## The Unreasonable Efficiency of Craft and git

2024-09-12 · Moritz L'Hoest

## Config or Content?



# Dev Staging Production

## Config Staging Production Dev Content

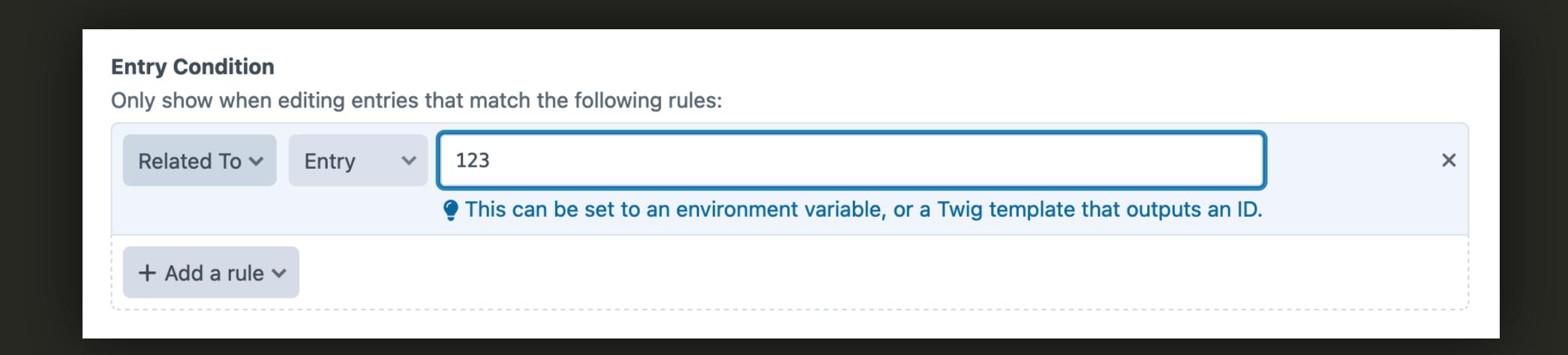
#### Config

#### Content

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Fields, Entry Types, Sections Section and Entry Type handles and UIDs	Entries Entry data / field values Section and Entry type IDs

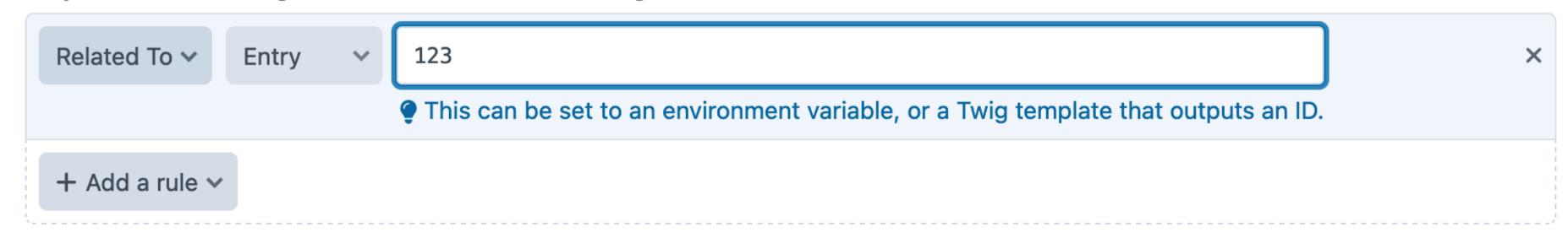
Config	Content
Kept in git	Kept in the production database and file storage
Fields, Entry Types, Sections Section and Entry Type handles and UIDs	Entries Entry data / field values Section and Entry type IDs
Sites	Site content





