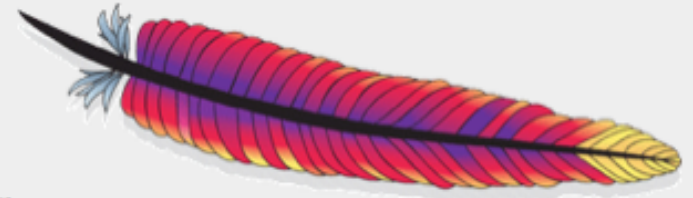


Logging events



Apache logging services

The Apache Logging Services Project creates and maintains open-source software related to the logging of application behavior and released at no charge to the public.



<http://logging.apache.org>

Apache log4j

Apache log4php

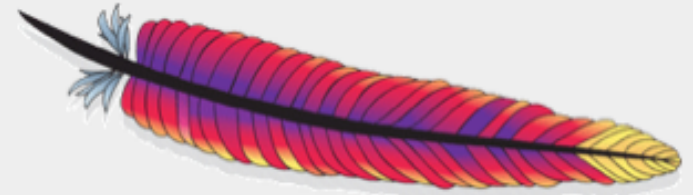
Apache log4net

Apache chainsaw

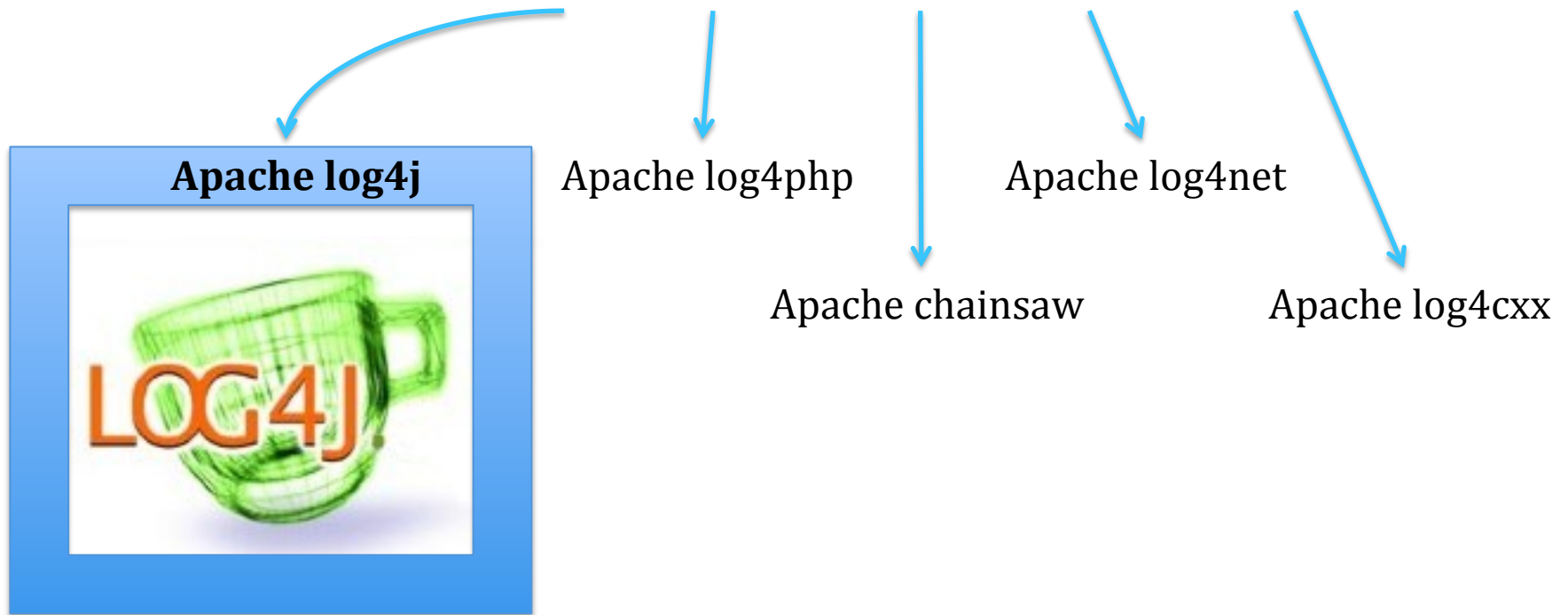
Apache log4cxx

Apache logging services

The Apache Logging Services Project creates and maintains open-source software related to the logging of application behavior and released at no charge to the public.



