

Gollum Wiki

“My Precious” - Sméagol

James Reynolds - March 2022



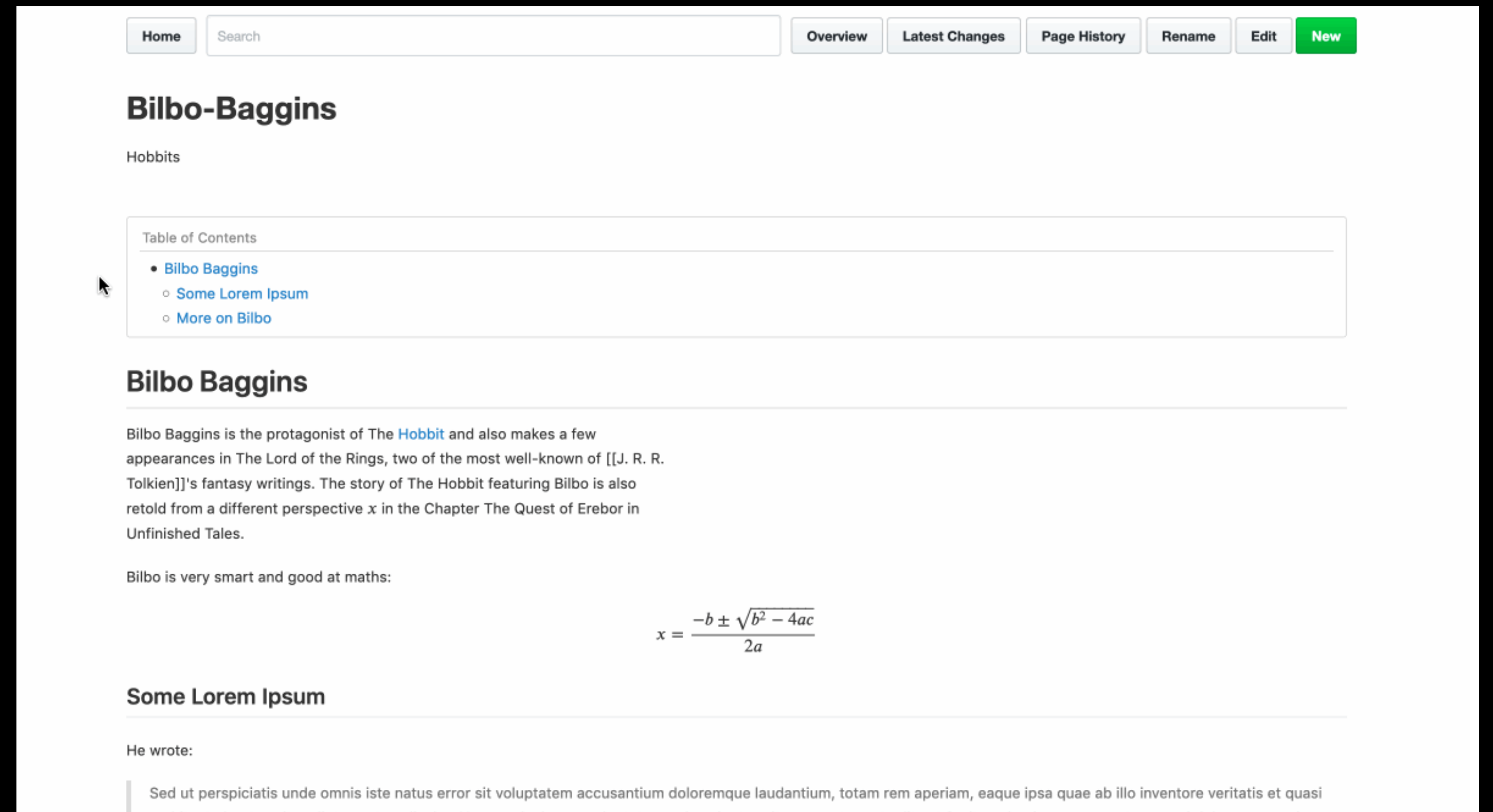
What is Gollum?