#### **Entry Condition**

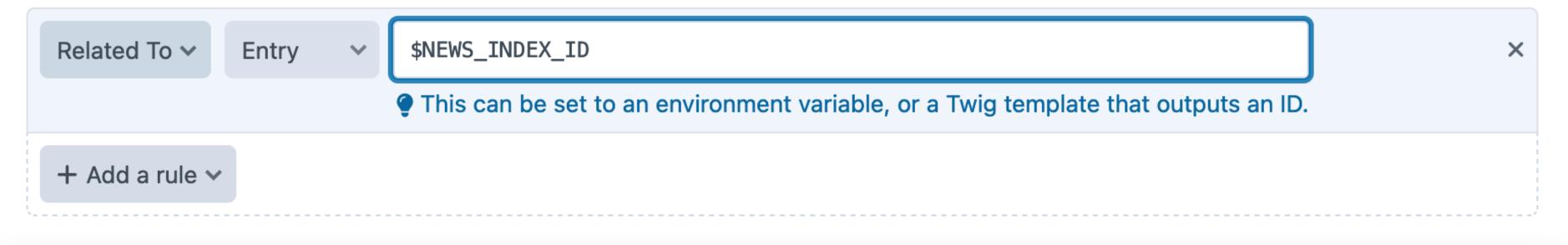
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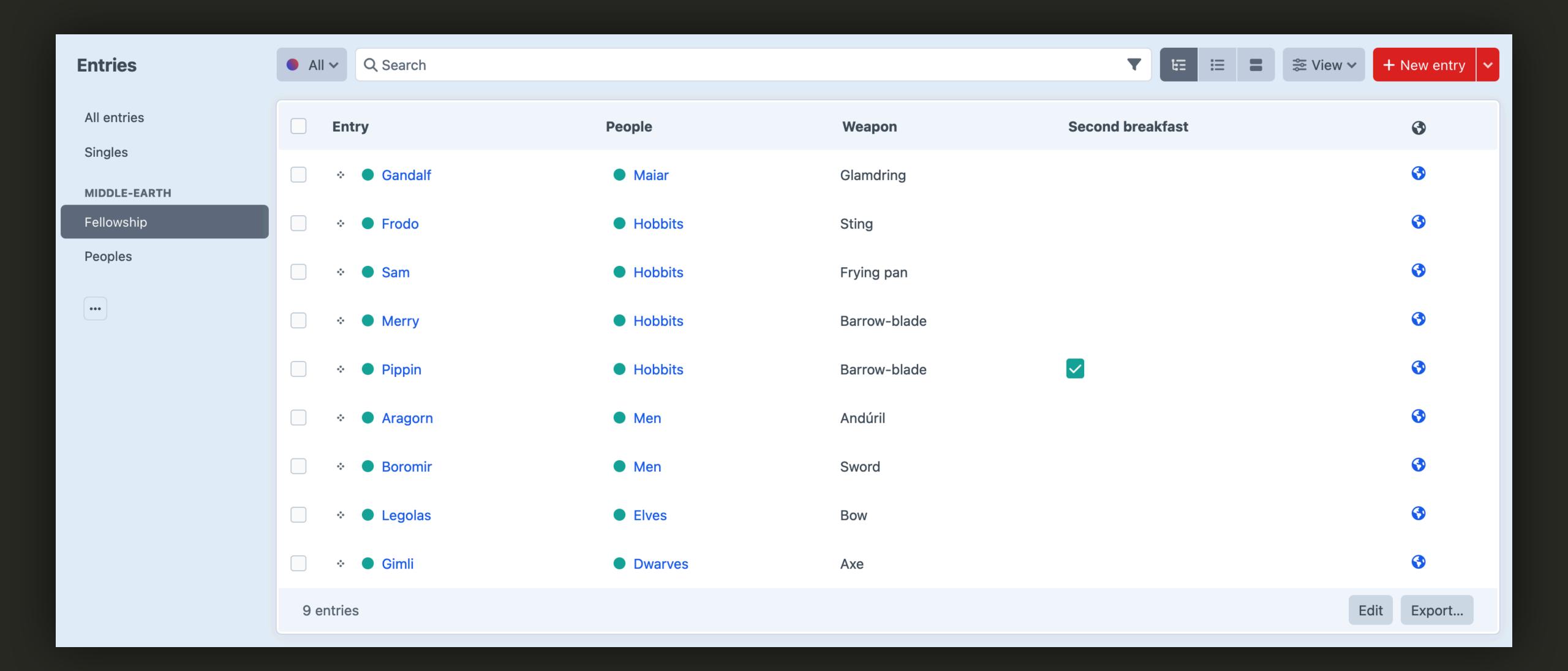