<http://logging.apache.org>



How to use



<http://logging.apache.org>



Available:

- * <http://logging.apache.org/log4j/1.2>
- * <http://logging.apache.org/log4j/2.x> (still in beta)

Download:

- * <http://archive.apache.org/dist/logging/log4j>



Log4j includes three main components:

- * **loggers** - are responsible for capturing logging information;
- * **appenders** - are responsible for publishing logging information to different destinations;
- * **layouts** - are responsible for formatting logging information.



LEVEL	
FATAL	Designates very severe error events that will presumably lead the application to abort.
ERROR	Designates error events that might still allow the application to continue running.
WARN	Designates potentially harmful situations.
INFO	Designates informational messages that highlight the progress of the application at coarse-grained level.
DEBUG	Designates fine-grained informational events that are most useful to debug an application.
TRACE	Designates finer-grained informational events than the DEBUG.



LEVEL	
ALL	<i>All levels including custom levels.</i>
OFF	<i>Intended to turn off logging</i>



green – the method will be effective in the event log

red – the method will be ignored

	<code>fatal()</code>	<code>error()</code>	<code>warn()</code>	<code>info()</code>	<code>debug()</code>	<code>trace()</code>
FATAL						
ERROR						
WARN						
INFO						
DEBUG						
TRACE						
	<code>fatal()</code>	<code>error()</code>	<code>warn()</code>	<code>info()</code>	<code>debug()</code>	<code>trace()</code>
OFF						
ALL						

How to use log4j in Eclipse





Eclipse configuration

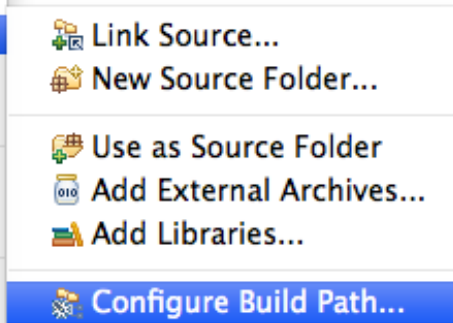
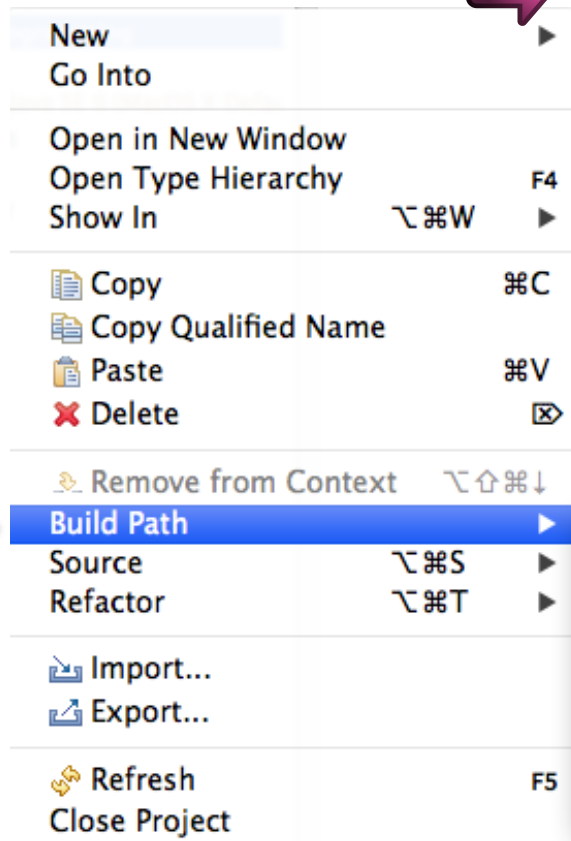


1. Choose the java package and **Ctrl** + click on the package name.

2. Choose **Build Path**



Configure Build Path...

