

US 6,453,335 priority date 1998-07-21

An edge server of a CDN is a more advanced version of a reverse proxy, as it could be employed in Apache 1.3.0, which was released before the priority date (1.3.1 can probably also be used).

Read https://httpd.apache.org/docs/2.4/howto/reverse_proxy.html. Ignore the stuff that did not exist in 1.3.0 and focus on ProxyPass and ProxyPassReverse.

Download 1.3.0 from: <https://archive.apache.org/dist/httpd/> Untar and open [apache_1.3.0/htdocs/manual/mod/mod_proxy.html](https://archive.apache.org/dist/httpd/apache_1.3.0/htdocs/manual/mod/mod_proxy.html)

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| <p>1. A method for providing an internet third party data channel, said third party data channel being established within an existing data channel between an internet server and an internet client, said third party data channel connecting a data source distinct from said internet server to said internet client, said method including the steps of:</p> | <p>Using mod.proxy to provide a reverse proxy that fetches content from a backend server, modifying the fetched content with a data source distinct from the internet server and internet client. (The word "third-party" is either ignored, or very important for non-infringement.)</p> |
| <p>a) using a processing device distinct from said internet server for monitoring said existing data channel for a data communication having a predetermined property, said data communication having an intended recipient of one of said internet server and said internet client,</p> | <p>The apache server configured as a reverse proxy is such a processing device. It monitors the responses from the backend server for redirects.</p> |
| <p>b) upon detection of said data communication, performing:</p> | <p>If the status code of a HTTP redirect is detected, then...</p> |
| <p>b1) the step of accessing said data source to obtain third party data,</p> | <p>mod.proxy uses the configuration data of ProxyPassReverse to...</p> |
| <p>b2) a step selected from the group consisting of the step of modifying said data communication in response to said third party data and the step of replacing said data communication in response to said third party data to obtain a resultant data communication, and</p> | <p>modify the HTTP redirect according to the ProxyPassReverse rule and then...</p> |
| <p>b3) the step of sending said resultant data communication to said intended recipient.</p> | <p>pass on the modified HTTP redirect to the client.</p> |