# Technical Documentation Versioning with Hugo & Netlify

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#### Introduction

Technical Documents Versioning is an intersection of:

**Changes + Language + Navigation + Search** 

For small to medium sized sites using one language, a folder based method is likely best method to balance these considerations.

### **Versioning Considerations**

What are the main concerns when versioning technical documentation in a website?

- Readers
- Maintainers / Writers
- Necessity (Does the documentation need versioning yet?)
- Navigation
- Searchability
- Localization / Internationalization
- Compartmentalization
- Switchability

# **Versioning Schemes**

For a Hugo / Netlify setup:

| friendly schemes     | unfriendly schemes |
|----------------------|--------------------|
| None (don't version) |                    |
| Folder based         | Query Strings      |
| Subdomain based      | Cookies            |

#### Folder based



Each version of the documentation is placed in its own folder

## Folder based navigation code example

velero.io /site/layouts/docs/versions.html

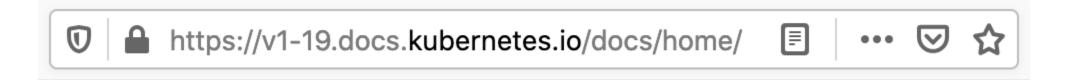
Batard (2020, L8-L18)

#### velero.io velero/site/config.yaml

```
versioning: true
latest: v1.5
versions:
   - main
   - v1.5
   - v1.4
   - v1.3.2
   :
```

Brubaker et al. (2020, L14-L20)

#### Subdomain based



Each version of the documentation is its own site

- Uses git feature branches rather than folders to organize versions
- Separate site in Netlify for each version supported
- Simpler template code, more complex config

# Subdomain based navigation code example

https://kubernetes.io website/layouts/partials/navbar-version-selector.html

Pursley et al. (2020, L4-L9)

#### https://kubernetes.io website/config.toml

```
[[params.versions]]
fullversion = "v1.20.0"
version = "v1.20"
githubbranch = "v1.20.0"
docsbranch = "master"
url = "https://kubernetes.io"
[[params.versions]]
fullversion = "v1.19.4"
version = "v1.19"
githubbranch = "v1.19.4"
docsbranch = "release-1.19"
url = "https://v1-19.docs.kubernetes.io"
```

Bannister et al. (2020, L180-L192)

## Summary

Version using folders if:

- maintainer ease of updates is a priority
- localization / Internationalization not a priority
- it is important that only the documentation is versioned

Version using subdomains if:

- localization / Internationality is planned
- compartmentalization not a priority

# **Questions?**

#### **References / Credits**

- Bannister, T. et al. (2020, December 23). kubernetes/website. GitHub. Retrieved February 2, 2021 from https://github.com/kubernetes/website/blob/ 7462297ee388332a7b0d27625929fbf44d0c1ea9/config.toml
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