

Ruby master - Bug #11450

HTTPHeader.content_range throws error on non-byte units

08/17/2015 12:12 PM - thomthom (Thomas Thomassen)

Status: Open	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: 2.0 to 2.2	Backport: 2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN
Description	
<p>I ran into an issue with <code>HTTPHeader.content_range</code> today when interacting with a REST API that used <code>Range</code> and <code>Content-Range</code> with units other than "bytes". It used "items" instead to let the API user to say how many data items should be returned from the database.</p> <p>The HTTP 1.1 specs only define "bytes", but other units are valid (see that "other-range-unit" is described). The specs then say implementations might ignore these other units. However, Ruby doesn't ignore - Ruby throws an error and refuse to proceed.</p> <p>https://www.ietf.org/rfc/rfc2616.txt</p> <p>3.12 Range Units</p> <p>HTTP/1.1 allows a client to request that only part (a range of) the response entity be included within the response. HTTP/1.1 uses range units in the <code>Range</code> (section 14.35) and <code>Content-Range</code> (section 14.16) header fields. An entity can be broken down into subranges according to various structural units.</p> <p>range-unit = bytes-unit other-range-unit bytes-unit = "bytes" other-range-unit = token</p> <p>The only range unit defined by HTTP/1.1 is "bytes". HTTP/1.1 implementations MAY ignore ranges specified using other units.</p> <p>Looking at the source it can be seen that "bytes" is hard coded and Ruby doesn't account for the possibility of any other unit.</p> <pre>def content_range return nil unless @header['content-range'] m = %r<bytes\s+(\d+)-(\d+)/(\d+ *)>.match(self['Content-Range']) or raise Net::HTTPHeaderSyntaxError, 'wrong Content-Range format' m[1].to_i .. m[2].to_i end</pre> <p>The best thing would be if Ruby handled custom range units, but in the very least ignored unknown units instead of throwing errors for a valid HTTP response with custom range units.</p>	
Related issues:	
Has duplicate Ruby master - Bug #12055: `NET::HTTPResponse` is not deflating ...	Assigned

History

#1 - 09/29/2015 12:50 PM - shishir127 (Shishir Joshi)

Raised a [PR](#)

#2 - 07/05/2019 12:26 AM - jeremyevans0 (Jeremy Evans)

- Has duplicate Bug #12055: `NET::HTTPResponse` is not deflating responses with custom `Content-Range` header added