Creating a content pipeline with Antora

Using AsciiDoc content for the website and other downstream processes

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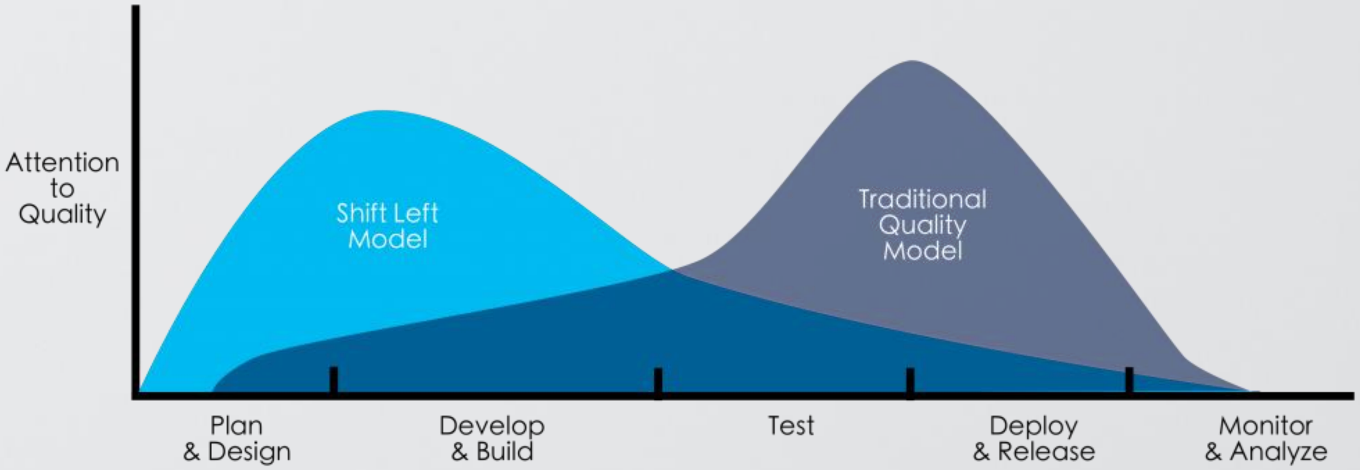
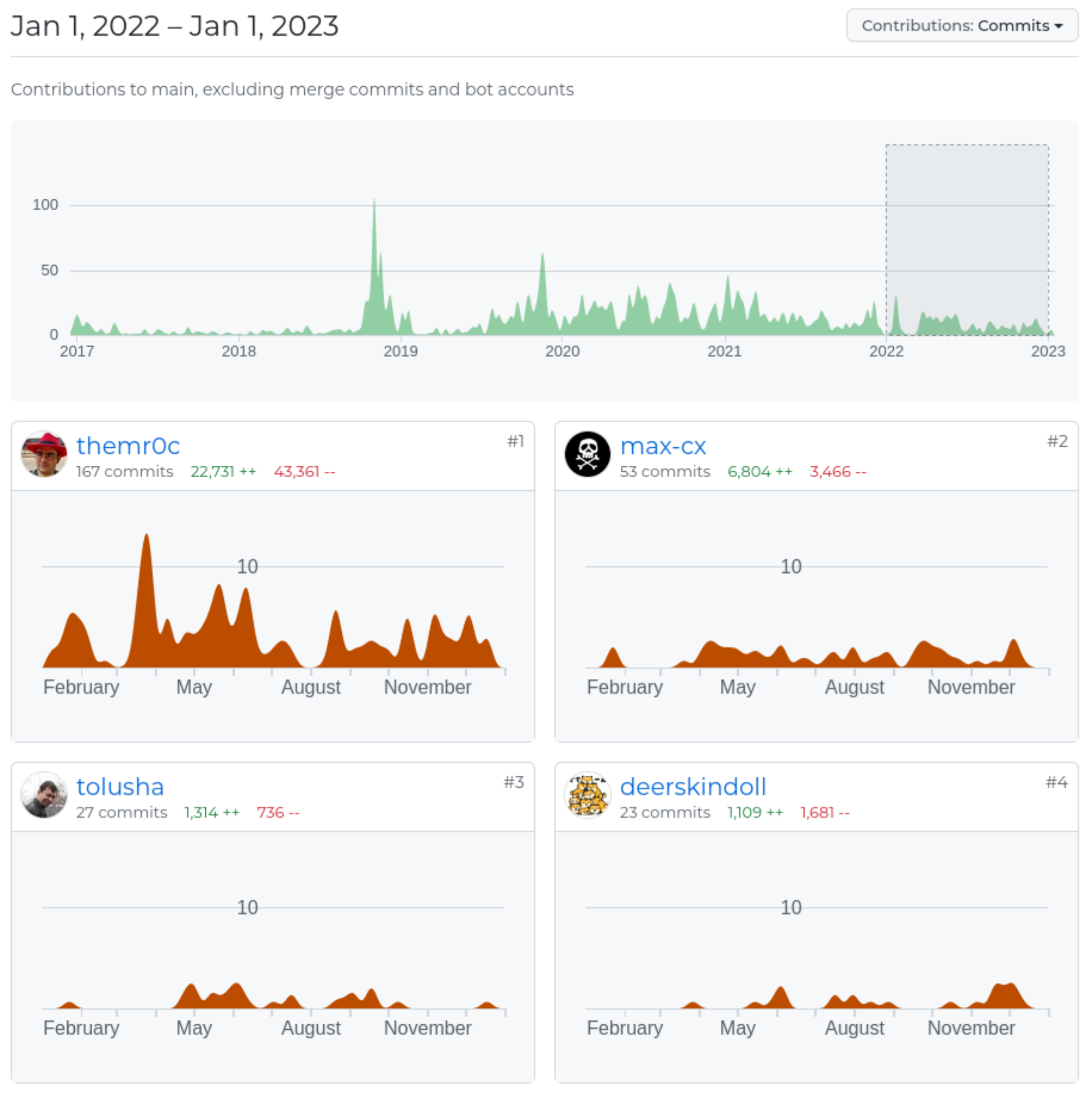
Shift Left Quality Model