- Simple wiki system
- Written in Ruby
- Originally by GitHub
- Web ACE editor

The screenshot displays the Gollum wiki interface. At the top, there is a navigation bar with buttons for 'Home', 'Search', 'Overview', 'Latest Changes', 'Page History', 'Rename', 'Edit', and 'New'. The main content area is titled 'Bilbo-Baggins' and is categorized under 'Hobbits'. A 'Table of Contents' box on the left lists links: 'Bilbo Baggins', 'Some Lorem Ipsum', and 'More on Bilbo'. The main text area contains a paragraph about Bilbo Baggins, mentioning 'The Hobbit' and 'The Lord of the Rings'. Below this, it states 'Bilbo is very smart and good at maths:' followed by the quadratic formula:
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$
. The page also features a section titled 'Some Lorem Ipsum' with a placeholder text block starting with 'Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi'.

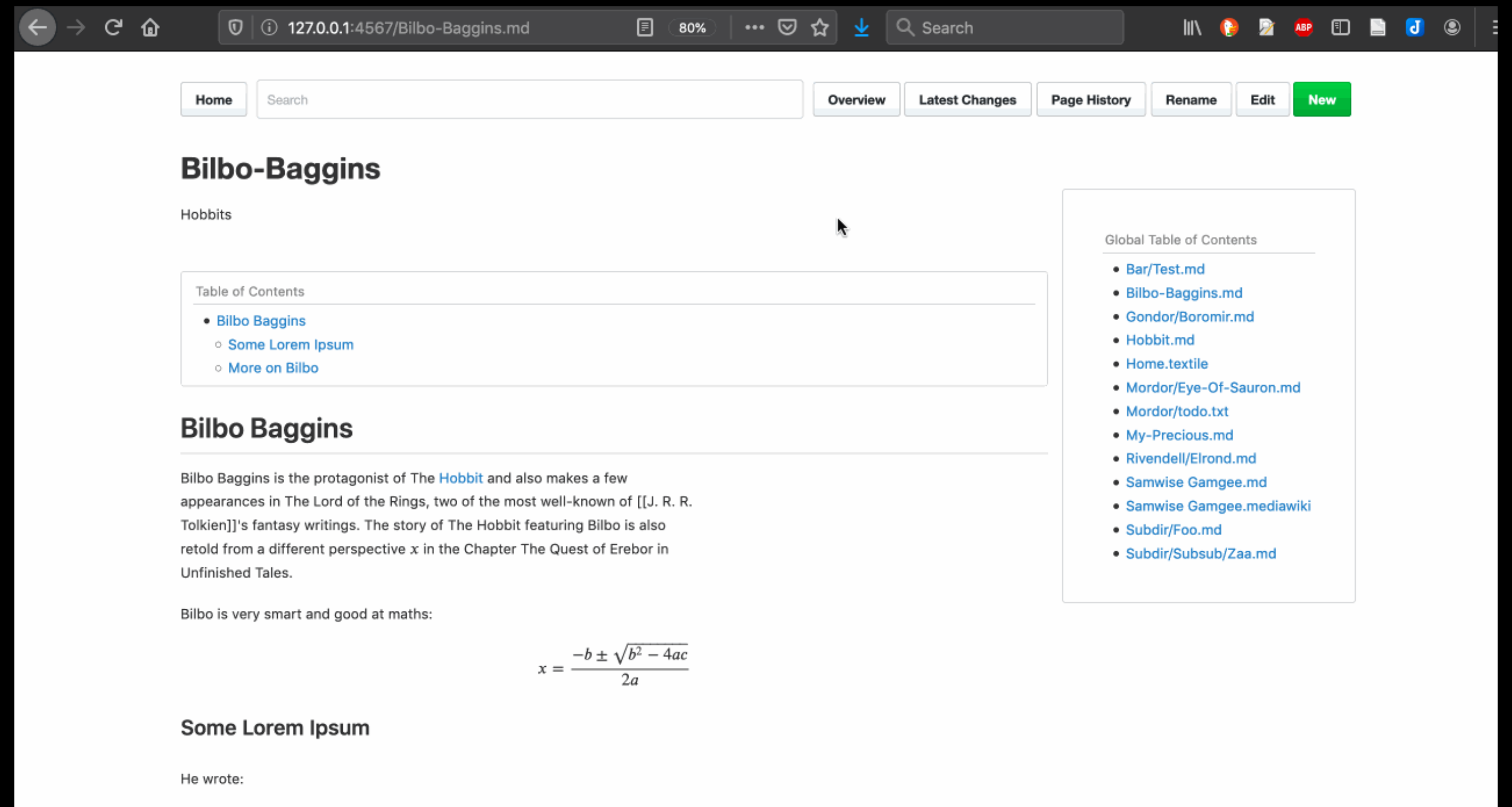
Gollum Formats

- Markdown
- AsciiDoc
- Creole
- MediaWiki
- more



Git


- “Saving” commits
- Browse history
- Compare
- Revert




Macros

- TOC
- Navigation
- Next/Previous pages
- Video/audio links
- Note/Warn
- Custom


- Note Syntax: `<<Note(string[, string])>>`
 - Example 1: `<<Note("Did you know?")>>`
 - Example 2: `<<Note("Did you know?", "bell")>>`
 - Example 3: `<<Note("Did you know?", "")>>`

 Did you know?

 Did you know?

Did you know?

- Warn Syntax: `<<Warn(string)>>`
 - Example: `<<Warn("Careful, changing that file could be dangerous")>>`

 Careful, changing that file could be dangerous

BibTeX and Citations