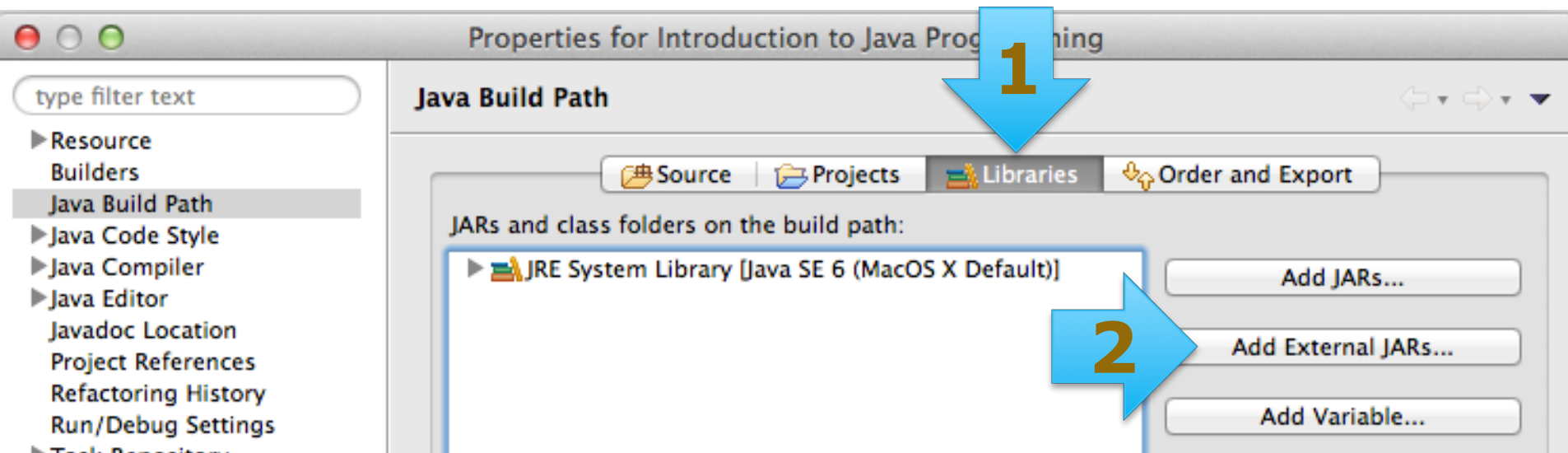




Eclipse configuration



3. Choose **Libraries** tab (1) and press **Add External JARs** button (2).

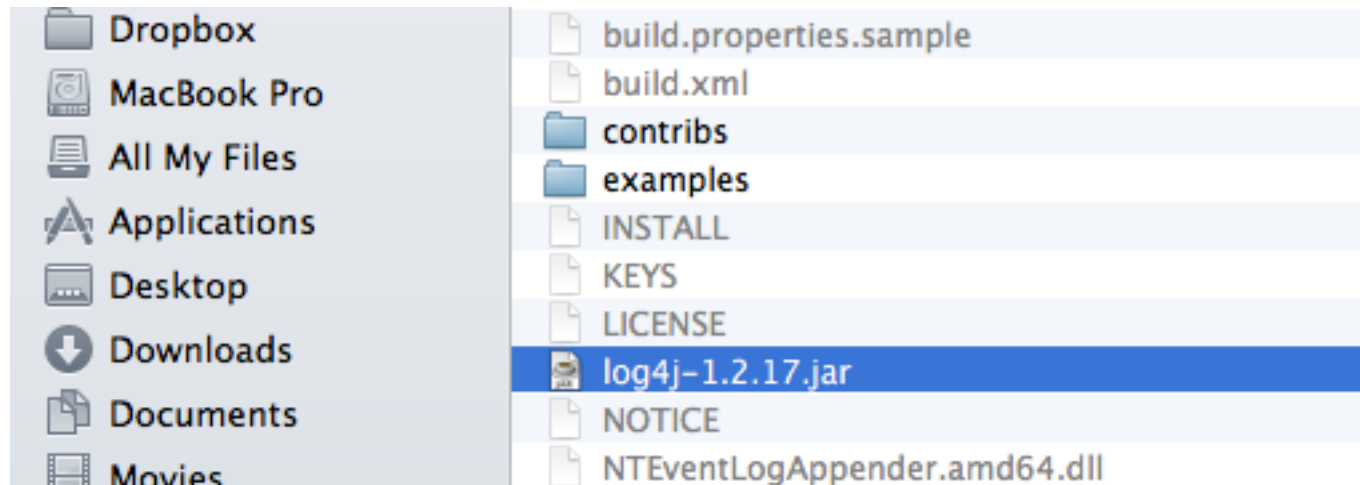




Eclipse configuration



4. Choose the **log4j-1.2.17.jar** file.

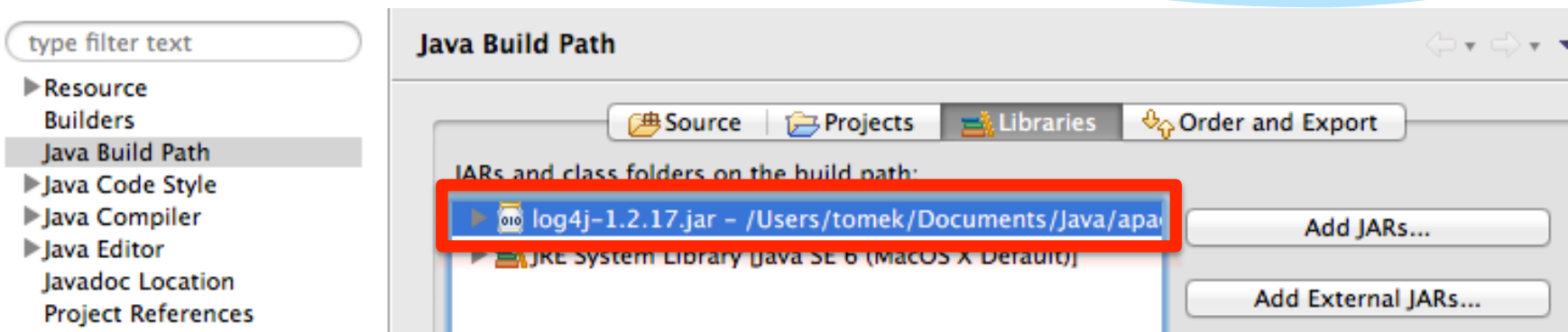




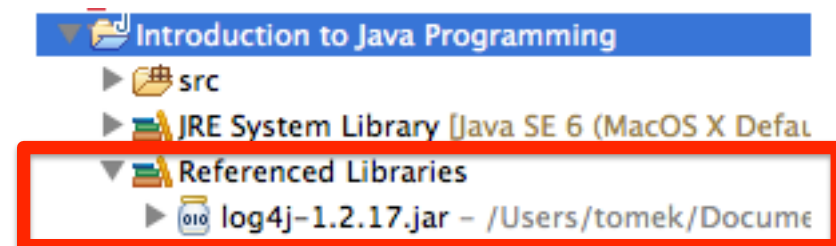
Eclipse configuration



5. You will see the reference to the **log4j-1.2.17.jar** file in the Java Build Path window.



6. You will also see the **log4j-1.2.17.jar** file in the Package Explorer window.





Eclipse configuration



7. In **Libraries** (1) tab choose the **Javadoc location** (2) and then press **Edit...** button (3).

The screenshot shows the Eclipse IDE interface with the 'Properties for Introduction to Java Programming' dialog open. The 'Libraries' tab is selected, and the 'Javadoc location' entry is highlighted. The 'Edit...' button is visible at the bottom right.