http://mobilefirstcloudfirst.net/2017/01/2017-test-automation-not-optional-building-mobile-apps/



Jan 1, 2022 – Jan 1, 2023

Contributions: Commits ▾

Contributions to main, excluding merge commits and bot accounts

themr0c #1
167 commits 22,731 ++ 43,361 --

max-cx #2
53 commits 6,804 ++ 3,466 --

tolusha #3
27 commits 1,314 ++ 736 --

deerskindoll #4
23 commits 1,109 ++ 1,681 --

https://github.com/eclipse-che/che-docs/pulse/monthly

No matter the format, documentation is important

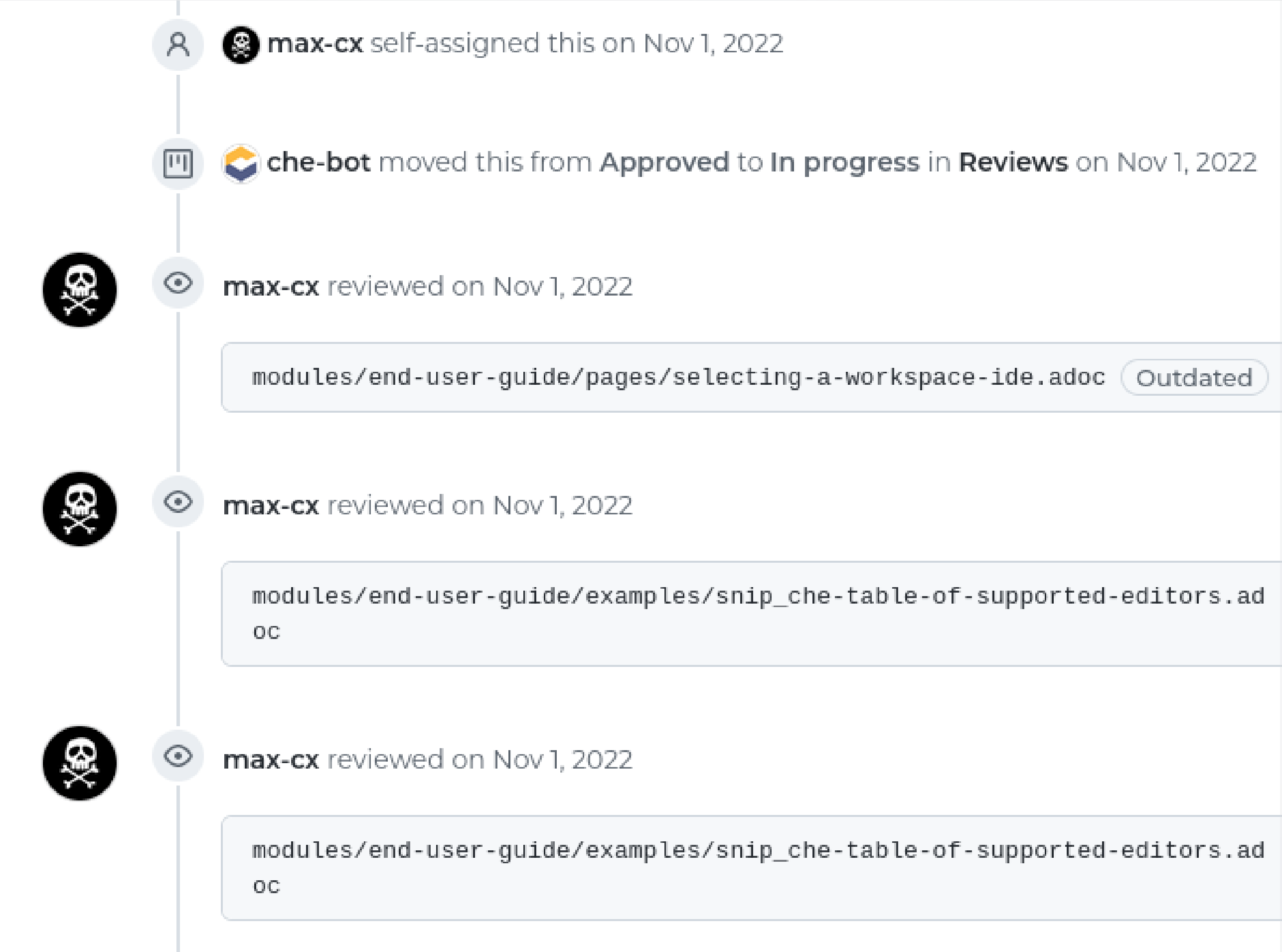
> “At work, developers consider documentation trustworthy when it is up-to-date (e.g., looking at time-stamps) and has a high number of upvotes from others. Open Source projects use READMEs, contribution guidelines, and GitHub Issues, to elevate the quality of any project, and to share information that makes them more attractive to new contributors.”

https://octoverse.github.com/2021/creating-documentation/

“Sarah [Drasner] would encourage us to ‘use every part of the buffalo’ (don't let work go to waste) and also to ‘feed two birds with one scone’ (make one piece of work accomplish two goals).

At some point she mashed this up into ‘**scratch multiple buffalo with one stick**’, and that phrase lives rent-free in my head ever since. (And — now that you've heard it — probably yours, too. You're welcome.)”

