

Ruby - Bug #18507

Incorrect target_os detection in configure script

01/21/2022 03:19 PM - rcl (Andrew Kosteltsev)

Status:	Open	Backport: 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	3.1.0	
Description		
configure.ac incorrectly detect target_os by target triplet such as arm-unknown-linux-gnueabi. In case arm-unknown-linux-gnueabi suffix we have incorrect ruby arch = 'arm-linux-eabi' instead of 'arm-linux'.		
configure.ac: 246: target_os=echo \$target_os sed 's/linux-gnu\$/linux/;s/linux-gnu/linux-/'		
should be changed to: target_os=echo \$target_os sed 's/linux-gnu[[^]]*\$/linux/;s/linux-gnu/linux-/'		
and correspondently configure: 7619: target_os=echo \$target_os sed 's/linux-gnu\$/linux/;s/linux-gnu/linux-/'		
should be changed to: target_os=echo \$target_os sed 's/linux-gnu[[^]]*\$/linux/;s/linux-gnu/linux-/'		

History

#1 - 01/22/2022 04:18 PM - nobu (Nobuyoshi Nakada)

It seems like intentional, as there is the second substitution.
Is arm-linux-eabi incorrect?

#2 - 01/25/2022 08:57 AM - rcl (Andrew Kosteltsev)

In case 'arm-unknown-linux-gnueabi' GNU Autotools recognizes target_os as 'linux-gnueabi' (and 'linux-gnu' if 'arm-unknown-linux-gnu'). But ruby has own function for getting target_os during configuration process. I think there are no reasons to set up ruby for both architectures (arm with soft fp engine and arm with hard fp) on one machine. If it is true then we can define target_os as 'linux' without any suffix.

If you want to set up ruby for several arch at the same time then you can stay with 'linux-eabi'. However, this will create problems for distributors due to the disagreement in determining the target_os by GNU Autotools and determining the target_os by configure script from RUBY.

Any case the 'linux-eabi' is not correct name for target_os.

Files

ruby-3.1.0-configure-target-os.patch	983 Bytes	01/21/2022	rcl (Andrew Kosteltsev)
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