**Miscellaneous Notes:**

- WFDB is considered a standard data format within the research world, and has found application in industry as well.
- The WFDB format is generally used for ECG records - however, it can extend to other data formats.
- A possible alternative to the WFDB record format is the European Data Format+ (EDF+) [@garciamartinezLoadingPlottingFiltering2017].

**References:**

Miscellaneous Notes:

- WFDB is considered a standard data format within the research world, and has found application in industry as well.
- The WFDB format is generally used for ECG records - however, it can extend to other data formats.
- A possible alternative to the WFDB record format is the European Data Format+ (EDF+) [2].

References:

[1] G. Moody, "WFDB Programmer's Guide," 08-Mar-2019. [Online]. Available: <https://www.physionet.org/physiotools/wpg/wpg.pdf>. [Accessed: 17-Mar-2020].

[2] García MartínezC. A. *et al.*, "Loading, Plotting, and Filtering RR Intervals," in *Heart Rate Variability Analysis with the R package RHRV*, Cham: Springer International Publishing, 2017, pp. 15–28.

MathJax

```
retold from a different perspective  $x$  in the Chapter The Quest of Erebor in  
Unfinished Tales.
```

```
Bilbo is very smart and good at  $\text{inline}$  maths:
```

```
 $\$ x = \{-b \pm \sqrt{b^2 - 4ac} \over 2a\} \$$ 
```

```
## Some Lorem Ipsum
```

retold from a different perspective x in the Chapter The Quest of Erebor in
Unfinished Tales.

Bilbo is very smart and good at *inline* maths:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