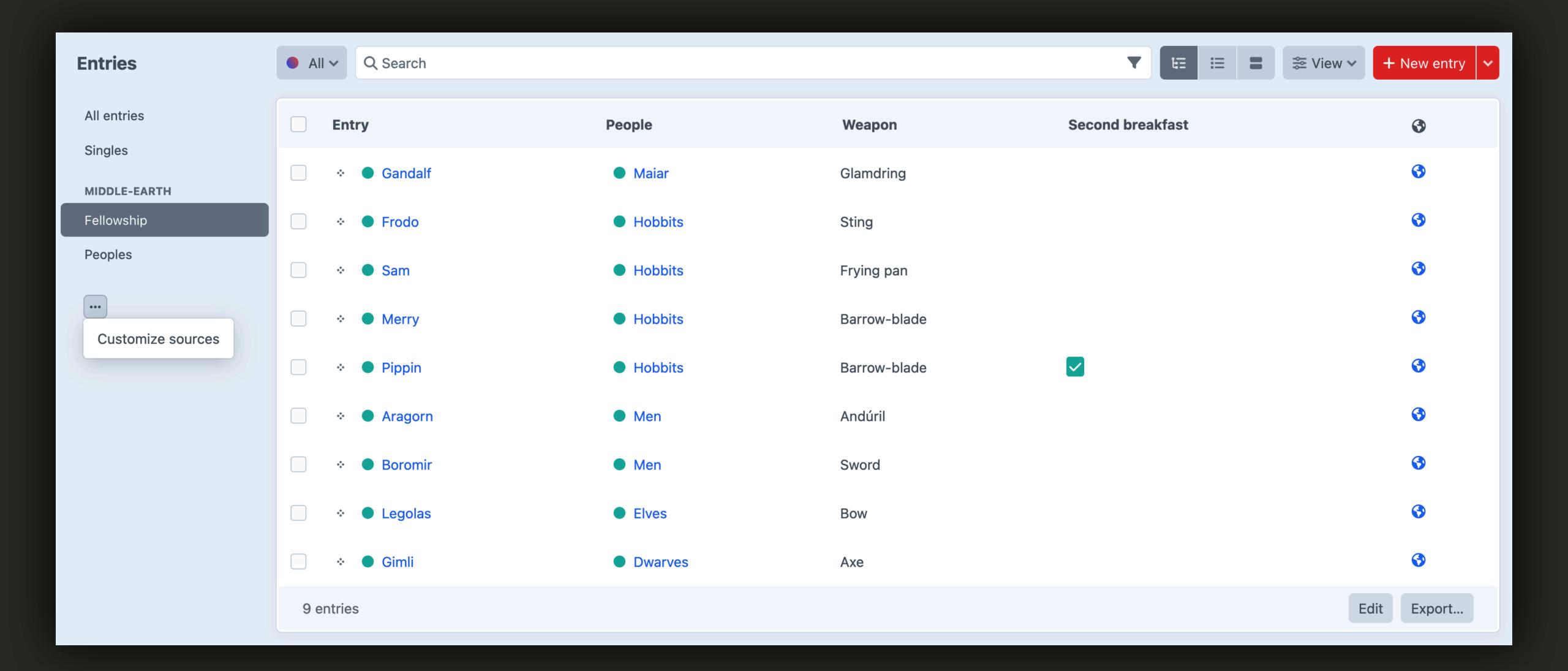


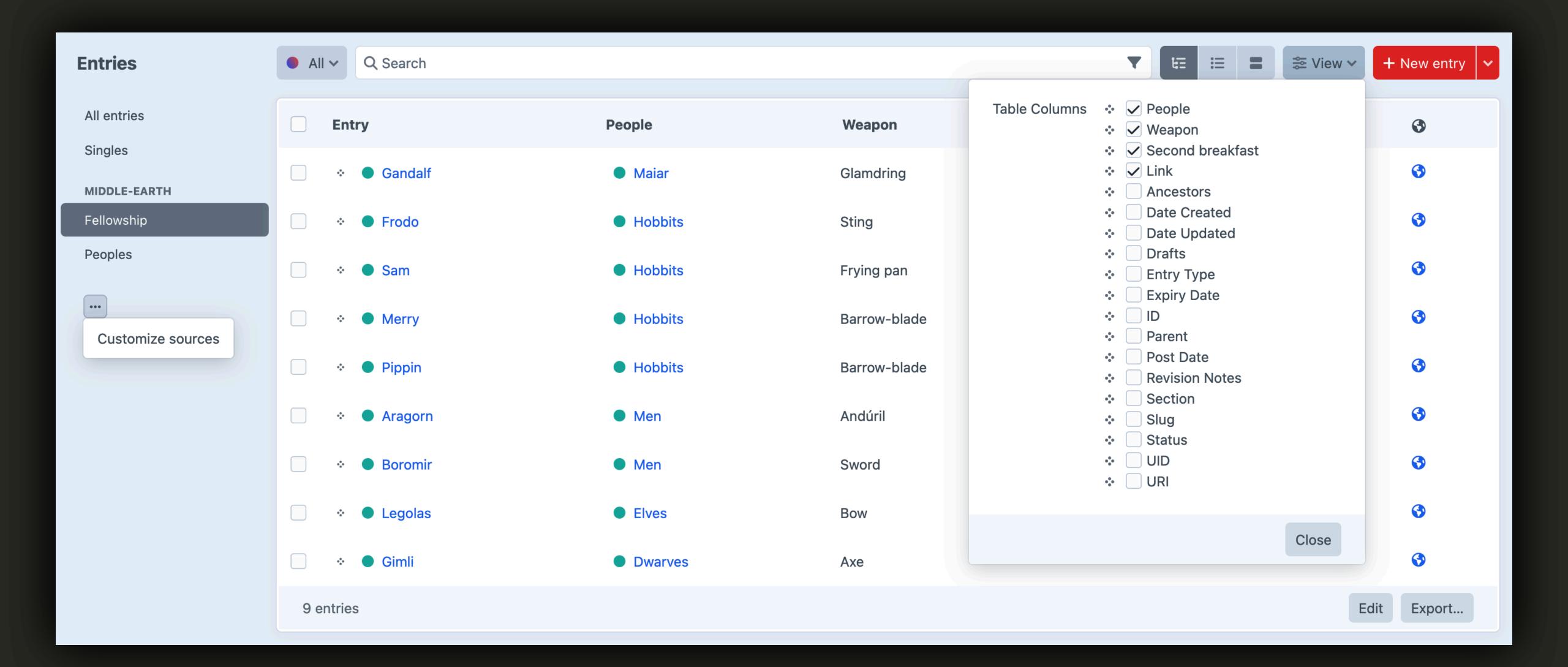
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### The Source of Truth

#### Ignored folders and files

#### Source(s) of truth

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vendor/	composer.json,composer.lock

