

# Coverage Module

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## Recent Development

For the [2.2.x](#) branch the coverage module has:

- fixed some show stopping reprojection bugs
- fixed some performance issues (used to burn memory, now it slightly sings it)

## Module Status

The coverage module is incomplete but may be used for light work. You are warned however.

The coverage api is proceeding on a branch and may be progress is visible based on the geoserver WCS branch. The uDig project is limping along based on what is in 2.2.x right now, but the result is only of limited utility, and they are exploring working with the OSSIM project.

The OSSIM project has binding as is interested in hooking in behind the new coverage API, giving everyone the best of both worlds (pure java, JAI, and straight C++ bindings).

If you have a chance to volunteer check out the coverage branch, I am sure simboss would love feedback from early adopters.

## Outstanding Issues

The following issues (bugs and suggestions) have been raised on the geotools coverage module:

**Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.**

Since the geotools coverage model uses the interfaces from geoapi I am listing them here for reference:

**Error rendering macro 'jiraissues' : Unable to determine if sort should be enabled.**

## History

The coverage API took a huge blow for the 2.1.x release where we replaced the CoordinateSystem class it was based on. It was dragged almost into usability by [Richard Gould](#) for the uDig 1.1. release. The API it was based on is from an OGC specification (called GridCoverageExchange), as much time was spent working on the parameters for this api as was put into using it.

✔ Don't use GridCoverageExchange - use the Format objects directly!

However the OGC stopped supporting it, and work is underway to upgrade to a more stable ISO specification (see [Coverage Implementation Central](#) for current status).