Source: https://www.jason.af/effective-devrel-buffalo-stick/



max-cx self-assigned this on Nov 1, 2022

che-bot moved this from **Approved** to **In progress** in **Reviews** on Nov 1, 2022

max-cx reviewed on Nov 1, 2022

`modules/end-user-guide/pages/selecting-a-workspace-ide.adoc` Outdated

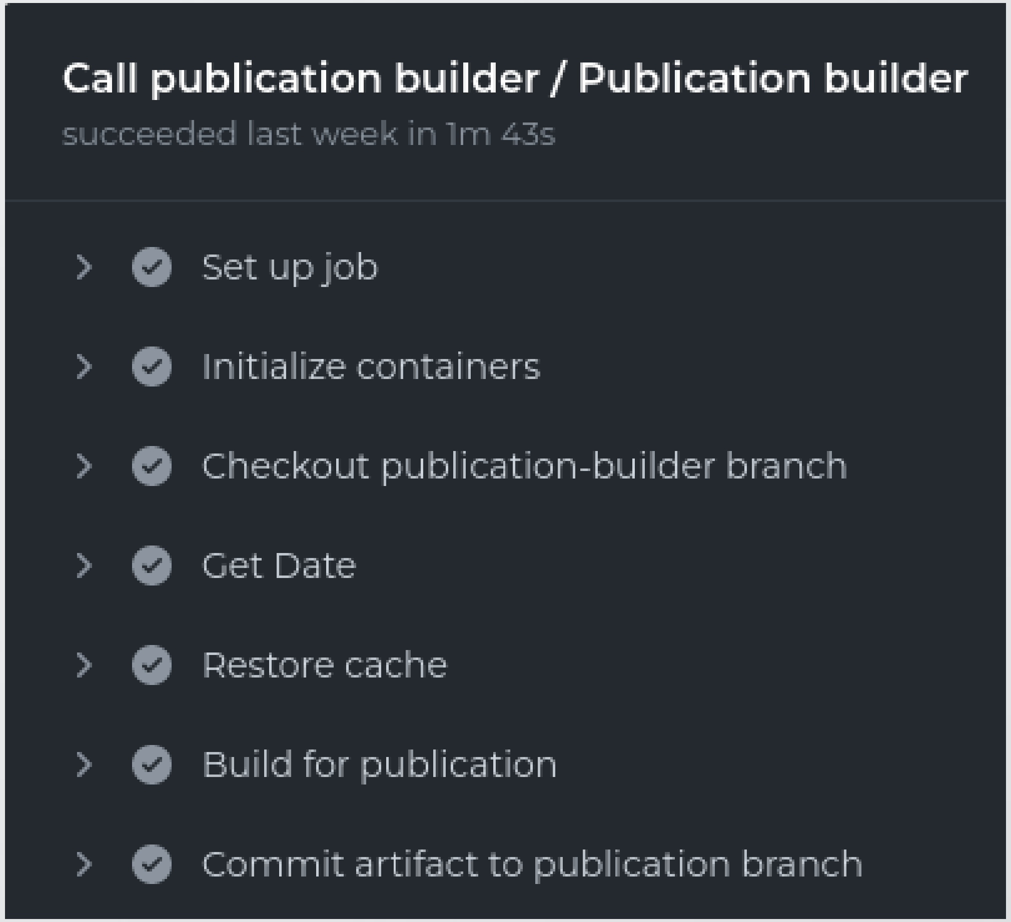