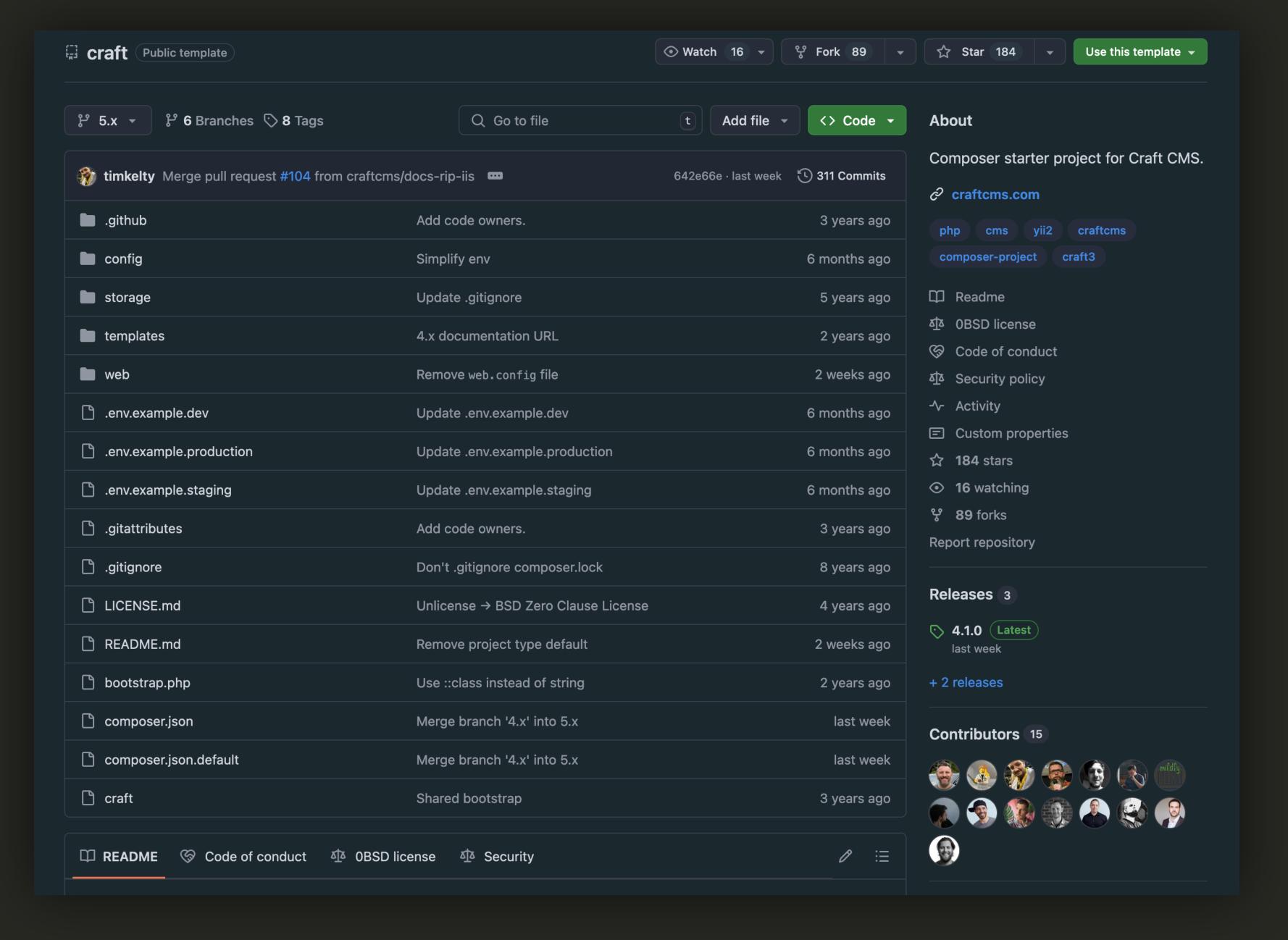
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web/dist/(Compiled assets)	src/css/, src/js/
web/cms-uploads/(Asset volumes)	Production environment

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node_modules/	package.json,package-lock.json
<pre>web/dist/(Compiled assets)</pre>	src/css/, src/js/
web/cms-uploads/(Asset volumes)	Production environment
storage/logs, storage/runtime, web/cpresources	Runtime data

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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

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Represents a state	Represents a state change

