

Ruby master - Bug #14246

Inconsistent C source code indentation

12/27/2017 09:22 AM - shyouhei (Shyouhei Urabe)

Status: Closed	
Priority: Normal	
Assignee:	
Target version:	
ruby -v:	Backport: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN
Description <p>I would like to focus on following 238 C source codes in our repository.</p> <pre>% git ls-files grep '\.(c h def)\$' grep -v 'ext spec test' wc -l 238</pre> <p>Here, in these 238 files, 10 files are indented using spaces only.</p> <pre>% git ls-files grep '\.(c h def)\$' grep -v 'ext spec test' \ xargs grep --files-without-match '\$^\t' xargs grep --files-with-match '^ ' wc -l 10</pre> <p>On the other hand 66 files are indented using tabs.</p> <pre>% git ls-files grep '\.(c h def)\$' grep -v 'ext spec test' \ xargs grep --files-with-match '\$^\t' xargs grep --files-without-match '^ ' wc -l 66</pre> <p>Other 61 files do not indent. We should not bother them.</p> <pre>% git ls-files grep '\.(c h def)\$' grep -v 'ext spec test' \ xargs grep --files-without-match '\$^\t' xargs grep --files-without-match '^ ' wc -l 61</pre> <p>So far so good. But what about remaining 101 files? The answer is obvious; these files MIX indents.</p> <pre>% git ls-files grep '\.(c h def)\$' grep -v 'ext spec test' \ xargs grep --files-with-match '\$^\t' xargs grep --files-with-match '^ ' wc -l 101</pre> <p>This is totally wrong. No matter should we use spaces or tabs for indentations, it must be consistent.</p>	
Related issues: <p>Related to Ruby master - Misc #16112: Reduce the possibility of "expand tabs"...</p> <p style="text-align: right;">Closed</p>	

Associated revisions

Revision 224bbbdc - 01/25/2018 12:11 AM - kazu

.editorconfig: Use spaces instead of tab except Makefiles

ref [Bug #14246]
[ci skip]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@62033 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 62033 - 01/25/2018 12:11 AM - znz (Kazuhiro NISHIYAMA)

.editorconfig: Use spaces instead of tab except Makefiles

ref [Bug #14246]
[ci skip]

Revision 62033 - 01/25/2018 12:11 AM - kazu

.editorconfig: Use spaces instead of tab except Makefiles

ref [Bug #14246]
[ci skip]

Revision b83ae747 - 03/17/2018 02:37 AM - k0kubun (Takashi Kokubun)

misc/ruby-style.el: use spaces for indentation

instead of hard tabs.

[Bug #14246]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@62789 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 62789 - 03/17/2018 02:37 AM - k0kubun (Takashi Kokubun)

misc/ruby-style.el: use spaces for indentation

instead of hard tabs.

[Bug #14246]

Revision 62789 - 03/17/2018 02:37 AM - k0kubun (Takashi Kokubun)

misc/ruby-style.el: use spaces for indentation

instead of hard tabs.

[Bug #14246]

Revision acc48fce - 06/06/2018 06:14 AM - yui-knk (Kaneko Yuichiro)

ast.c: Change tabs to spaces

- ast.c: I created a new C source code file with tabs and spaces mixed format by mistake. Currently we move to spaces only. Surely we agreed not to batch update. But ast.c is a new source code. So please forgive me to change the format before many changes are committed this file. I'm sorry about my mistake.

ref [Bug #14246]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@63586 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 63586 - 06/06/2018 06:14 AM - yui-knk (Kaneko Yuichiro)

ast.c: Change tabs to spaces

- ast.c: I created a new C source code file with tabs and spaces mixed format by mistake. Currently we move to spaces only. Surely we agreed not to batch update. But ast.c is a new source code. So please forgive me to change the format before many changes are committed this file. I'm sorry about my mistake.

ref [Bug #14246]

Revision 63586 - 06/06/2018 06:14 AM - yui-knk (Kaneko Yuichiro)

ast.c: Change tabs to spaces

- ast.c: I created a new C source code file with tabs and spaces mixed format by mistake. Currently we move to spaces only. Surely we agreed not to batch update. But ast.c is a new source code. So please forgive me to change the format before many changes are committed this file. I'm sorry about my mistake.

ref [Bug #14246]

Revision 36fa6af2 - 07/01/2018 01:38 AM - kazu

[DOC] newer codes recommend to use spaces only

[Bug #14246]
[ci skip]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@63811 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 63811 - 07/01/2018 01:38 AM - znz (Kazuhiro NISHIYAMA)

[DOC] newer codes recommend to use spaces only

[Bug #14246]
[ci skip]

Revision 63811 - 07/01/2018 01:38 AM - kazu

[DOC] newer codes recommend to use spaces only

[Bug #14246]
[ci skip]

History

#1 - 12/27/2017 10:19 AM - duerst (Martin Dürst)

I'm all for better consistency. I thought there were clear guidelines for Ruby, and (almost) everybody was following them. I didn't know it was that bad.

