

Encryption

Based on <https://github.com/circleci/encrypted-files>

In the CircleCI web UI, we have a secret variable called **KEY** <https://circleci.com/gh/angular/angular/edit#env-vars> which is only exposed to non-fork builds (see “Pass secrets to builds from forked pull requests” under <https://circleci.com/gh/angular/angular/edit#advanced-settings>)

We use this as a symmetric AES encryption key to encrypt tokens like a GitHub token that enables publishing snapshots.

To create the `github_token` file, we take this approach: - Find the `angular-builds:token` in the internal pw database - Go inside the CircleCI default docker image so you use the same version of openssl as we will at runtime: **`docker run --rm -it circleci/node:10.12 - echo “https://[token]:@github.com” > credentials - openssl aes-256-cbc -e -in credentials -out .circleci/github_token -k $KEY`** - If needed, base64-encode the result so you can copy-paste it out of docker: **`base64 github_token`**