

Information logging

Our modeling tools, including MagicDraw, use the Log4j logger. The configuration file is `<program installation directory>/data/log4j2.xml`.



The `<program installation directory>/data/log4j2-test.xml` file is used as a configuration file for program test cases.

The following sample presents the content of the configuration file. It configures the logger to print INFO category messages to a console with a specific pattern.

```
<?xml version="1.0" encoding="UTF-8"?>
<Configuration status="warn" monitorInterval="30">
  <Appenders>
    <Console name="Console" target="SYSTEM_OUT">
      <PatternLayout pattern="%d [%t] [%X{id} %X{action_name}] %-5p %c - %m%n"/>
    </Console>
  </Appenders>
  <Loggers>
    <Root level="info">
      <AppenderRef ref="Console"/>
    </Root>
  </Loggers>
</Configuration>
```

The example below displays how information can be logged to the configured log file:

```
//used to get logger with category name
org.apache.log4j.Logger logger = org.apache.log4j.Logger.getLogger
("GENERAL");

// set thread context values (optional)
ThreadContext.put("id", "My id");
ThreadContext.put("action_name", "My Action");

logger.info("Logging info");
logger.error("Logging error");

//by default the text will be displayed in the form of:
//0000-00-00 00:00:00,000 [THREAD] [My id My Action] INFO GENERAL -
Logging info
//0000-00-00 00:00:00,000 [THREAD] [My id My Action] ERROR GENERAL -
Logging error
```

More information about Log4j can be found at <https://logging.apache.org/log4j/2.x/>.