max-cx reviewed on Nov 1, 2022

`modules/end-user-guide/examples/snip_che-table-of-supported-editors.adoc`

max-cx reviewed on Nov 1, 2022

`modules/end-user-guide/examples/snip_che-table-of-supported-editors.adoc`

Source: https://github.com/eclipse-che/che-docs/pulls



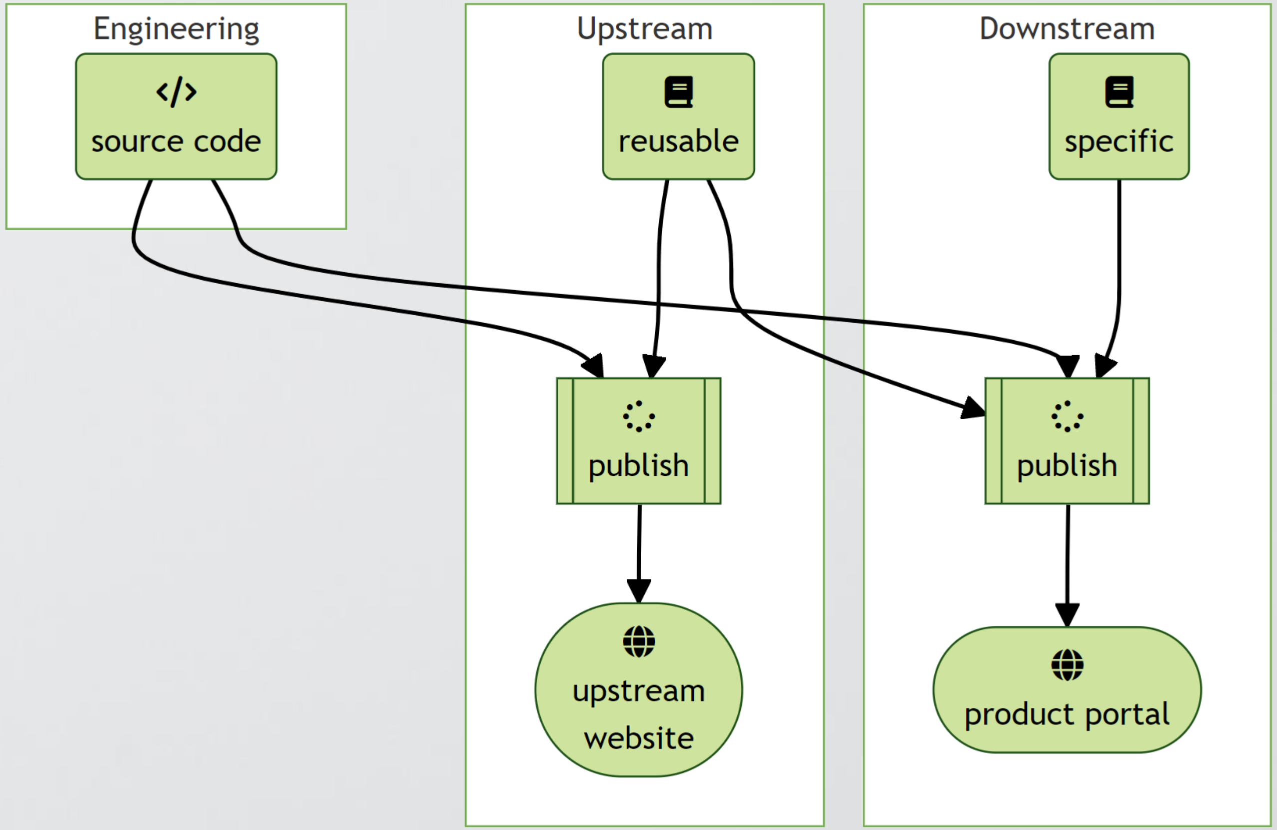
Call publication builder / Publication builder

