

Ruby master - Bug #17021

"arm64" and "arm" are mixed in RbConfig on Apple silicon

07/09/2020 11:57 AM - watson1978 (Shizuo Fujita)

Status: Open	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: ruby 2.8.0dev (2020-07-09T09:14:53Z master addbb7d16e) [arm64-darwin20]	Backport: 2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN
Description	
<p>When I checked the value of RbConfig::CONFIG on the Apple silicon macOS, I found "arm64" and "arm" are mixed as following.</p>	
<pre>\$ ruby -v ruby 2.8.0dev (2020-07-09T09:14:53Z master addbb7d16e) [arm64-darwin20] \$ ruby -e 'require "rbconfig"; pp RbConfig::CONFIG' grep "arm" "/Users/watson/.rbenv/versions/2.8.0/include/ruby-2.8.0/vendor_ruby/arm64-darwin20", "/Users/watson/.rbenv/versions/2.8.0/include/ruby-2.8.0/site_ruby/arm64-darwin20", "/Users/watson/.rbenv/versions/2.8.0/include/ruby-2.8.0/arm64-darwin20", "/Users/watson/.rbenv/versions/2.8.0/lib/ruby/vendor_ruby/2.8.0/arm64-darwin20", "/Users/watson/.rbenv/versions/2.8.0/lib/ruby/site_ruby/2.8.0/arm64-darwin20", "/Users/watson/.rbenv/versions/2.8.0/lib/ruby/2.8.0/arm64-darwin20", "sitearch"=>"arm64-darwin20", "arch"=>"arm64-darwin20", "/Users/watson/.rbenv/versions/2.8.0/include/arm64-darwin20", "/Users/watson/.rbenv/versions/2.8.0/include/arm64-darwin20", "sitearchlibdir"=>"/Users/watson/.rbenv/versions/2.8.0/lib/arm64-darwin20", "archlibdir"=>"/Users/watson/.rbenv/versions/2.8.0/lib/arm64-darwin20", "/Users/watson/.rbenv/versions/2.8.0/lib/ruby/arm64-darwin20", "/Users/watson/.rbenv/versions/2.8.0/lib/ruby/arm64-darwin20", "Target: arm64-apple-darwin20.0.0\n" + "target_cpu"=>"arm64", "target"=>"arm64-apple-darwin20", "host_cpu"=>"arm", "host"=>"arm-apple-darwin20.0.0", "build_cpu"=>"arm", "build"=>"arm-apple-darwin20.0.0", "/Users/watson/.rbenv/versions/2.8.0/lib/ruby/2.8.0/arm64-darwin20", "topdir"=>"/Users/watson/.rbenv/versions/2.8.0/lib/ruby/2.8.0/arm64-darwin20"}</pre>	
<p>"target_cpu" indicates "arm64", however, "host_cpu" has "arm"...</p>	
<p>I'd like to know whether this behavior is the right thing.</p>	

History

#1 - 08/03/2020 07:56 PM - larskanis (Lars Kanis)

IMHO, "host_cpu" should have "arm64". "arm" looks like a bug to me. Would be nice to get this resolved, since it blocks <https://github.com/ffi/ffi/pull/801>.