

Building Apache Gora Website HOW_TO

What you need

Apache Forrest

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Publishing framework used for Apache Gora Website maintenance.

How to modify the docs

The site docs at Gora are in two places, release independent docs are [here 1](#), and per-release docs are at [here 2](#).

Our reasoning behind this is that, the per-release docs contain the release-specific information (like Javadoc, tutorial, etc), we believe that this documentation is distributed in the tar ball, and everyone should be able to build and use the docs locally. Release independent docs contain the regular site information such as mailing lists, issue tracker, etc.

So, with that said, the release-independent docs are deployed at the root directory (<http://gora.apache.org>), and every release doc should go under it's release number (like <http://gora.apache.org/docs/r0.1-incubating/>), and finally, docs for trunk go under <http://i.a.o/gora/docs/current/>. Make any changes you see fit then from either of the two directories containing the forrest.properties file execute

```
$ export FORREST_HOME=/path/to/forrest/directory
$ export PATH=$PATH:$FORREST_HOME/bin

$forrest
```

This will build the site docs. Now we'll move on to reviewing the changes, then committing them.

Reviewing changes to the documentation and Gora site

From the same directory which you built the site from execute:

```
$ forrest run
```

This will start Forrest's built-in Jetty web server. Once it has started, point your browser at <http://localhost:8888/>, which will show your website, rendered on demand as each link is followed.

(Alternatively, if you wish to run Forrest from within an existing servlet container, type `forrest webapp` to build an open webapp in `build/webapp/`). You can now edit the XML content in `build/webapp/content/xdocs` and see the changes immediately in the browser.

After this, type:

```
$ forrest validate
```

to ensure that things are in order.

If you aren't a committer for Gora, you now need to get in touch with the development team, or alternatively open a Jira ticket and submit a patch.. You'll specifically want to learn how to create a patch and proposing your work. If you are a committer, it's time to deploy the site.

How to deploy the site

When you are finally happy with your changes in the case of the docs at [1](#), copy all of the files from the documentation `author/build/site` directory to `/publish` and commit both of them from the top of the `/site` directory directly to SVN.

In the case of the docs at [2](#), you need to copy them from the `/build/site` directory to the `/publish` directory in [1](#). You will then be able to commit from the top of the `/site` directory at [1](#) directly to SVN.

The modifications should be visible on the website within a few minutes.

[1 https://svn.apache.org/repos/asf/gora/site/](https://svn.apache.org/repos/asf/gora/site/)

[2 https://svn.apache.org/repos/asf/gora/trunk/docs](https://svn.apache.org/repos/asf/gora/trunk/docs)