## The Unreasonable Efficiency of Craft and git

2024-09-12 · Moritz L'Hoest

### Config or Content?

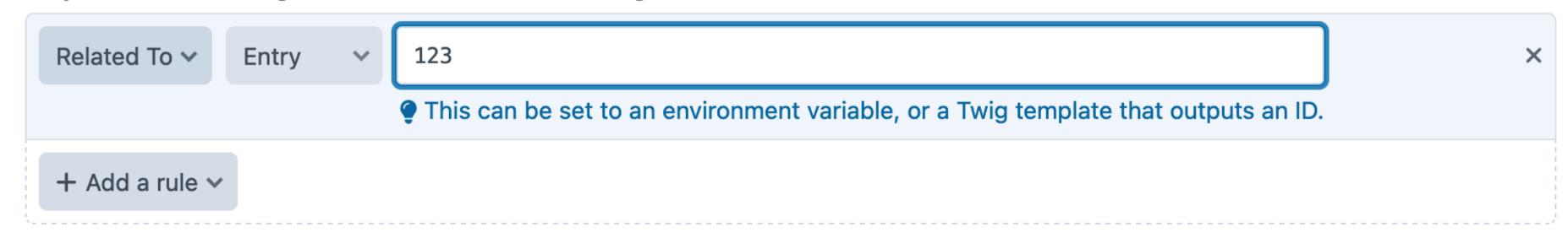
## Config Staging Production Dev Content

Config	Content
Kept in git	Kept in the production database and file storage
Fields, Entry Types, Sections Section and Entry Type handles and UIDs	Entries Entry data / field values Section and Entry type IDs
Sites	Site content



