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If you want to use log4j or log4j2 instead of standard Java logging API for your application, simply add the logger factory configuration to your classpath. First, create a file with the name

loggerfactory.properties

in one of your source/resource directories. Don't use a package name!
Put following content in it:

loggerfactory.properties

```
default.class=com.sibvisions.util.log.log4j.Log4jLoggerFactory
```

Don't forget to add the dependencies to your project (log4j or log4j2) and to configure:

log4j.properties

```
log4j.rootLogger=ERROR,stdout

log4j.appender.stdout=org.apache.log4j.ConsoleAppender
log4j.appender.stdout.layout=org.apache.log4j.PatternLayout
log4j.appender.stdout.layout.ConversionPattern=%p\t%d{ISO8601}\t%r\t%c\t[%t]\t%m%n
```

or

log4j2.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<Configuration>

  <Appenders>
    <Console name="STDOUT" target="SYSTEM_OUT">
      <PatternLayout pattern="%d %-5p [%t] %C{1} (%F:%L) - %m%n"/>
    </Console>
  </Appenders>

  <Loggers>
    <Root level="error">
      <AppenderRef ref="STDOUT"/>
    </Root>
  </Loggers>

</Configuration>
```

Another way to configure the logger factory is to set the system property:

```
LoggerFactory.default=com.sibvisions.util.log.log4j.Log4jLoggerFactory
```

as JVM start parameter (-DLoggerFactory.default=...).

This system property works in all JVx versions.

JVx **before 2.8.5** also had different configuration options:

config.xml

(server zone)

config.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<server>
    ...

<logfactory>com.sibvisions.util.log.log4j.Log4jLoggerFactory</logfactor
y>
</server>
```

application.xml

application.xml

```
<application>
    ...

<Launcher.logfactory>com.sibvisions.util.log.log4j.Log4jLoggerFactory</
Launcher.logfactory>
</application>
```

These options are not supported in newer JVx versions because you had to configure logging in different places.

Note

We have sample files for log4j and log4j2 in our [repository](#).

From:

<https://doc.sibvisions.com/> - **Documentation**

Permanent link:

<https://doc.sibvisions.com/jvx/common/util/log4j>



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