Let there be documentation!

[python] [git] [readthedocs]

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What?
Definition of documentation
(Dictionary definition)

1. The act or an instance of the supplying of documents or supporting references or records.
2. The documents or references so supplied.
What?

Let’s discuss this:

Good documentation
(From O’Reilly)
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**Good documentation**  
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- Write documentation that is comprehensive, detailing all aspects of the project
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- Write documentation that is easy to contribute to
- Write documentation that is easy to find
Why?
Why?

My reasons:
Why?

My reasons:

▶ For myself
Why?

My reasons:

- For myself
- For collaboration
Why?

My reasons:

- For myself
- For collaboration
- For new users
Why?

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What the internet says:
Why?

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What the internet says:

- Building code’s value
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- Robustness of code
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What are your reasons?
How?
How? Web

How? Web


Pdf documentation
- Full manual (313 pages)
- Quick start guide (7 pages)
How? Web


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Problems:

- Difficult to maintain up-to-date
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▶ Hands-on approach
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Problems:
  ▶ Only some available
How? Git wiki

How? Git wiki


Content:

- Mostly about coding
- Python section with some examples
- IDL - Python guide
How? Git wiki


Content:
- Mostly about coding
- Python section with some examples
- IDL - Python guide

Problems:
- Keeping it up-to-date
- Writing extra documentation
How? Read the docs!
How? Read the docs!

Why?
How? Read the docs!

Why?

- Automatic integration of git and documentation
How? Read the docs!

Why?

- Automatic integration of git and documentation
- Automatic parsing of the code
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- Automatic update
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- Online configuration: basic
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How?
- Online configuration: basic
- All documents are read from git, even the configuration
How? Read the docs!

Why?

- Automatic integration of git and documentation
- Automatic parsing of the code
- Automatic update
- Most standard tool nowadays

How?

- Online configuration: basic
- All documents are read from git, even the configuration
- All is setup within git and automatically available
Example case: Python for Pencil

https://pencil-python.readthedocs.io
Configuration files:

- pencil-code/.readthedocs.yaml
- Also needs a python setup: pencil-code/python/pencil/setup.py

Doc directory:

- pencil-code/python/docs

Required files inside docs:

- conf.py
- index.rst
- requirements.txt
Moving forward
Moving forward: proposal

All documentation in read the docs
Moving forward: proposal

All documentation in read the docs

► Python
Moving forward: proposal

All documentation in read the docs

- Python
- Pencil
Moving forward: proposal

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- Python
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Moving forward: proposal

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- Tutorials
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