

Ruby - Bug #4922

Bug in Webrick httprequest.rb using multiple proxies and fix

06/23/2011 05:09 PM - nahi (Hiroshi Nakamura)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:	nahi (Hiroshi Nakamura)	
Target version:	1.9.3	
ruby -v:	any	
Description		
(From [ruby-core:33872])		
Hi.		
This is my first post to this mailing list, so please tell me, if I posted this the wrong place, or I in any other way should do something different.		
I have been playing around with Webrick for some time now, and decided to set up a virtual machine with a hosted webrick based application.		
For every request, the request goes through two Apache proxies because of lack of IP addresses. The forwarded hostname is therefore split by commas like this:		
Host= domain.com, someotherdomainoorip.com		
Webrick doesnt handle this well. It looks like it only supports one single forwarded hostname.		
This can however easily be fixed by changing like 291 in httprequest.rb from:		
host, port = @forwarded_host, @forwarded_port		
To:		
host, port = @forwarded_host.split(",")[0].strip, @forwarded_port		
If not, Webrick will not handle the request and raise an error.		
My fix may be more than a hack than a fix, but for now it works and makes Webrick actually handle the request instead of crashing. I have attached a .diff I made with Subversion.		
Thank you for a great programming language.		
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Kasper Johansen		

Associated revisions

Revision 635d13a8 - 06/24/2011 11:05 AM - Hiroshi Nakamura

- lib/webrick/httprequest.rb (setup_forwarded_info): Parsing request header failed when the request is from 2 or more Apache reverse proxies. It's said that all X-Forwarded-* headers will contain more than one (comma-separated) value if the original request already contained one of these headers. Since we could use these values as Host header, we choose the initial(first) value. See #4922.
- test/webrick/test_httprequest.rb (test_forwarded): Test it.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@32222 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

merges r32222 from trunk into ruby_1_9_2.

- lib/webrick/httprequest.rb (setup_forwarded_info): Parsing request header failed when the request is from 2 or more Apache reverse proxies. It's said that all X-Forwarded-* headers will contain more than one (comma-separated) value if the original request already contained one of these headers. Since we could use these values as Host header, we choose the initial(first) value. See #4922.
- test/webrick/test_httprequest.rb (test_forwarded): Test it.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_2@32879 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 06/23/2011 05:11 PM - nahi (Hiroshi Nakamura)

See also: 'Reverse Proxy Request Headers' in http://httpd.apache.org/docs/2.2/en/mod/mod_proxy.html

Be careful when using these headers on the origin server, since they will contain more than one (comma-separated) value if the original request already contained one of these headers. For example, you can use %{X-Forwarded-For}i in the log format string of the origin server to log the original clients IP address, but you may get more than one address if the request passes through several proxies.

#2 - 06/24/2011 09:25 PM - nahi (Hiroshi Nakamura)

- *Status changed from Assigned to Closed*

I close it since I replied to the original reporter at ruby-core.