UML Diagrams

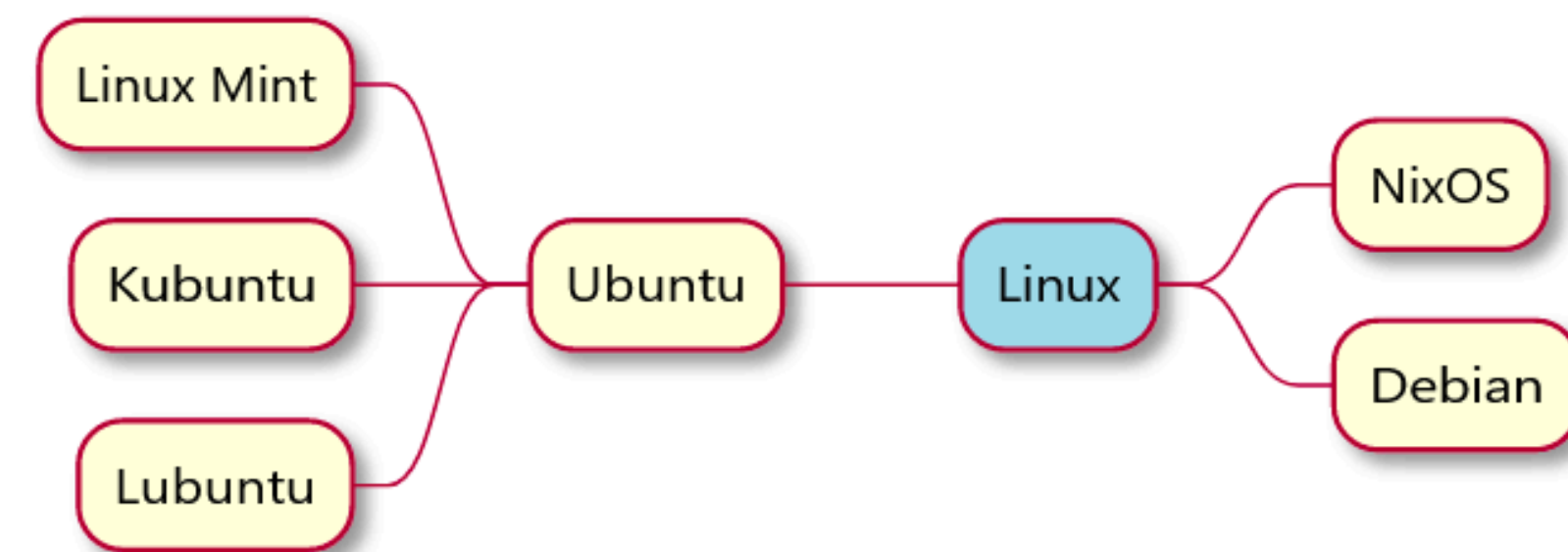
- Requires a PlantUML server

```
@startmindmap
<style>
mindmapDiagram {
  node {
    BackgroundColor lightYellow
  }
  :depth(0) {
    BackgroundColor lightBlue
  }
}
</style>

* Linux
** NixOS
** Debian

left side

** Ubuntu
*** Linux Mint
*** Kubuntu
*** Lubuntu
@endmindmap
```



CriticMarkup

Home

Search

Overview

Latest Changes

Page History

Upload

Rename

Edit

New

CriticMarkup

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. from amö s nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

When was this page last modified?