succeeded last week in 1m 43s

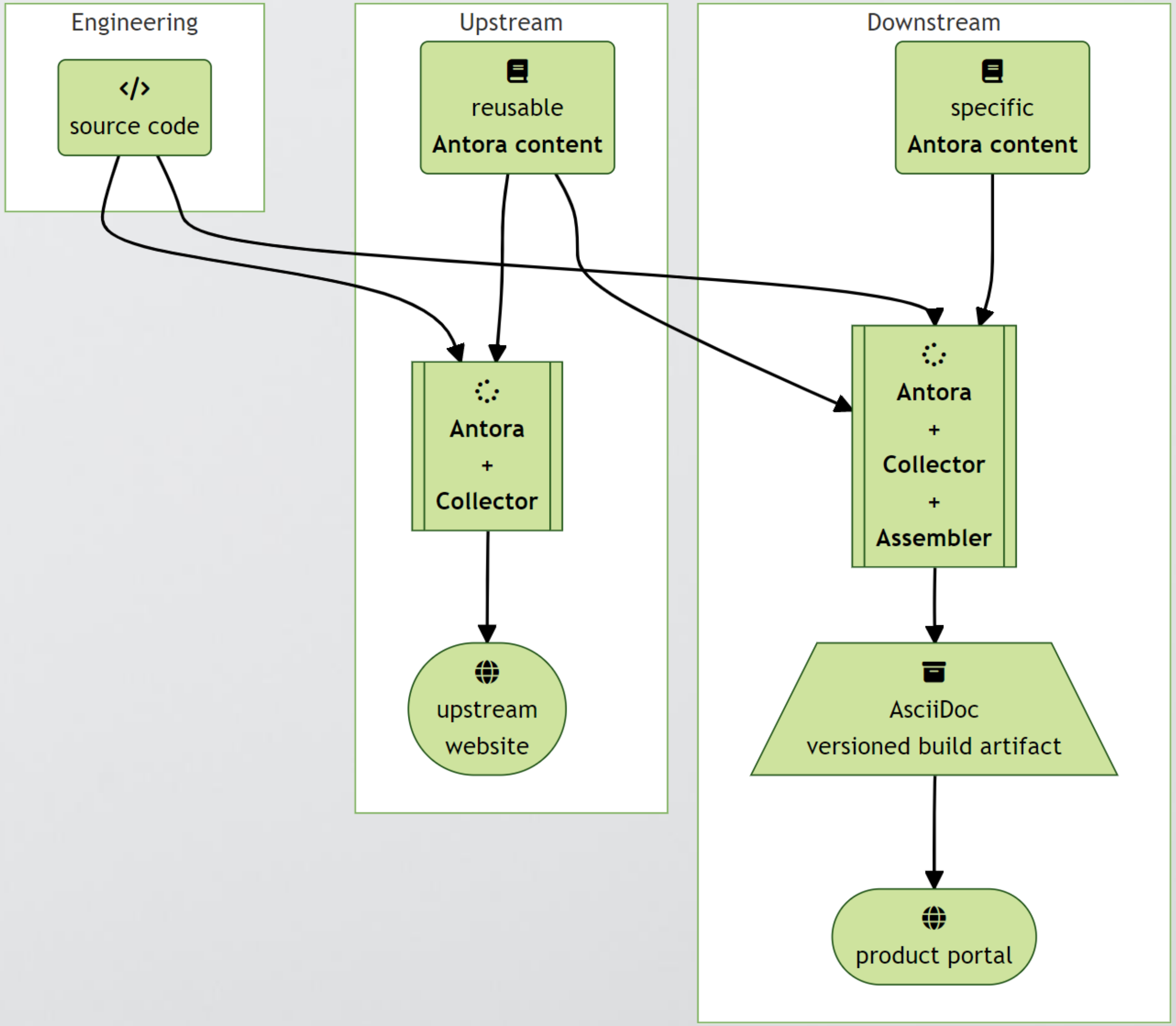
- › ✓ Set up job
- › ✓ Initialize containers
- › ✓ Checkout publication-builder branch
- › ✓ Get Date
- › ✓ Restore cache
- › ✓ Build for publication
- › ✓ Commit artifact to publication branch

Source: https://github.com/eclipse-che/che-docs/actions/workflows/build-and-validate-on-pr.yaml

Project Content Pipeline



Antora Content Pipeline



Antora Playbook

Tell it where to find the content, the UI theme and where to store the output.

```
content:
  sources:
    - url: https://github.com/eclipse-che/che-docs
      branches:
        - 7.58.x
        - che-7-redirections
        - main
      edit_url: "https://github.com/eclipse-che/che-docs/...
# ...
ui:
  bundle:
    url: https://gitlab.com/antora/antora-ui-default/...
    snapshot: true
  supplemental_files: ./supplemental-ui
  output_dir: docs/_
# ...
```

