

All of our npm dependencies are locked via the `yarn.lock` file for the following reasons:

- our project has lots of dependencies which update at unpredictable times, so it's important that we update them explicitly once in a while rather than implicitly when any of us runs `yarn install`
- locked dependencies allow us to reuse yarn cache on CircleCI, significantly speeding up our builds (by 5 minutes or more)
- locked dependencies allow us to detect when `node_modules` folder is out of date after a branch switch which allows us to build the project with the correct dependencies every time

Before changing a dependency, do the following:

- make sure you are in sync with `upstream/master`: `git fetch upstream && git rebase upstream/master`
- ensure that your `node_modules` directory is not stale by running `yarn install`

To add a new dependency do the following: `yarn add <packagename> --dev`

To update an existing dependency do the following: run `yarn upgrade <packagename>@<version|latest> -dev` or `yarn upgrade <packagename> --dev` to update to the latest version that matches version constraint in `package.json`

To Remove an existing dependency do the following: run `yarn remove <packagename>`

Once you've changed the dependency, commit the changes to `package.json` & `yarn.lock`, and you are done.