

TYPO3.Flow - Feature # 48657

Status:	Under Review	Priority:	Should have
Author:	Simon Schaufelberger	Category:	
Created:	2013-05-29	Assigned To:	
Updated:	2013-06-20	Due date:	
PHP Version:			
Has patch:	No		
Complexity:			
Subject:	support HTTP_RANGE		
Description			
Flow has a great HTTP API already but does not yet support HTTP_RANGE which is often/always used on mobile devices. It would be great to serve huge download files with HTTP_RANGE.			
See: http://mobiforge.com/developing/story/content-delivery-mobile-devices "Appendix A: Streaming for Apple iPhone" but note that there are some little errors in that snippet.			
Related issues:			
related to TYPO3.Media - Feature # 34462: Provide base mechanism for direct s...		New	2012-03-02

History

#1 - 2013-05-30 00:05 - Jacob Floyd

Whoever codes this, please reference the relevant RFC 2616 sections.

Relevant HTTP stuff (Section numbers from [RFC 2616](#)):

Request Headers ([5.3](#)):

- If-Range ([14.27](#))
- Range ([14.35](#) especially [14.35.2](#))

Response Headers ([6.2](#)):

- Accept-Ranges ([14.5](#))

Entity Headers ([7.1](#)):

- Content-Range ([14.16](#))
(Content-Length ([14.13](#)) is required to use Content-Range)

Response Types:

- 206 Partial Content ([10.2.7](#))
- 416 Requested range not satisfiable ([10.4.17](#))

Partial Content Response Misc info:

MediaType multipart/byteranges ([19.2](#)) The implementation of this in the referenced appendix on mobiforge only implements single ranges, not multi-ranges
only "needed" response headers need to be sent for ranges ([19.6.3 Changes from RFC 2068](#))

#2 - 2013-06-14 18:28 - Alexander Berl

I just recently fiddled with Range requests and one additional idea that comes into mind with that is, that controllers should be able to return Resource objects, which will then be streamed to the user. That way even large files could be secured through the framework, but be delivered with less memory footprint than simply returning a `file_get_contents()` by submitting the data in parts.

Only thing that might become tricky to do properly would be multipart byteranges, but not sure when/where those are actually used.

#3 - 2013-06-19 23:33 - Simon Schaufelberger

found another good example here: <http://www.richnetapps.com/php-download-script-with-resume-option/>

#4 - 2013-06-20 16:19 - Gerrit Code Review

- *Status changed from New to Under Review*

Patch set 1 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/21535>