

# Jim's history (technical issues)

## Table of contents

1 End of summer 2008: Jim 2.0.0.....	2
2 Spring 2008: Two plugins.....	2
3 January 2008: Jim 1.0.0.....	2
4 Fall & winter 2007: Jim's first release.....	2

## 1. End of summer 2008: Jim 2.0.0

- Internal restructure of Jim based on [OSGi](#) to replace the old dirty plugin system.
- Separation of JimGui and the core part (the GUI is now a plugin).
- The other two plugins (JimFileOrganizer and JimSearch) are adapted to the new plugin system.
- Only change for end users: An improved about dialog of JimGui now showing all version numbers of Jim, OSGi, and all plugins of Jim.

## 2. Spring 2008: Two plugins

- JimFileOrganizer is a plugin that helps to organize your images on file system level. This is done by format strings.
- JimSearch is a plugin that implements a basic search engine: In JimSearch tags can be connected with an AND and JimSearch finds every image that is tagged with all selected tags (directly or indirectly: if you search for a parent tag you will also find all images tagged with child tags of that tag).

## 3. January 2008: Jim 1.0.0

- Jim and Jim's GUI kept closely connected.
- New database technology: [Hibernate](#) made database handling much more easy. Since then for example one Image object knows the tags it is tagged with and a Tag knows it's Images and child tags and so on.
- Highly improved tagging technology: Tags can now be structured in a tree.
- The GUI knows when tags are added or removed by using a subject-observer-pattern. This means there are no more problems with refreshing the tag tree - it is automatically done for you!
- Plugin system

## 4. Fall & winter 2007: Jim's first release

- Jim and Jim's GUI were comparatively close connected.
- Database: [Derby](#), using the JDBC-Drivers to handle it.
- Basic tagging: Images could be tagged, but structuring tags in a tree was not supported.
- Problems with updating the GUI when tags were added or removed (most times a manual refresh was needed).