

Croner-I Release Tag Guide V.1

Introduction

This covers how release tags are created through the terminal (command-line). This is done so that it can be pushed to jenkins where it will be deployed to various environment such as staging and production.

Creating a release tag

Before creating a release tag, you need to know what the name of the current release tag is. The current release tag will be incremented by 1 depending on if the next release is a normal (major) or a hotfix (minor) release.

The syntax is “<version>.<major>.<minor>”

Major release tags (Normal)

A major release (normal) is when a one or more new features are added. The “major” number will be incremented for the next release. For example;

Current release: cchonline-v7.4.0

Next release: cchonline-v7.**5**.0

Minor release tags (hotfix)

A minor release (hotfix) is when a fix is applied to the current release. These usually contain small fixes and are done as soon as possible due to urgency. The “minor” number will be incremented for the next release. For example;

Current release: cchonline-v7.4.0

Next release: cchonline-v7.4.**1**

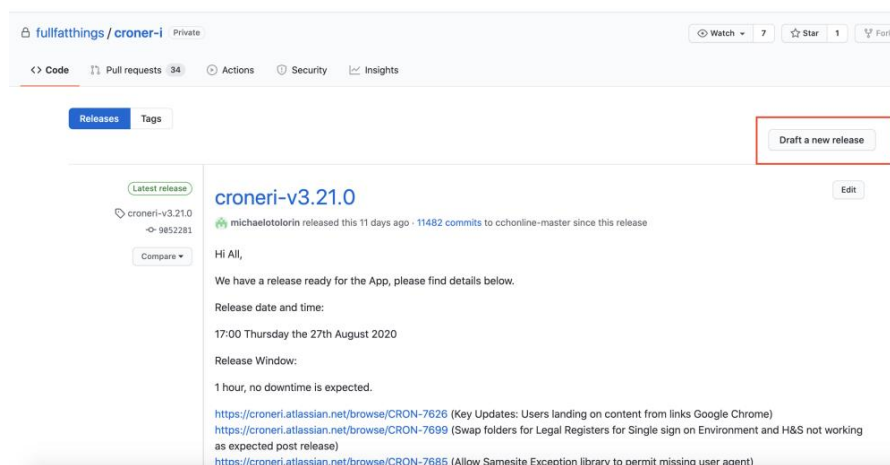
Steps for creating the release tag

Now that we know how to name release tags, we go ahead and create it via the terminal.

- On github;
 - Ensure that all feature branches that will be release are merged into its master branch.
 - **NOTE:** The standard master branch name is called “master” but some project repositories have a different name as the master branch. For example, “cchonline-master”. It is best to check what the name of the repo master branch is.

For this example, we will use “cchonline-master” as our project/repo master branch

- On your terminal;
 - Go to your local project directory
 - Ensure you are on the "cchonline-master" branch. Run;
 - `git checkout cchonline-master`
 - Ensure your local "cchonline-master" branch is up to date. Run;
 - `git pull origin cchonline-master`
 - Create a tag from "cchonline-master". Run;
 - `git tag -a cchonline-v7.5.0 -m "cchonline-v7.5.0 release tag"`
 - Push the created tag. Run;
 - `git push origin cchonline-v7.5.0`
- Go to the repo (e.g <https://github.com/fullfatthings/croner-i/releases>) and create the release notes
 - Ensure the correct release tag, title and notes are selected/entered
 - You can first “save draft” and then revisit to “publish release” just before deployment to prod.



The screenshot shows the GitHub 'New Release' page for the repository 'fulfatthings/croner-i'. The browser's address bar shows 'github.com/fulfatthings/croner-i/releases/new'. The page includes a 'Tag version' input field, a 'Target' dropdown menu set to 'cchonline-master', and a 'Release title' input field. Below these is a 'Describe this release' text area. There are sections for attaching files and binaries. At the bottom, there is a checkbox for 'This is a pre-release' and two buttons: 'Publish release' (highlighted with a red box) and 'Save draft'.

After this, jenkins takes over on deployment to the environment.

Steps for creating a release tag with Cherry-picking

TODO