#### **Entry Condition**

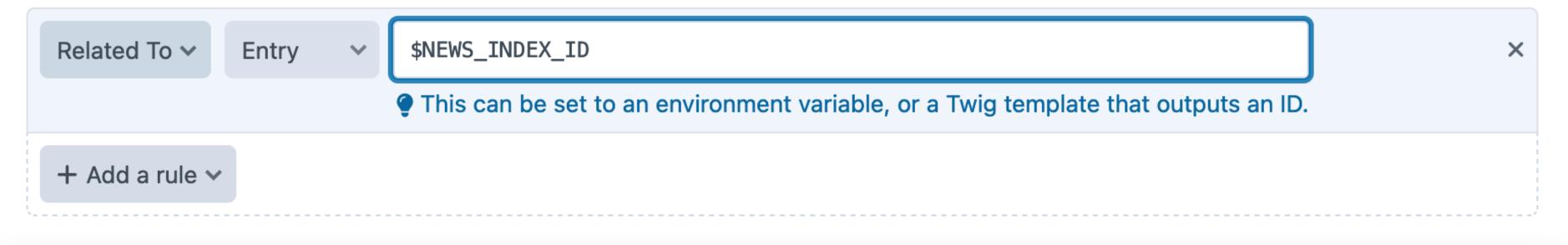
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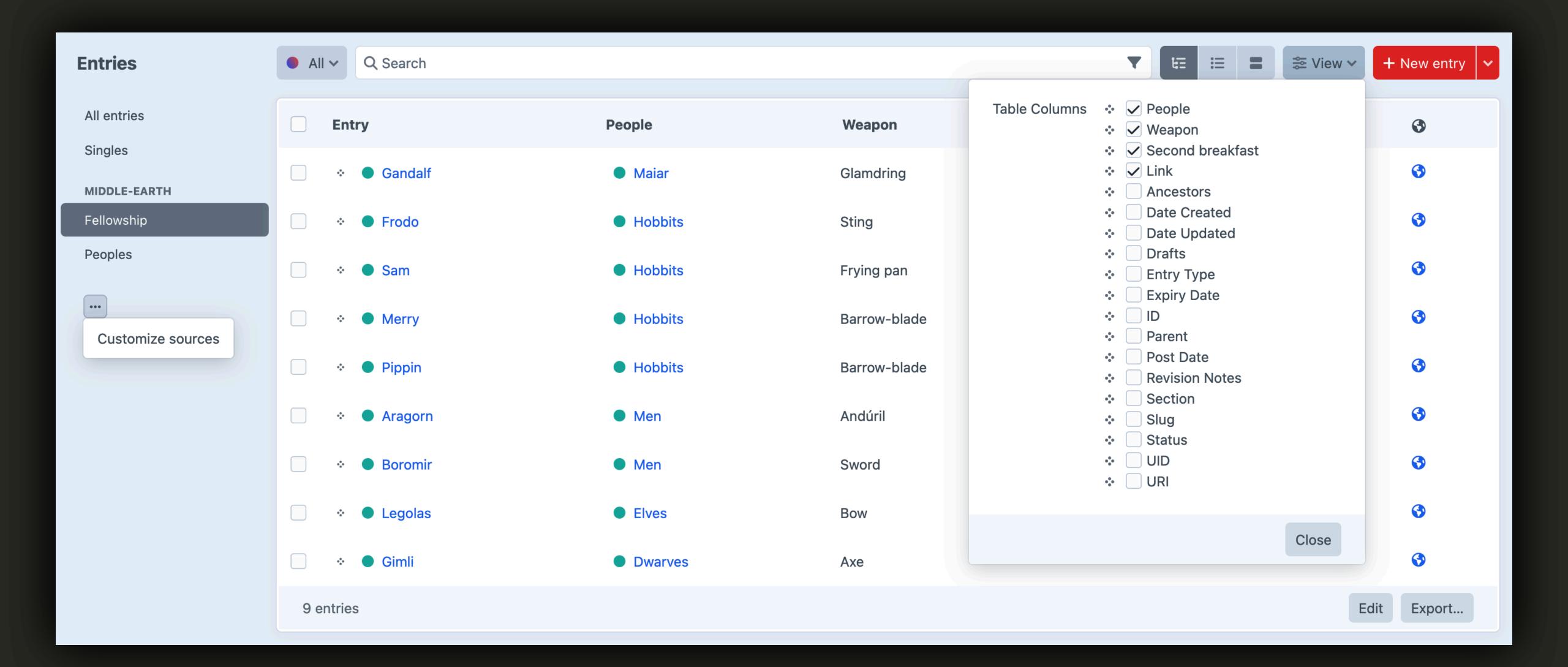