1. Select the 'Libraries' tab.

2. Select the 'Javadoc location' entry.

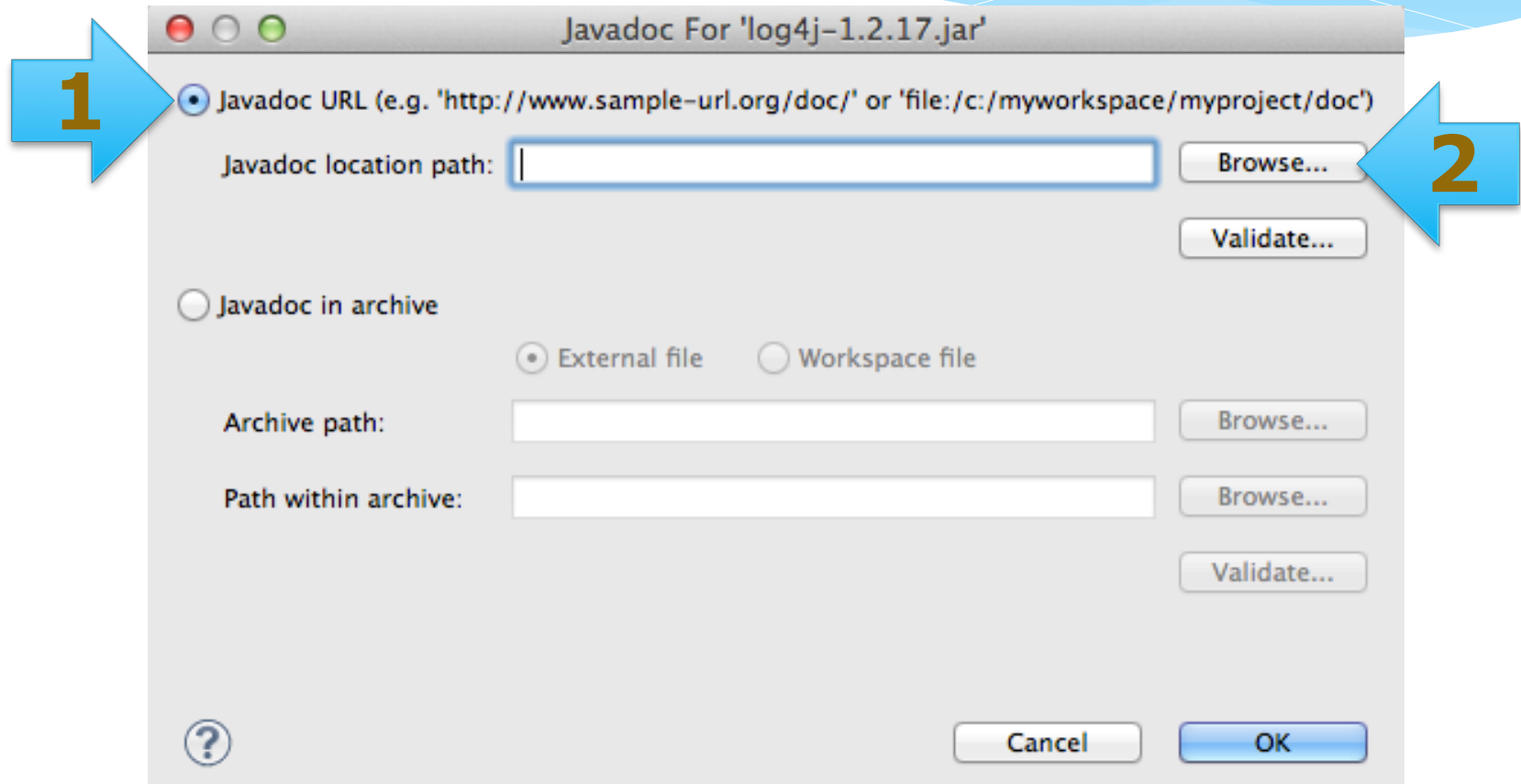
3. Click the 'Edit...' button.



