

im4java Reference

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1. Configuration

You can configure the behaviour of the im4java-library with the following environment-variables and system-properties:

IM4JAVA_TOOLPATH (environment)

Default searchpath for [commandline tools](#). Must use the platform-specific path-delimiter.

im4java.useGM (system-property)

If true, use [GraphicsMagick](#) instead of [ImageMagick](#).

im4java.maxProcs (system-property)

The maximum number of asynchronous processes the `org.im4java.process.ProcessExecutor` will run concurrently. If unset or if the property has the value *auto*, the number returned by `Runtime.availableProcessors()` is used. Note that the `ProcessExecutor` will at least use one process.

2. Test Cases

The package `org.im4java.test` contains a growing number of test-cases, demonstrating the various features of the im4java-library. Here is a quick overview.

TestCase1

Simple use of convert

TestCase2

Operation and sub-operations

TestCase3

Using montage

TestCase4

The ChannelMixer-class

TestCase5

Using mogrify

TestCase6

Using identify

TestCase7

Using composite

TestCase8

Using the Info-class

TestCase9

The NoiseFilter-class

TestCase10

Piping

TestCase11

Dynamic operations

TestCase12

Reading BufferedImage

TestCase13

Writing BufferedImage

TestCase14

GraphicsMagick

TestCase15

Using jpegtran

TestCase16

Asynchronous execution. Basic version.

TestCase16a

Asynchronous execution. This version uses

`Executors.newSingleThreadExecutor()` to acquire a `ExecutorService`.

TestCase16b

Asynchronous execution. This version uses a `ProcessExecutor` to run at most two processes in parallel.

TestCase17

Using ufrw-batch

TestCase18

Using exiftool

TestCase19

Using ddraw

TestCase20

Setting search PATHs

TestCase21

Parallel processes

TestCase22

Using the BatchConverter-class