Core - Bug # 63821

Story # 63815 (New): Reduce communication between server and client

Status:	New	Priority:	Should have
Author:	Patrick Broens	Category:	
Created:	2014-12-13	Assigned To:	
Updated:	2014-12-18	Due date:	
TYPO3 Version:	7		
PHP Version:	5.5		
Complexity:	medium		
Is Regression:	No		
Sprint Focus:			
Subject:	HTTP header status 200 should be 304 when cached page not modified		
Description			

When a cached page is requested, a "Last-Modified" header is sent with the response, based on the SYS_LASTCHANGED field of the page.
The server response always has a "HTTP/1.1 200 OK" status

There is no check if the browser request comes with a "If-Modified-Since" header. If so, It should be compared with SYS_LASTCHANGED. If the date of SYS_LASTCHANGED is earlier or equal than "If-Modified-Since", it should return a "HTTP/1.1 304 Not Modified" status, instead of "HTTP/1.1 200 OK".

A "HTTP/1.1 304 Not Modified" status does not have to send the content of the page, which reduces traffic.

Related issues:		
duplicates Core - Feature # 17085: HTTP GET 'If-Modified-Since' ignored	**Under Review 2007-03-06**	

History

#1 - 2014-12-13 10:19 - Patrick Broens

- Parent task set to #63815

#2 - 2014-12-13 10:28 - Patrick Broens

- TYPO3 Version changed from 6.2 to 7

#3 - 2014-12-18 15:28 - Sigfried Arnold

In principle, this is a good idea - but it is a bad idea to bind this at SYS_LASTCHANGED since this value does not necessarily contain the needed information

for example, if the page contains a plugin which generates a "random" output, you can't send 304 by comparing with SYS_LASTCHANGED - and TYPO3 simply does not know if an INT-cObject has not changed since the last request.

The only soltion for that would be a *really* careful cache configuration (by the Developer using the right cObject and the Editor, by defining those values in the cache control settings) - but this is also not trivial, since taking a page from the TYPO3 cache does not necessarily mean, it has not been modified.