

History of Japanese Ruby reference manual, and future

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self.introduction

- Kazuhiro NISHIYAMA
- One of Ruby committers
- One of owners of <https://github.com/rurema>
 - Today's topic
- Ruby Development Inc.
 - one of Silver Sponsors
 - jimlock (one of TRICK 2022 winner) is my coworker
- Twitter, GitHub: @znz

Agenda

- What is rurema?
- History of Japanese Ruby reference manual
 - Before rurema
 - Recent changes
- Future plans
 - Short term plans
 - Medium term plans
 - Long term plans

What is rurema (るりま)?

- Japanese Ruby reference manual
Rubyリファレンスマニュアル刷新計画
- <https://github.com/rurema>
 - [rurema/doctree](#)
 - documents
 - [rurema/bitclust](#)
 - original system

るりま != るびま

- Rubyist Magazine
 - <https://magazine.rubyist.net/>
 - <https://github.com/rubima>
- a similar name, but not related
- in FAQ (rubima exist since that time)

Q. るびま、って「ネギま！」のぱくりですか？

A. 違います。多分。「るびま」を考えた人たちは「ネギま！」を知りませんでした(または、言われるまで気付かなかった)。

Before rurema

- Before Ruby 1.4.6
 - <https://ftp.ruby-lang.org/pub/ruby/doc/>
 - Documents written in **RD**
 - English: ruby-man-1.4.6.tar.gz
 - Japanese: ruby-man-1.4.6-jp.tar.gz
(HTML files encoding is iso-2022-jp)
- Ruby 1.6 to 1.8 era
 - Edit documents on **RWiki**
 - RWiki is a Wiki using RD + some extensions

Starting rurema

- In Ruby 1.8 era
 - Started **rurema** (Rubyリファレンスマニュアル刷新計画)
 - **bitclust** supports **RD** based original syntax
 - bitclust does not use **RDtool** (<https://rubygems.org/gems/rdtool>)
 - Import documents from **RWiki**

License of documents

- License exists in the edit form of RWiki with
 - license can be changed if there is an agreement on ML (rubyist ML on freeml. it already removed, and freeml service ended)
- License changed to **Creative Commons — Attribution 3.0 Unported**
[https://github.com/rurema/doctree/blob/master/refm/doc/
license.ru](https://github.com/rurema/doctree/blob/master/refm/doc/license.ru)

System improvements in bitclust era

- Convert documents from EUC-JP to UTF-8
- Support code colorize (#@samplecode)
 - #@ is prefix of pre-processors
- Output as chm, ePub too
 - may not work now
 - if it does not work, contribution chance!
 - default: static html (used on docs.ruby-lang.org)

Project current status

- Documentation improvement sub-projects
- Support new versions of Ruby
- <https://rurema-review.com/pass/>

Documentation improvement sub-projects

- Add executable sample codes
 - <https://github.com/rurema/doctree/issues/433>
コピー可能なサンプルコードを整備する
 - Colorize sample codes
- stalled (maybe almost done?)

Support new versions of Ruby

- Well supported
 - Method changes (new, changed arguments or functionality, removed)
- Insufficient supported
 - Syntax changes (pattern match, &., ...)
 - Changes are not clear where to write

rurema-review

- <https://rurema-review.connpass.com/>
 - every Tuesday night
 - るりまレビュー会 → るりまもくもく会
 - after 鹿児島Ruby会議01
- Many pull requests merged

→ inactive

Help wanted

- Help wanted to check current statuses
- Coordinator is also wanted
- Contact us on GitHub issues or #rurema channel of ruby-jp slack
 - <https://github.com/rurema/doctree/issues>
 - <https://ruby-jp.github.io/>

Future plans

- Short term plans
- Medium term plans
- Long term plans

RD based → Markdown based

- **Most important biggest short term plan**
 - Markdown is more familiar for many users
 - It makes more contributions
- I am investigating how to convert from current syntax

Current syntax

- `#@` lines are bitclust pre-processors
- `---` line is MethodList of RD

```
#@since 3.1  
--- intersect?(other) -> bool
```

`other` と共通の要素が少なくとも1個あれば `true` を、なければ `false` を返します。

```
#@samplecode 例  
a = [ 1, 2, 3 ]  
b = [ 3, 4, 5 ]  
c = [ 5, 6, 7 ]
```

Convert pre-processors

- Version branching, include, ...
- I care about
 - Editors support what extensions
 - Do not break Markdown processor which does not support extensions (e.g. GitHub.com)

MethodList

- What is alternative of MethodList
- Current syntax is based on `def m(args)`
- Blocks have notation fluctuations
 - `{|x| ... }`, `{|x| block }`, or `&block`
- Return types are not used effectively

Other syntax

- `#@samplecode` → code block
- links and references → ? (thinking)
 - link from `[[ref:m17n_prog]]` to `===[a:m17n_prog]` M17N プログラミングの基本 in the same file
 - link from `[[ref:c:GC#tuning_gc]]` to `====[a:tuning_gc]` チューニングのための環境変数 in the other file

Other short term plans and problems

- Clean up unused files, old files
 - ChangeLog, setup.rb, ...
- Not sure if tools are still usable
- **Lack of usage documentation**
 - This is most important for contributors
- Reproducible build
 - in container? devcontainer?

Medium term plans with other software

- Cooperation with RBS
 - e.g. Check signatures
- Cooperation with IRB
 - Support to show rurema instead of rdoc

Medium term plans for documents

- Executable sample code using WASM
 - hanachin already tried <https://github.com/hanachin/bitclust/commit/1ae60bfabd09c0d241e6960a6800e27a797ce175> and will discuss at <https://github.com/rurema/doctree/issues/2730>
- Clean up unbundled libraries and old documents
 - Some documents moved to <https://github.com/rurema/historical-documents>

Long term plans

- l18n support
 - Hard to merge rdoc, so rurema will continue separately
 - gettext based?
 - or something else based?
 - It should be based on English, so unlikely to come true

end

- Short term most important plans to increase contributions
 - RD based → Markdown based
 - Improve usage documentation
- Middle term plans: Improve for users
- Resolve many historical problems progressively
- Contribution welcome!
 - Contact us on GitHub or `#rurema` channel of ruby-jp slack