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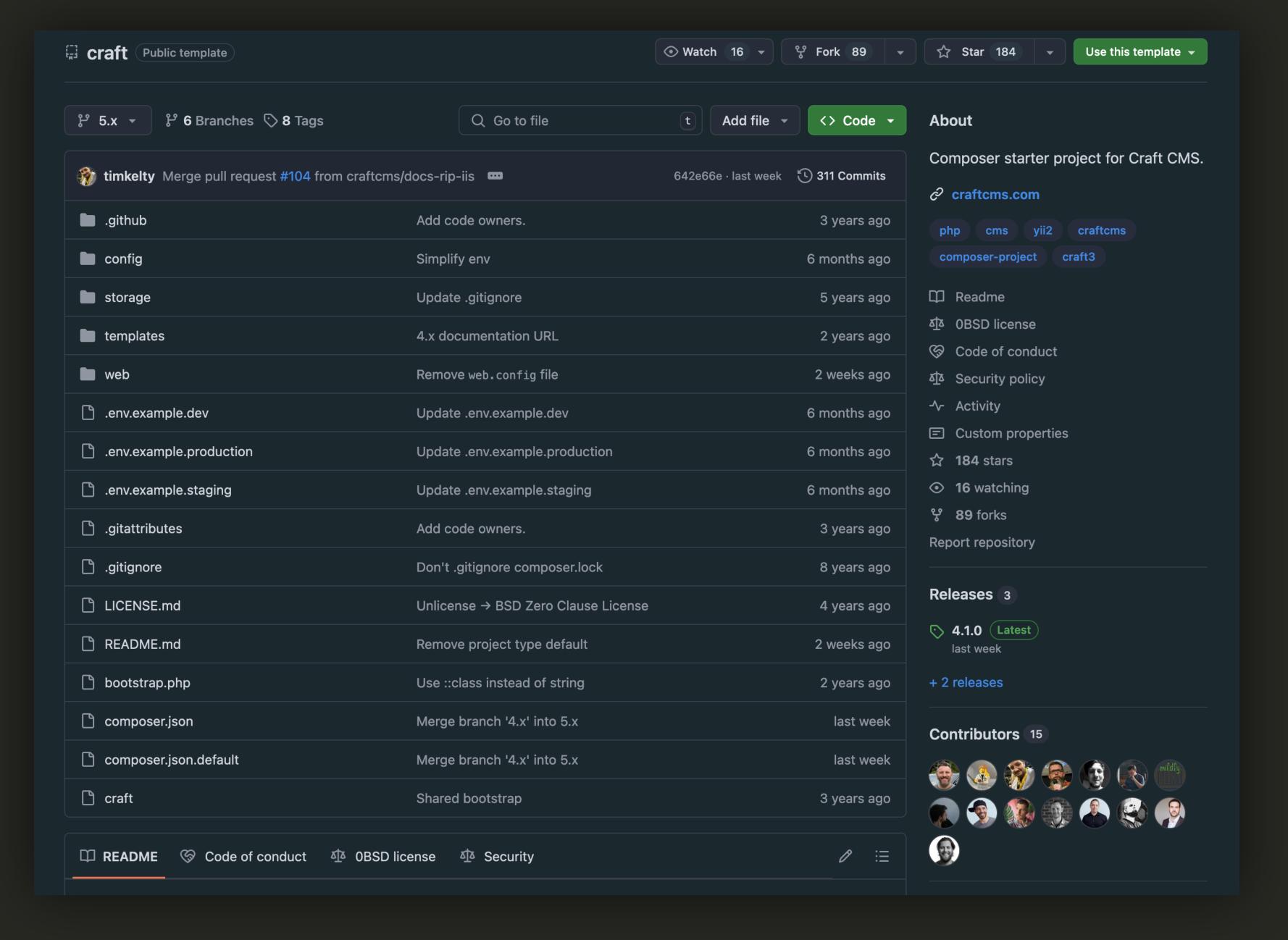




#### The Source of Truth

# The repository contains the truth, the whole truth, and nothing but the truth.

Ignored folders and files	Source(s) of truth
vendor/	composer.json, composer.lock
node_modules/	package.json,package-lock.json
web/dist/(Compiled assets)	src/css/, src/js/
web/cms-uploads/(Asset volumes)	Production environment
storage/logs,storage/runtime,web/cpresources	Runtime data
.DS_Store,.cache,Thumbs.db	None