Eclipse configuration



8. Choose the **Javadoc URL (1)** and press **Browse...** button (2).

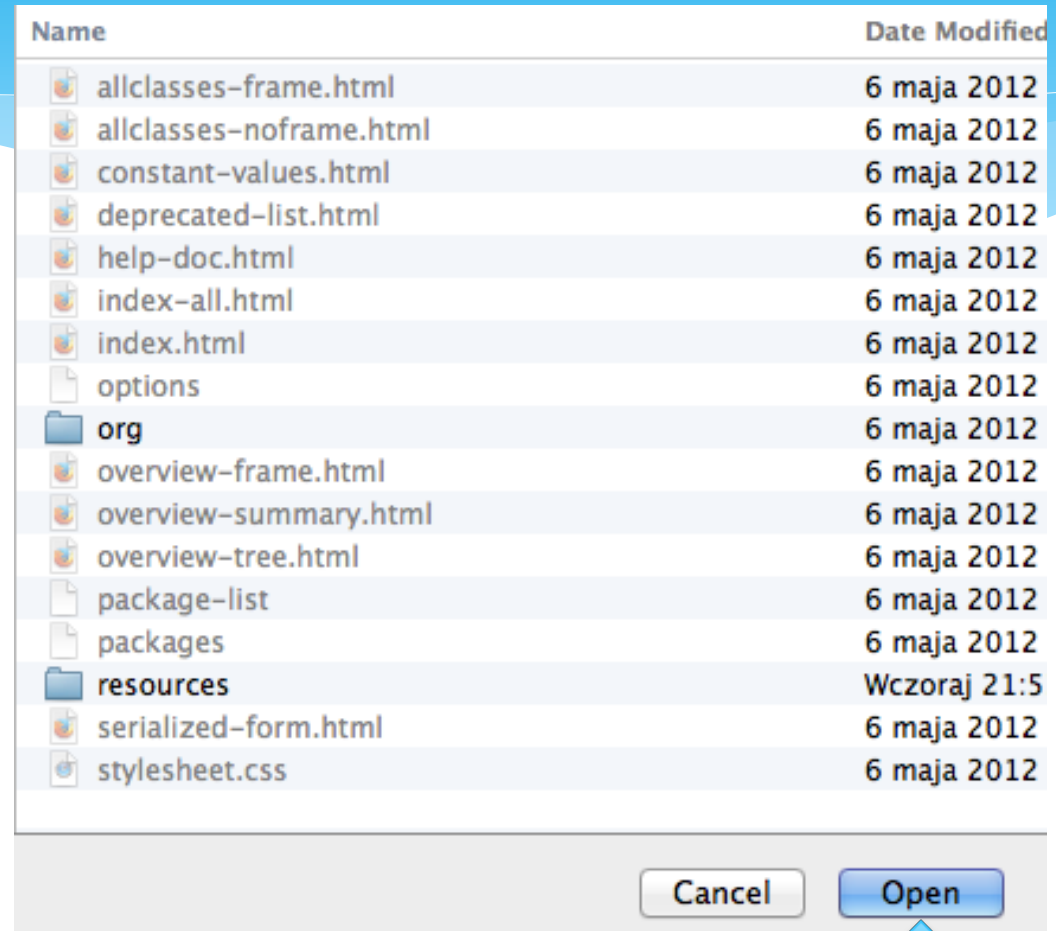




Eclipse configuration



9. Go to **site** subdirectory and then to **apidocs** subdirectory, and press **Open** button **(1)**

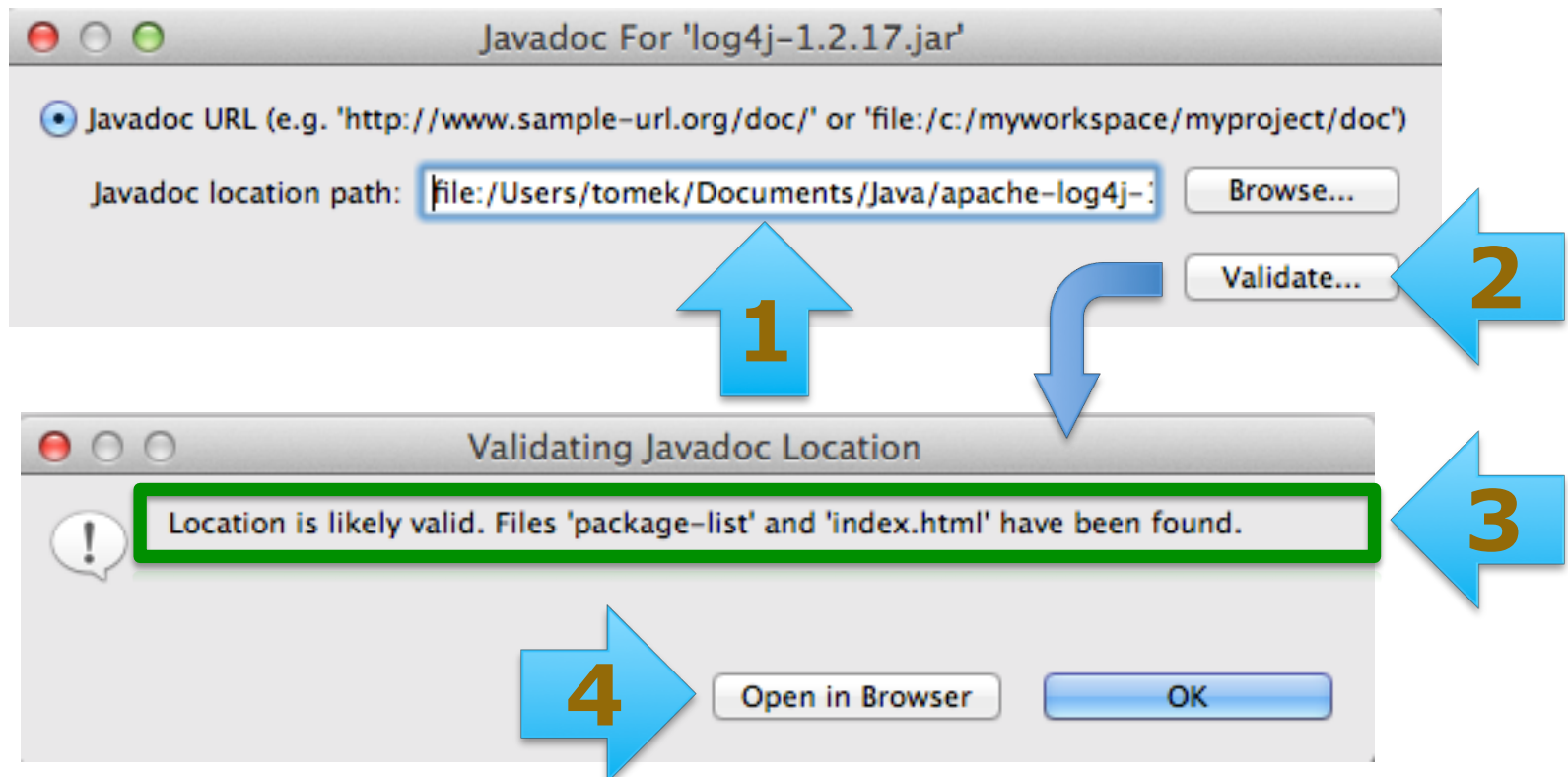




Eclipse configuration



10. You will see the filled form (1). To check if the link is valid press **Validate...** button (2) and then press **Open in Browser** button (3) to see the **log4j** API local web page.





Eclipse configuration



11. You should see the main Apache log4j API page, if everything went correctly.

All Classes

Packages

[org.apache.log4j](#)
[org.apache.log4j.chainsaw](#)
[org.apache.log4j.config](#)
[org.apache.log4j.helpers](#)
[org.apache.log4j.jdbc](#)
[org.apache.log4j.jmx](#)
[org.apache.log4j.lf5](#)
[org.apache.log4j.lf5.util](#)
[org.apache.log4j.lf5.viewer](#)

All Classes

[AbsoluteTimeDateFormat](#)
[AbstractDynamicMBean](#)
[AdapterLogRecord](#)
[Agent](#)
[Appender](#)
[AppenderAttachable](#)
[AppenderAttachableImpl](#)
[AppenderDynamicMBean](#)
[AppenderFinalizer](#)
[AppenderSkeleton](#)
[AsyncAppender](#)
[AttributesRenderer](#)
[BasicConfigurator](#)
[BoundedFIFO](#)
[BridgePatternConverter](#)
