Range Header

DSpace 7 supports the HTTP Range header on the bitstream content endpoint. We can use this to just get parts of a bitstream, pause and resume downloads using a download manager or for other features such as basic HTML 5 video streaming. DSpace advertises this support with the `"Accept-Ranges: bytes"` response header.

Usage

The Range header indicates which part of a bitstream the server should return, currently we support the following formats:

Open-range:

`Range: bytes=<range-start>-`

Closed-range:

`Range: bytes=<range-start>-<range-end>`

Multiple-ranges:

`Range: bytes=<range-start>-<range-end>, <range-start>-<range-end>, <range-start>-<range-end>`

For more information: https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers/Range

Note that DSpace only supports bytes as the unit.

ETAG

For the ETAG response header is populated with the checksum of a bitstream. This should allow users to check if a bitstream has been updated using a HTTP Head request.

HTTP-headers:

The following other HTTP-headers are supported

Header	Explanation
If-None-Match	If this is equal to the checksum of the requested bitstream, a 304 will be returned.
If-Modified-Since	The bitstream will only be returned if it has been modified since the given date
If-Match	Only returns the bitstream if If-Match contains the checksum or "*"
If-Not-Modified-Since	The bitstream will only be returned if it has NOT been modified since the given date