Ruby - Bug #10789

X-forwarded-Proto required when using Reverse Proxy

01/27/2015 03:51 PM - jbalcorn (Justin Alcorn)

Status:	Closed		
Priority:	Normal		
Assignee:			
Target version:			
ruby -v:	ruby 2.0.0p353 (2013-11-22) [x86_64-linux]	**Backport:**	2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN

Description

The Webrick library httpserver.rb makes use of the X-Forwarded-* HTTP headers when building link references for 307 responses. It also requires X-Forwarded-Proto, but this header is not added by default in Apache 2.2 mod_proxy (and possibly others). It defaults to port 80, which can result in 307 responses that redirect to URIs such as

https://host.example.com:80/url

in httprequest.rb:

@forwarded_port = (tmp || (@forwarded_proto == "https" ? 443 : 80)).to_i

ruby 2.0.0p353 (2013-11-22) [x86_64-linux] on Red Hat Enterprise Linux Server release 6.6 (Santiago)

Workaround is to put

RequestHeader set X-Forwarded-Proto "https"

int the Apache conf, but Webrick should Do The Right Thing (tm) Since the header is not present by default.

History

#1 - 07/08/2019 01:34 AM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Feedback

I don't think this is a bug. If Apache doesn't pass the X-Forwarded-Proto header, and the X-Forwarded-Host header doesn't include the port, then how would Webrick know that the request was originally submitted via https? I'm not sure how Webrick would generate the https://host.example.com:80/url redirect if X-Forwarded-Proto was not submitted, as it should use http://host.example.com:80/url in that case.

What do you propose by "Do the Right Thing (tm)", and how do you propose to implement it?

#2 - 08/12/2019 02:23 AM - jeremyevans0 (Jeremy Evans)

- Status changed from Feedback to Closed