But fixing spacing will obscure where the code originally came from. I don't really like that.

To improve the situation, I have the following suggestions:

- 1) Install an SVN bot that fixes indents on newly committed lines automatically. That would hopefully catch the attention of the committers.
- 2) Based on svn blame, get a picture of who is how good (or not) at following the guidelines, and gently nudge everybody in the right direction.

[Somebody sooner or later will start discussion on what the best way of indenting should be. If you want to do this, please make it a separate issue. Please tag it as "joke" (because we don't have a "bikeshed" category).]

#2 - 12/27/2017 10:36 AM - shyouhei (Shyouhei Urabe)

- Description updated

#3 - 12/27/2017 11:08 AM - normalperson (Eric Wong)

duerst@it.aoyama.ac.jp wrote:

I'm all for better consistency. I thought there were clear guidelines for Ruby, and (almost) everybody was following them. I didn't know it was that bad.

Right, I remember it being 4 spaces per-level, and use TAB whenever it's 8 spaces. AFAIK, that's the Emacs default and I've seen this in several other projects, so not uncommon..
In vim, I use: `:set ts=8 sw=4 sts=4 noexpandtab`

But fixing spacing will obscure where the code originally came from. I don't really like that.

Agreed 100%. Noise makes code archaeology harder, I don't like whitespace-only changes; but I'd be happy to see them if one is in the affected area and already changing code, and the proposed SVN bot might help with that...

I admit that I moved some existing all-space code not long ago and did not notice it, but nobu fixed it for me :x

To improve the situation, I have the following suggestions:

- 1) Install an SVN bot that fixes indents on newly committed lines automatically. That would hopefully catch the attention of the committers.

Instead of auto-fixing, it should email the committer; that ought to reduce future screwups.

#4 - 12/30/2017 01:29 PM - znz (Kazuhiro NISHIYAMA)

I think that guidelines are `.editorconfig` for most editors, `misc/ruby-style.el` for Emacs, and `.indent.pro` for indent.

#5 - 01/05/2018 06:13 PM - vo.x (Vit Ondruch)

Let me quote Developers How-To [1](#):

- indent

- 4 for C
- 2 for Ruby
- tab/space
 - Do not use TABs in ruby codes ruby-dev:19388
 - Use TAB instead of 8 SPs in C. (Emacs's default style)

#6 - 01/05/2018 08:46 PM - naruse (Yui NARUSE)

Just FYI, there's a format tool named clang-format.
<https://clang.llvm.org/docs/ClangFormat.html>

I use following options:
<https://github.com/nurse/strptime/blob/master/clang-format>

#7 - 01/14/2018 05:56 PM - graywolf (Gray Wolf)

As [vo.x \(Vit Ondruch\)](#) already pointed out, there are guidelines for the indentation. So based on the guidelines the 101 files are (probably) correctly indented and the 76 (10 + 66) files are (probably) wrongly indented.

#8 - 01/15/2018 02:26 AM - shyouhei (Shyouhei Urabe)

[graywolf \(Gray Wolf\)](#) we are talking about C codes here. The "Do not use TABs" policy applies to non-C files.

#9 - 01/15/2018 02:37 AM - graywolf (Gray Wolf)

I can't count to 8 in

```
xargs grep --files-with-match '^  ' `
```

, sorry, just ignore me. :/

#10 - 01/24/2018 08:00 AM - shyouhei (Shyouhei Urabe)

We discussed this issue in today's developer meeting.

- We agreed not to batch update the indents at once. Indents should become consistent over time.
- Matz has no strong opinion on this topic.
- We agreed to move to spaces only. Reasons behind this:
 - No contemporary advantage of mixing tabs and spaces today.
 - Emacs fans at the meeting could use ruby-style.el, and that style can be updated.

So the next action is:

- Modify ruby-style.el and other config files.
- Use them.

#11 - 01/25/2018 12:11 AM - Anonymous

- Status changed from Open to Closed

Applied in changeset [trunk|r62033](#).

.editorconfig: Use spaces instead of tab except Makefiles

ref [Bug [#14246](#)]
 [ci skip]

#12 - 01/31/2018 12:04 PM - znz (Kazuhiro NISHIYAMA)

- Status changed from Closed to Open

Re-open because accidentally closed.
 At least misc/ruby-style.el set to tabs.

#13 - 03/17/2018 02:37 AM - k0kubun (Takashi Kokubun)

- Status changed from Open to Closed

Applied in changeset [trunk|r62789](#).

misc/ruby-style.el: use spaces for indentation

instead of hard tabs.

[Bug [#14246](#)]

#14 - 08/21/2019 01:25 PM - k0kubun (Takashi Kokubun)

- *Related to Misc #16112: Reduce the possibility of "expand tabs" commit occurrences added*