

Opencast Summit 2021  
Hosted by TU Graz

# OPENCAST DOCUMENTATION

*CRUD the Opencast  
documentation like a flash*



# ABOUT THIS TALK

*Remember, a few hours of trial and error can save you several minutes reading the documentation.*

You won't have to take notes because

- The talk is being recorded
- But please ask questions slowly and in Simple English

# CONTENTS

- (1) Find / Select / Read
- (2) Markdown Basics
- (3) Update a Single Document
- (4) Setting up Git
- (5) Update Multiple Docs
- (6) MkDocs
- (7) Scope, Language, Examples

# FIND, SELECT, READ

*Locate & consume the  
documentation.*

# FIND, SELECT, READ

- (1) Open <https://docs.opencast.org>
- (2) Select the **adapter's** guide
- (3) Version 9.x
- (4) Note the URL containing the major version (branch name)
- (5) Note the TOC and the search bar

# GITHUB AND MARKDOWN BASICS

*Get familiar with the  
platform and the  
language.*

# GITHUB

- (1) (Free) GitHub account required
- (2) Not sure what GitHub is?  
<https://www.youtube.com/watch?v=w3jLJU7DT5E>
- (3) Edit the page to be changed
- (4) Link is at the bottom of the page
- (5) First-time fork the repository
- (6) Note the branch
- (7) Correct the URL if required

# MARKDOWN BASICS

- (1) Language that is easy to read in its source form and easy to write
- (2) # First-level heading
- (3) [link](https://target)
- (4) Avoid unnecessary styling or HTML
- (5) Syntax:  
<https://daringfireball.net/projects/markdown/syntax>



# UPDATE A SINGLE DOCUMENT

*Use the GitHub web interface to ask for a change of a single document.*

# UPDATE A SINGLE DOCUMENT

- (1) Edit using the GitHub Web Editor
- (2) Preview
- (3) Commit summary describing changes should mention “adopter’s documentation”
- (4) Propose change and create pull request
- (5) Read your email

# SET UP GIT

*Install and configure  
git version management  
on your machine.*

# GIT INSTALLATION

(1) Install git

<https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>  
and configure it

(2) OR use GitHub Desktop

<https://desktop.github.com/>

# GIT CONFIG – USER NAME AND EMAIL

```
git config --global user.name "your name"  
git config --global user.email n@foo.bar  
  
# verify  
git config --global user.name  
git config --global user.email
```

# UPDATE MULTIPLE DOCUMENTS

*Fork the repository,  
choose an editor,  
preview and submit  
your changes.*

# GET A COPY OF THE SOURCE CODE

```
# Obtain a copy of the source code
git clone https://github.com/opencast/opencast.git

# Note there is a README in opencast/docs/guides
# Change to the adopter's guide's subdir
cd opencast/docs/guides/admin

# Create a new branch for your change
# and switch to this branch in one command
git checkout -b docs_link_pyca
```

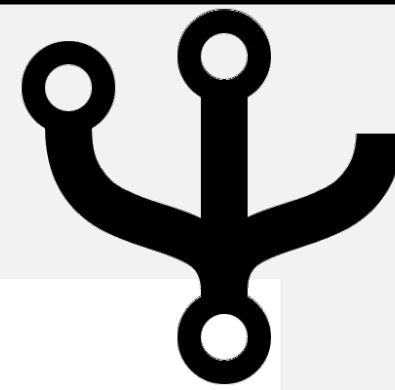
# EDIT, COMMIT

```
# Edit files, preview in your preferred editor
atom docs/installation/docker-local.md

# stage, then commit
git add docs/installation/docker-local.md
git commit -m "Link pyCA in adopter's guide"
```



# FORK, REMOTE, PUSH



```
# Create a fork at GitHub and add a remote  
git remote add myfork  
https://github.com/felix-demo/opencast
```

```
# push the new branch to the fork  
git push -u myfork docs_link_pyca
```

```
# Create pull request on GitHub
```

# MKDOCS

*Build the  
documentation on your  
machine.*

# MKDOCS

```
# install python3 and create a virtual environment  
python -m venv venv
```

```
# activate the virtual environment  
. ./venv/bin/activate
```

```
# have a (live) preview in the web browser  
python -m mkdocs serve
```

```
# if you want to also run automated tests  
cd .. && npm install && npm test
```

# SCOPE, LANGUAGE, EXAMPLES

*How useful additions  
may look like.*

# SCOPE, LANGUAGE, EXAMPLES

- (1) Scope: Mostly useful for Opencast admins, including Proxy configuration, Logging, Monitoring, and Opencast config
- (2) Simple English, simple sentences
- (3) Plenty of minimal examples

# THANK YOU

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