ECS Development Documentation

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Contents

How to build Bootstrap 4

Prerequisites

1. Clone bootstrap from gogs and checkout ecs_bootstrap-v4.0.0-alpha.5 branch. Add Github as remote.

   ```
   git clone ssh://git@gogs.omoikane.ep3.at:10022/ecs/ecs-bootstrap.git
   cd ecs-bootstrap git checkout ecs_bootstrap git remote add github
   https://github.com/twbs/bootstrap.git
   ```

2. Install Node, NPM with legacy support and Ruby with headers.

   ```
   sudo apt-get install nodejs nodejs-legacy npm ruby ruby-dev
   ```

3. Install Grunt and Bundler.

   ```
   sudo npm install -g grunt-cli sudo gem install bundler
   ```

4. Install dependencies inside the bootstrap directory.

   ```
   npm install --no-optional bundle install
   ```

If `bundle install` fails, do a `bundle update`, then try again.

Building Bootstrap

Once everything is ready, you can run the following tasks inside the *ecs-bootstrap* directory:

- `grunt` Run grunt to run tests locally and compile the CSS and JavaScript into /dist. Uses Sass, Autoprefixer, and UglifyJS.

- `grunt dist` grunt dist creates the /dist directory with compiled files. Uses Sass, Autoprefixer, and UglifyJS.

- `grunt test` Runs scss-lint, ESLint and QUnit tests headlessly in PhantomJS (used for CI).

- `grunt docs` Builds and tests CSS, JavaScript, and other assets which are used when running the documentation locally via jekyll serve.

- `grunt watch` This is a convenience method for watching just Sass files and automatically building them whenever you save.

`grunt dist` builds all necessary files and puts them in the *dist* directory.

Local documentation

Running the documentation locally requires the use of Jekyll.

1. From the root bootstrap directory, run `bundle exec jekyll serve` in the command line.

2. Open http://localhost:9001 in your browser, and voilà.

Apply local patches to a new version of bootstrap

1. Create a new branch starting with the unmodified new bootstrap version.

   ```
   git branch ecs_bootstrap-$new_version $new_version  git checkout
   ecs_bootstrap-$new_version
   ```

2. Pull the local changes from the old version and resolve conflicts if any.

   ```
   git cherry-pick $old_version..ecs_bootstrap-$old_version
   ```

3. Push the branch.

   ```
   git push -u origin ecs_bootstrap-$new_version
   ```

Done!