

一，log4j的介绍

1，日志的工具，通过log4j可以看到程序运行过程中更详细的信息。

(1) 经常使用log4j查看日志

2，使用

(1) 导入log4j的jar包



log4j-core-2.11.2.jar
1.55MB



log4j-api-2.11.2.jar
260.04KB

(2) 复制log4j的配置文件，复制到src下面

```
### \u914D\u7F6E\u6839 ###
```

```
log4j.rootLogger = debug,console,fileAppender,dailyRollingFile,ROLLING_FILE,MAIL,DATABASE
log4j.appender.stdout=org.apache.log4j.ConsoleAppender
log4j.appender.stdout.Target=System.err
log4j.appender.stdout.layout=org.apache.log4j.PatternLayout
log4j.appender.stdout.layout.ConversionPattern=%d{ABSOLUTE} %5p %c{1}:%L - %m%n
```

```
###direct message to file mylog.log
```

```
log4j.appender.file=org.apache.log4j.FileAppender
log4j.appender.file.File=E:\\log\\mylog.log
log4j.appender.file.layout=org.apache.log4j.PatternLayout
log4j.appender.file.layout.ConversionPattern=%d{ABSOLUTE} %5p %c{1}:%L - %m%n
```

```
###
```

```
\u8BBE\u7F6E\u8F93\u51FAsql\u7684\u7EA7\u522B\uFF0C\u5176\u4E2Dlogger\u540E\u9762\u7684\u5185\u5BB9\u5168\u90E
```

```
###
```

```
log4j.logger.org.apache=dubug
log4j.logger.java.sql.Connection=dubug
log4j.logger.java.sql.Statement=dubug
log4j.logger.java.sql.PreparedStatement=dubug
log4j.logger.java.sql.ResultSet=dubug
```

```
### \u914D\u7F6E\u8F93\u51FA\u5230\u63A7\u5236\u53F0 ###
```

```
log4j.appender.console = org.apache.log4j.ConsoleAppender
log4j.appender.console.Target = System.out
log4j.appender.console.layout = org.apache.log4j.PatternLayout
log4j.appender.console.layout.ConversionPattern = %d{ABSOLUTE} %5p %c{ 1 }:%L - %m%n
```

```
### \u914D\u7F6E\u8F93\u51FA\u5230\u6587\u4EF6 ###
```

```
log4j.appender.fileAppender = org.apache.log4j.FileAppender
log4j.appender.fileAppender.File = logs/log.log
log4j.appender.fileAppender.Append = true
log4j.appender.fileAppender.Threshold = DEBUG
log4j.appender.fileAppender.layout = org.apache.log4j.PatternLayout
log4j.appender.fileAppender.layout.ConversionPattern = %-d{yyyy-MM-dd HH:mm:ss} [ %t:%r ] - [ %p ] %m%n
```

```
###
```

```
\u914D\u7F6E\u8F93\u51FA\u5230\u6587\u4EF6\uFF0C\u5E76\u4E14\u6BCF\u5929\u90FD\u521B\u5EFA\u4E00\u4E2A\u6587
```

```
###
```

```
log4j.appender.dailyRollingFile = org.apache.log4j.DailyRollingFileAppender
log4j.appender.dailyRollingFile.File = logs/log.log
log4j.appender.dailyRollingFile.Append = true
log4j.appender.dailyRollingFile.Threshold = DEBUG
log4j.appender.dailyRollingFile.layout = org.apache.log4j.PatternLayout
log4j.appender.dailyRollingFile.layout.ConversionPattern = %-d{yyyy-MM-dd HH:mm:ss} [ %t:%r ] - [ %p ] %m%n
```

```
###
```

```
\u914D\u7F6E\u8F93\u51FA\u5230\u6587\u4EF6\uFF0C\u4E14\u5927\u5C0F\u5230\u8FBE\u6307\u5B9A\u5C3A\u5BF8\u7684
```

```
###
```

```
log4j.appender.ROLLING_FILE=org.apache.log4j.RollingFileAppender
log4j.appender.ROLLING_FILE.Threshold=ERROR
log4j.appender.ROLLING_FILE.File=rolling.log
log4j.appender.ROLLING_FILE.Append=true
```

```
log4j.appender.ROLLING_FILE.MaxFileSize=10KB
log4j.appender.ROLLING_FILE.MaxBackupIndex=1
log4j.appender.ROLLING_FILE.layout=org.apache.log4j.PatternLayout
log4j.appender.ROLLING_FILE.layout.ConversionPattern=[framework] %d - %c -%-4r [%t] %-5p %c %x - %m%n
```

```
### \u914D\u7F6E\u8F93\u51FA\u5230\u90AE\u4EF6 ###
```

```
log4j.appender.MAIL=org.apache.log4j.net.SMTPAppender
log4j.appender.MAIL.Threshold=FATAL
log4j.appender.MAIL.BufferSize=10
log4j.appender.MAIL.From=chenyl@yeqian i.com
log4j.appender.MAIL.SMTPHost=mail.hollycrm.com
log4j.appender.MAIL.Subject=Log4J Message
log4j.appender.MAIL.To=chenyl@yeqiangwei.com
log4j.appender.MAIL.layout=org.apache.log4j.PatternLayout
log4j.appender.MAIL.layout.ConversionPattern=[framework] %d - %c -%-4r [%t] %-5p %c %x - %m%n
```

```
### \u914D\u7F6E\u8F93\u51FA\u5230\u6570\u636E\u5E93 ###
```

```
log4j.appender.DATABASE=org.apache.log4j.jdbc.JDBCAppender
log4j.appender.DATABASE.URL=jdbc:mysql://localhost:3306/test
log4j.appender.DATABASE.driver=com.mysql.jdbc.Driver
log4j.appender.DATABASE.user=root
log4j.appender.DATABASE.password=
log4j.appender.DATABASE.sql=INSERT INTO LOG4J (Message) VALUES ('[framework] %d - %c -%-4r [%t] %-5p %c %x - %m%n')
log4j.appender.DATABASE.layout=org.apache.log4j.PatternLayout
log4j.appender.DATABASE.layout.ConversionPattern=[framework] %d - %c -%-4r [%t] %-5p %c %x - %m%n
log4j.appender.A1=org.apache.log4j.DailyRollingFileAppender
log4j.appender.A1.File=SampleMessages.log4j
log4j.appender.A1.DatePattern=yyyyMMdd-HH'.log4j'
log4j.appender.A1.layout=org.apache.log4j.xml.XMLLayout
```

(3) 设置日志的级别

```
log4j.rootLogger=info, stdout
```

①info: 查看基本的信息

②debug: 看到更详细的信息