Delete this Page

Sidebar

- One
- Two
- Three
- Four
- Five
- Six
- Seven
- Eight
- Nine
- Ten

Running Gollum

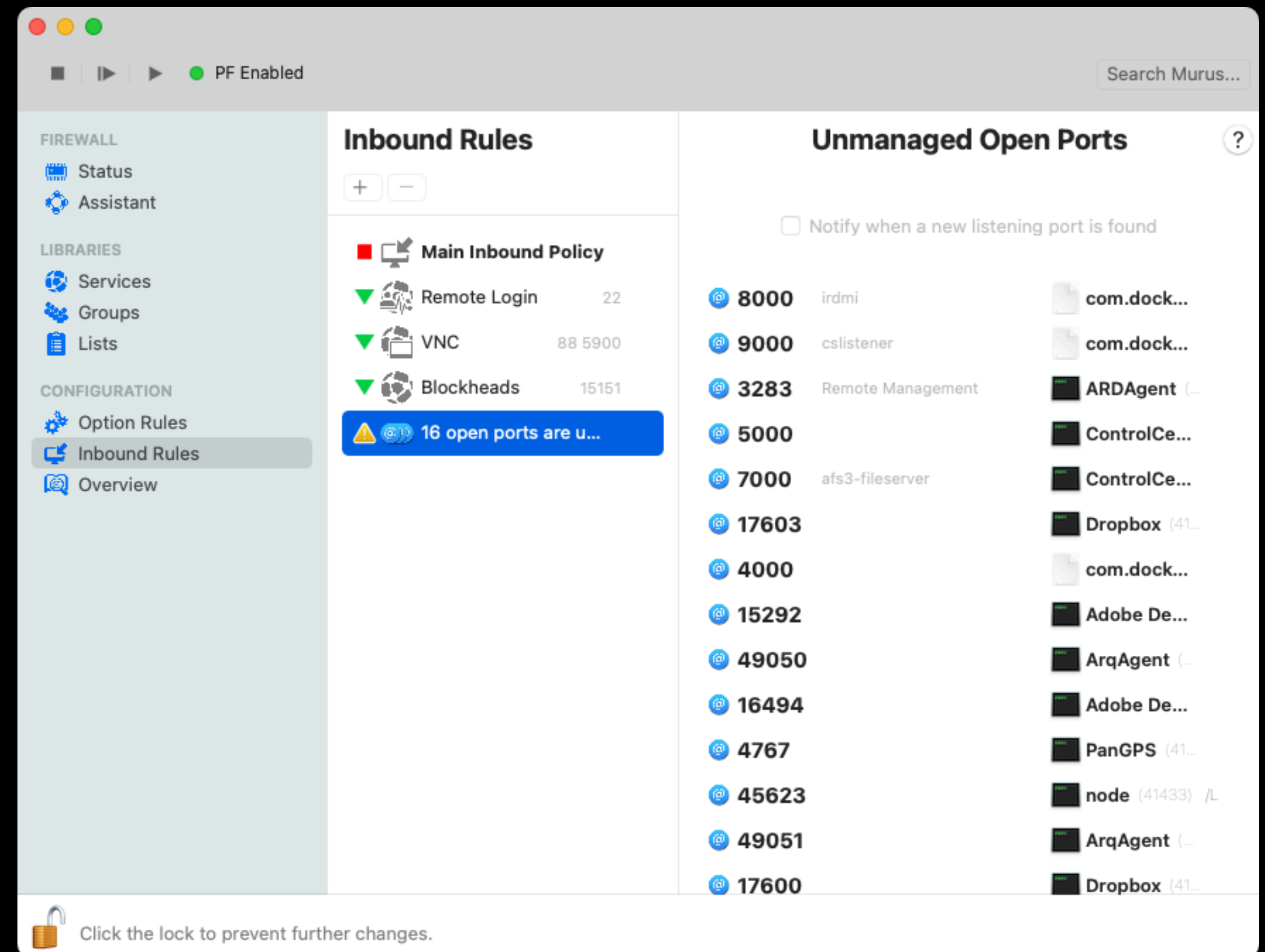
- There are many ways to run it
- I prefer

```
docker run --rm -p 4567:4567 -v $(pwd):/wiki gollumwiki/gollum:master
```

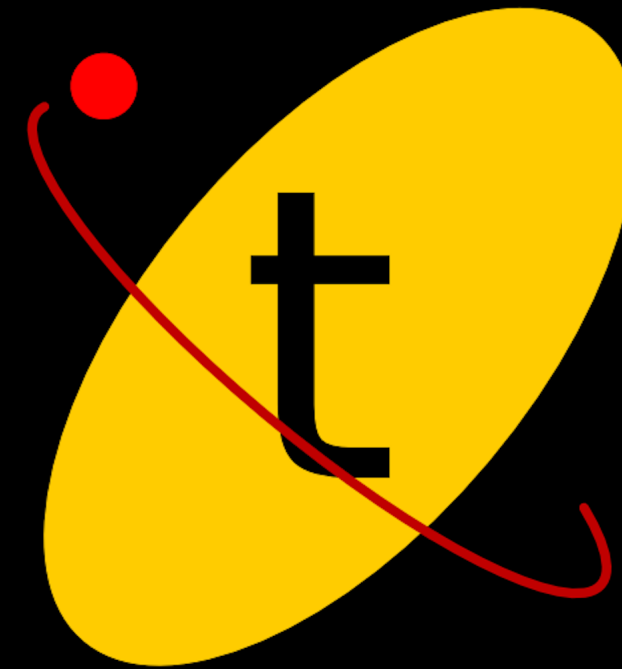
- Go to <http://localhost:4567>
- Note: I run 2 instances of Gollum and leave them both running all the time

Authentication

- There is none...
- I use Murus to firewall the port (<https://www.murusfirewall.com/>)
- There is an unofficial docker image with basic auth



Why Do I Care?



My Feature Wish List

- Markdown
- Link to files (images, pdfs)
- Link between notes
- Hierarchical folder structure
- Version history
- Syncs between devices
- Cross platform
- Pay with time instead of money



Gollum Rules Them All



Demo

- Try it yourself too

```
docker run --rm -p 4568:4567 -v $(pwd):/wiki gollumwiki/gollum:master
```