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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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