

Log4j API that can be used to create logging infra structure in your tests.

Why logging is important in any application?

Logging is very important to any application. It helps us in quick debugging, easy maintenance by collecting information about the execution.

<http://logging.apache.org/log4j/1.2/download.html>

Advantages of Log4j

- Log4j allows you to have a very good logging infrastructure with minimal efforts.
- Allows categorizing logs at different logging levels (Trace, Debug, Info, Warn, Error and Fatal).
- Provides control to format the output of the logs.
- It has multiple appenders styles, which allows to direct logs to different outputs styles like a file, console or a database.
- Logging can be set at runtime using configuration files
- Log4j is thread safe
- Log4j is a Reliable, Fast and Flexible Logging Framework (APIs) written in Java, which is distributed under the Apache Software License.
- Log4j supports multiple languages Java, C, C++, C#, Perl, Python are few to name.
- Log4j is configurable through configuration files at runtime.

Log4j consists of three main components

Logger

This is a class, which helps you log information at different logging levels.

Appenders

Appenders are objects, which help Logger objects write logs to different outputs. Appenders can specify a file, console or a database as the output location.

Layouts

Layout class helps us define how the log information should appear in the outputs.