Antora Collector

Generate content using your tools:
Antora is in charge!

```
ext:
  collector:
  - run:
        command: ./tools/validate_language_changes.sh
  - run:
        command: ./tools/checluster_docs_gen.sh
    scan:
        base: modules/administration-guide/examples/
        dir: build/collector/checluster-properties
        files: checluster-properties.adoc
```

https://gitlab.com/antora/antora-collector-extension

Antora Assembler

Create one monolithic AsciiDoc per module:
Portable, no Antora specifics!

```
root_level: 1
component_versions: '*'
section_merge_strategy: fuse
build:
  command: >
    asciidoctor-pdf
    --attribute toclevels=5
    --trace --sourcemap
  keep_aggregate_source: true
```

https://gitlab.com/antora/antora-assembler

Antora single-sourcing

Separate content authoring and publication

Built to handle content variations:

- AsciiDoc attributes support
- Examples, images, partials
- Distributed components
- Antora Collector harvests content
- at build time

Antora Assembler outputs a monolithic AsciiDoc hiding away Antora structure

Authoring vs. publication

Playbook, components, and UI in one or
more Git repositories and branches

```
content:
  sources:
    # Content in the upstream repository:
    - url: https://github.com/eclipse-che/che-docs
      branches: 7.56.x
    # Downstream content in current repository:
    - url: ./
      branches: HEAD
ui:
  bundle:
        url: https://gitlab.com/antora/...
```

https://docs.antora.org/antora/latest/playbook/set-up-playbook/

AsciiDoc attributes

AsciiDoc attributes in a component or a playbook enable inline content variation

```
asciidoc:
  attributes:
    orch-cli: kubectl
    prod: Eclipse Che
    project-context: che
```

```
asciidoc:
  attributes:
    orch-cli: oc
    prod: Red Hat OpenShift Dev Spaces
    project-context: devspaces
```

https://docs.antora.org/antora/latest/component-attributes/
https://docs.antora.org/antora/latest/playbook/asciidoc-attributes/

Antora file and directory set

Content classification

Systematic usage of the `include` statement

```
modules/
├── administration-guide
│   ├── attachments
│   ├── examples
│   ├── images
│   ├── pages
│   ├── partials
│   └── nav.adoc
│
```

https://docs.antora.org/antora/latest/standard-directories/

Distributed components

Only editable downstream specific content
Only specify the component name and version.

Once a component specifies in antora.yml an identical component name and version, Antora considers all the files directory sets to belong to the same component version.

https://docs.antora.org/antora/latest/distributed-component-version/

Docs as build artifact

In the build directory:

1. Antora Collector pulls content
2. Antora Assembler creates monolithic AsciiDoc
3. Antora generates the website

```
build/ (unversioned)
├── assembler
├── collector
└── site
modules/ (versioned in Git)
antora-assembler.yml
antora-playbook.yml
antora.yml
```

Versioning build artifacts

The downstream repository contains:

1. Editable metadata
2. Non-editable versioned build artifacts

```
pub/ (versioned in Git)
├── administration-guide
│   ├── docinfo.html
│   ├── images
│   └── main.adoc
└── user-guide
       ├── docinfo.html
       ├── images
       └── main.adoc
```

AsciiDoc single-sourcing

Custom Attributes

```
    :my-attribute: My value
    {my-attribute}
```

Includes

```
    include::document-b.adoc[]
```

References: In-Document & Document to Document

```
    xref:#section-b[Section B]
    xref:document-b.adoc#section-b[Section B]
```

Creating a content pipeline with Antora

Antora
antora.org

Antora Zulip Chat
chat.antora.org

Antora Collector
gitlab.com/antora/antora-collector-extension

Antora Assembler
gitlab.com/antora/antora-assembler

Demo Project and more links
github.com/ahus1/antora-extensions-demo

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ahus1.de

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themr0c.github.io