**Commons Imaging: a Pure-Java Image Library**

Apache Commons Imaging, previously known as Apache Commons Sanselan, is a library that reads and writes a variety of image formats, including fast parsing of image info (size, color space, ICC profile, etc.) and metadata.

This library is pure Java. It's slower, consequently, but perfectly portable. It's easier to use than ImageIO/JAI/Toolkit (Sun/Java's image support), supports more formats (and supports them more correctly). It also provides easy access to metadata.

Imaging was working and was used by a number of projects in production even before version 1.0.

This project is Open Source; free as in freedom and free as in beer. It is available under the ASF (Apache) License. This is a non-viral Open Source license.

* [Why Use Commons Imaging?](http://commons.apache.org/proper/commons-imaging/whyimaging.html)
* [Getting Started](http://commons.apache.org/proper/commons-imaging/gettingstarted.html)

**Documentation**

A getting started [guide](http://commons.apache.org/proper/commons-imaging/gettingstarted.html) is available together with various [project reports](http://commons.apache.org/proper/commons-imaging/project-reports.html).

The JavaDoc API documents are available online:

* The [latest API docs](http://commons.apache.org/proper/commons-imaging/apidocs/index.html)
* Older releases - see the [Release History](http://commons.apache.org/proper/commons-imaging/history.html) page

The [subversion repository](http://commons.apache.org/proper/commons-imaging/source-repository.html) can be [browsed](http://svn.apache.org/viewvc/commons/proper/imaging/trunk/), or you can browse/contribute via [GitHub](https://github.com/apache/commons-imaging).

**Release Information**

**Latest Imaging Release**

Imaging has not yet been release, but the latest snapshot build can be downloaded from the snapshot repository:

* Download [1.0-SNAPSHOT](https://repository.apache.org/content/groups/snapshots/org/apache/commons/commons-imaging/1.0-SNAPSHOT/)

Alternatively you can pull it via central Maven snapshot repositories:

<groupId>org.apache.commons</groupId>

<artifactId>commons-imaging</artifactId>

<version>1.0-SNAPSHOT</version>

To make maven aware of the snapshot repository you have to add it to the repositories section of your pom (see [maven pom reference](http://maven.apache.org/pom.html#Repositories)):

<repository>

<id>apache.snapshots</id>

<url>http://repository.apache.org/snapshots/</url>

</repository>

**Final Sanselan Release**

The latest stable release of Sanselan is 0.97 You may:

* Download [0.97](http://commons.apache.org/proper/commons-imaging/download_sanselan.cgi)

Alternatively you can pull it from the central Maven repositories:

<groupId>org.apache.sanselan</groupId>

<artifactId>sanselan</artifactId>

<version>0.97-incubator</version>

For information on previous releases see the [Release History](http://commons.apache.org/proper/commons-imaging/release-history.html), and to download previous releases see the [Commons Sanselan Archive](http://archive.apache.org/dist/commons/sanselan/).

**Support**

The [commons mailing lists](http://commons.apache.org/proper/commons-imaging/mail-lists.html) act as the main support forum. The user list is suitable for most library usage queries. The dev list is intended for the development discussion. Please remember that the lists are shared between all commons components, so prefix your email by [imaging].

Bug reports and enhancements are also welcomed via the [JIRA](http://commons.apache.org/proper/commons-imaging/issue-tracking.html) issue tracker. Please read the instructions carefully.

**Sanselan** is called previosly.

1.0开始称为Imaging

之前均称为：Sanselan。