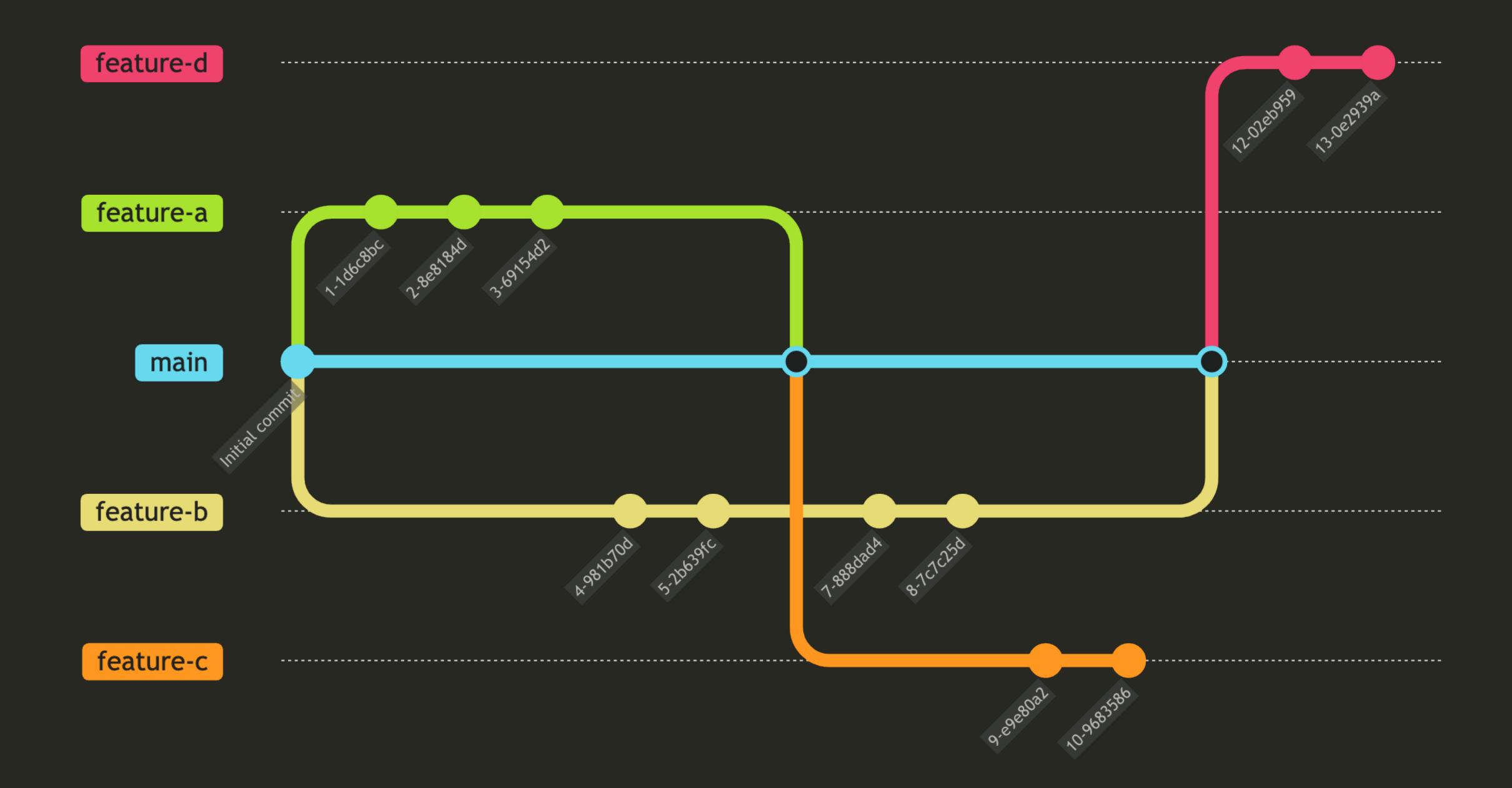
https://github.com/craftcms/craft

github.com/craftcms/craft	github.com/craftcms/cms
Starter project	Craft source code
Your code	Someone else's code
Can be customized to fit your needs	Can't (*) and shouldn't be modified
Goes into your git repository	Doesn't go into your git repository

### The Declarative Config

Project Config	Migration
Represents a state	Represents a state change
No concept of time	Concept of time
Can be applied	Can be executed and reverted
Depends on no previous state, can revert to any previous state without problems	Depends on specific previous state to migrate from, migrations need to be executed in order
No extra work to support repeated state changes	Extra work to support down migration

#### The git Workflow



php craft db/backup -- zip php craft clear-caches/all git checkout origin/feature-xyz composer install php craft up npm ci npm run build

#### Where's the content, Lebowski?

#### Small features, small branches

### Rebase frequently

#### Multiple dependent branches



### Watch out for updates

## git add --patch git add --interactive git diff --cached

php craft project-config/touch

#### Thank You!

Slides github.com/MoritzLost/2024-dot-one-amsterdam

E-mail m@moritz.contact

GitHub github.com/MoritzLost

Discord MoritzLost

Stack Exchange MoritzLost