx256m -Dcom.sun.management.jmxremote.s
sl=false -Dcom.sun.management.jmxremote.authenticate=false -Xdebug
-Xrunjdwp:transport=dt_socket, address = 9000, server = y, suspend
= n
   sessiontimeout = 120000
   sessioncheckinterval = 60000
   tcpnodelay = true
   udpbuffersize = 8192
   charsetname = UTF-8
   <NetSign.QrtzServer.QrtzServerObjAdapter>
   allow
   endpoint = tcp -h 192.168.0.36 -p 18015 -t 60000
   handlegroup = NetSign.QrtzServer.QrtzServerObjAdapter
   maxconns = 200000
   protocol = tars
   queuecap = 10000
   queuetimeout = 60000
   servant = NetSign.QrtzServer.QrtzServerObj
   shmcap = 0
   shmkey = 0
   threads = 5
   </NetSign.QrtzServer.QrtzServerObjAdapter>
65 </server>
66 </application>
67 </tars>
```

2、在运行的时候添加上配置文件,一定要添加到编译后的地方如图:



3、由于未知原因导致自动注入不了bean(需要继续研究),所以我这边直接使用springUtils来获取容器里面的bean了。

```
public JobService getJobService() {
   if(null == jobService) {
      return SpringUtils. getBean(JobService. class);
   }
   return jobService;
}
```

https://tars.tencent.com/base/help/TARS\_quick\_start\_Java.html
https://wenku.baidu.com/view/77bfc3ffb04e852458fb770bf78a6529647d35c8.html
http://www.quartz-scheduler.org/
https://github.com/quartz-scheduler/quartz