[BridgePatternParser](#)
[CachedDateFormat](#)
[Category](#)
[CategoryAbstractCellEditor](#)
[CategoryElement](#)

Overview Package Class Use Tree Deprecated Index Help

PREV NEXT

FRAMES NO FRAMES

Apache Log4j 1.2.17 API

Packages

org.apache.log4j	The main log4j package.
org.apache.log4j.chainsaw	Chainsaw is a GUI log viewer and filter for the log4j package.
org.apache.log4j.config	Package used in getting/setting component properties.
org.apache.log4j.helpers	This package is used internally.
org.apache.log4j.jdbc	The JDBCAppender provides for sending log events to a database.
org.apache.log4j.jmx	This package lets you manage log4j settings using JMX.
org.apache.log4j.lf5	
org.apache.log4j.lf5.util	
org.apache.log4j.lf5.viewer	
org.apache.log4j.lf5.viewer.categoryexplorer	
org.apache.log4j.lf5.viewer.configure	
org.apache.log4j.net	Package for remote logging.
org.apache.log4j.nt	Package for NT event logging.
org.apache.log4j.or	ObjectRenderers are responsible for rendering messages depending on their class type.
org.apache.log4j.xml	This package contains the MessageRenderer which renders objects of type



Eclipse configuration



12. Go back to **Libraries** tab (1), you can see that **Javadoc** is set and now you can set **Source attachments** (2).