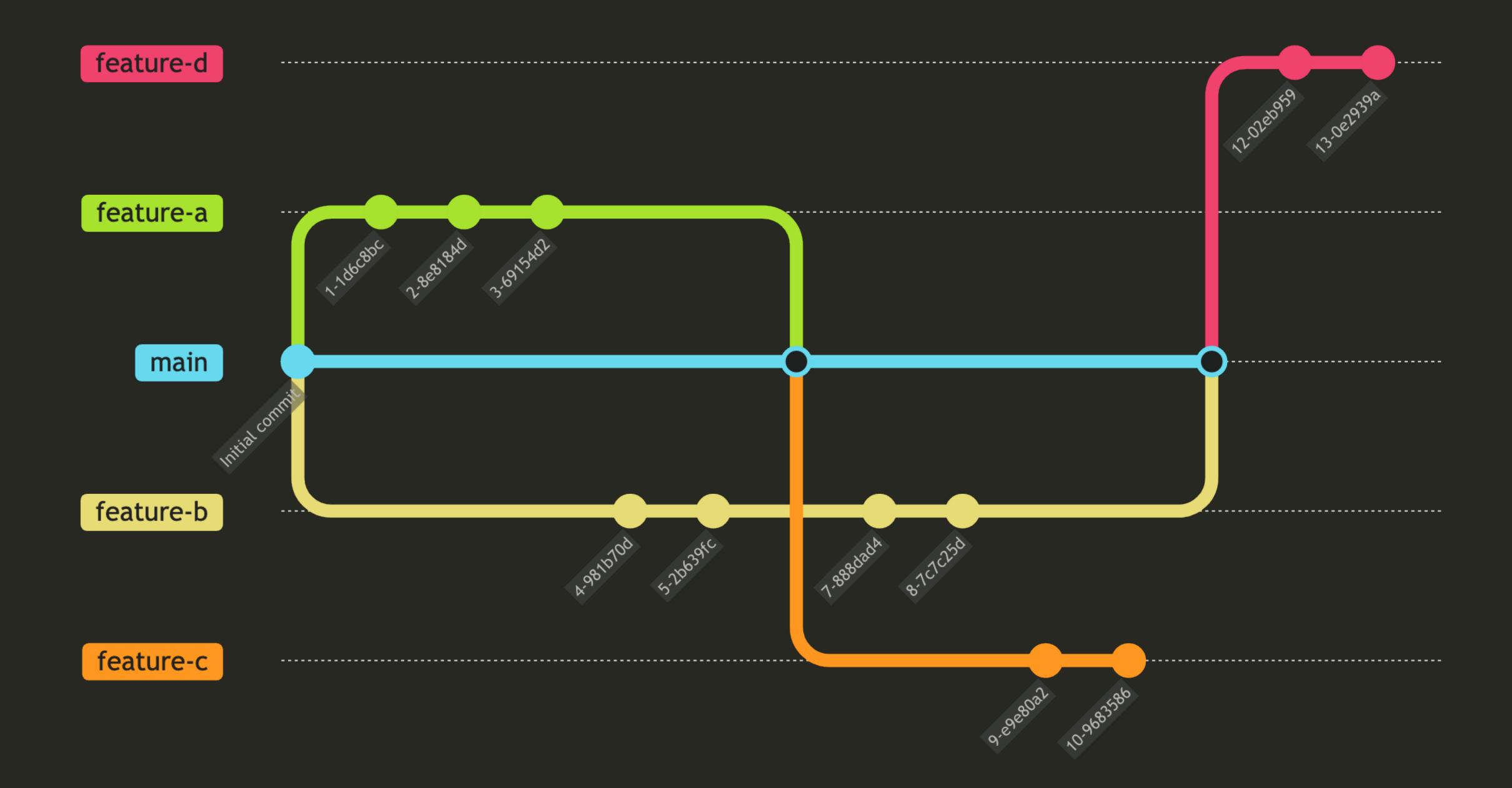
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No extra work to support repeated state changes	Extra work to support down migration

### 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!

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