I would like to reuse profiler gem namespace:

https://rubygems.org/gems/profiler/versions

It currently conflicts with profile/lib/profiler.rb however this is no longer part of stdlib.

cc ko1 (Koichi Sasada)

My initial goal is to expose some general data structures for efficiently capturing large memory profiles on top of ObjectSpace and GC modules, similar to how memory_profiler gem works. I don't mind making separate gem, but it seems like the profile or profiler gem would be ideal and have not been updated for a long time. Initially I was thinking of making separate gems and trying to provide a unified interface, e.g.

- memory_profiler -> profiler-memory
- stackprof -> profiler-stack
- ruby-prof -> profiler-sample

etc.

I think that's too ambitious initially, but yeah, that's a longer term idea, with an initial focus on profiler-memory of which I've already got working code and just looking how to structure it best for longer term integration.

A sideways step would be to provide rspec-memory hooks for using these profilers either for general summary or assertions around blocks of code (of which I already maintain the rspec-memory gem which does some parts of this).

ko1 (Koichi Sasada) said he wants to use profile gem, but I'm not sure if he also intended to use profiler gem. So, ko1 (Koichi Sasada), can I use one of them, and you can use the other?

I agree all your points. I already have working profiler-memory to a certain extent.

In the profile stdlib, both files are used: -rprofile starts the profiler immediately, while profiler.rb is like a library:
So it seems to me not advisable to reuse those "require names" for something not strictly compatible since profile was only removed in 2.7.

#7 - 07/25/2020 01:15 PM - byroot (Jean Boussier)
@ioquatrix I'm curious. What's the difference between your memory-profiler and the existing memory_profiler?

For context I've been working on https://github.com/shopify/heap-profiler for the last week, and I'm also very interested in improving ObjectSpace and GC APIs

#8 - 07/25/2020 11:27 PM - ioquatix (Samuel Williams)
I was able to profile 200+ million* allocations with my fork which was impossible with the current implementations. Right now my current plan is to upstream these changes to memory_profiler. (*sorry, incorrectly said billions previously :)

#9 - 07/27/2020 03:15 PM - jeremyevans0 (Jeremy Evans)
- Backport deleted (2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN)
- Tracker changed from Bug to Misc

#10 - 08/12/2020 07:16 AM - ko1 (Koichi Sasada)
- Status changed from Open to Feedback

Sorry for late response.

I have a plan to remake current profile library with recent APIs.

#11 - 09/02/2020 06:14 AM - ioquatix (Samuel Williams)
- Status changed from Feedback to Closed

Okay, I look forward to your profiler.