

Computer Networks

Assignment 02

Proxy server with caching

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A proxy server with a limited cache ability has been implemented

Proxy server runs at <http://127.0.0.1:12345>

Main server runs at <http://127.0.0.1:20000>

Run the server using the command - python2 server.py

Run the proxy server using command - python2 proxyserver.py

The files 1.txt, 2.binary and trial.txt are present in the server directory

curl requests were made to access the files

Eg: curl -x <http://127.0.0.1:12345> <http://127.0.0.1:20000/1.txt> to access the file 1.txt from the server, and this will result in a cached file in a cache directory in the server directory. The next access is going to be faster.

Browser can also be used to communicate with the server.

Bonus implemented: Multiple requests can be handled by the proxy server simultaneously using threads.

```
sumukh@t430: ~/Documents/dump
File Edit View Search Terminal Help
sumukh@t430:~/Documents/dump$ curl -x http://127.0.0.1:12345 http://127.0.0.1:20000/1.txt
Hello world.

Lorem ipsum.

File sumukh@t430:~/Documents/dump$ curl -x http://127.0.0.1:12345 http://127.0.0.1:20000/trial.txt
Kindness to he horrible reserved ye. Effect twenty indeed beyond for not had county. The use him without greatly can private. Increasing it unpleasant no of contrasted no conti
nuing. Nothing colonel my no removed in weather. It dissimilar in up devonshire inhabiting.

Is at purse tried jokes china ready decay an. Small its shy way had woody downs power. To denoting admitted speaking learning my exercise so in. Procured shutters mr it feeling
s. To or three offer house begin taken an at. As dissuade cheerful overcame so of friendly he indulged unpacked. Alteration connection to so as collecting me. Difficult in dell
vered extensive at direction allowance. Alteration put use diminution can considered sentiments interested discretion. An seeing feebly stairs an branch income me unable.

Folly was these three and songs arose whose. Of in vicinity contempt together in possible branched. Assured company hastily looking garrets in oh. Most have love my gone to thi
s so. Discovered interested prosperous the our affronting insipidity day. Missed lovers way one vanity wishes nay but. Use shy seemed within twenty wished old few regret passed
. Absolute one hastened mrs any sensible.

Months on ye at by esteem desire warmth former. Sure that that way gave any fond now. His boy middleton sir nor engrossed affection excellent. Dissimilar compliment cultivated
preference eat sufficient may. Well next door soon we mr he four. Assistance impression set insipidity now connection off you solicitude. Under as seems we me stuff those style
at. Listening shameless by abilities pronounce oh suspected is affection. Next it draw in draw much bred.

Piqued favour stairs it enable exeter as seeing. Remainder met improving but engrossed sincerity age. Better but length gay denied abroad are. Attachment astonished to on appea
rance imprudence so collecting in excellence. Tiled way blind lived whose new. The for fully had she there leave merit enjoy forth.

Of resolve to gravity thought my prepare chamber so. Unsatiated entreaties collecting may sympathize nay interested instrument. If continue building numerous of at relation in
margaret. Lasted engage roused mother an an at. Other early while if by do to. Missed living excuse as be. Cause heard fat above first shall for. My smiling to he removal weath
er on anxious.

Yet bed any for travelling assistance indulgence unpleasing. Not thoughts all exercise blessing. Indulgence way everything joy alteration boisterous the attachment. Party we ye
ars to order allow asked of. We so opinion friends me message as delight. Whole front do of plate heard oh ought. His defective nor convinced residence own. Connection has put
impossible own apartments boisterous. At jointure ladyship an insisted so humanity he. Friendly bachelor entrance to on by.

Supplied directly pleasant we ignorant ecstatic of jointure so if. These spoke house of we. Ask put yet excuse person see change. Do inhabiting no stimulated unpleasing of adm
ration he. Enquire explain another he in brandon enjoyed be service. Given mrs she first china. Table party no or trees an while it since. On oh celebrated at be announcing dis
similar insipidity. Ham marked engage oppose cousin ask add yet.

Or kind rest bred with an shed then. In raptures building an bringing be. Elderly is detract tedious assured private so to visited. Do travelling companions contrasted it. Mist
ress strongly remember up to. Ham him compass you proceed calling detract. Better of always missed we person mr. September smallness northward situation few her certainty sonet
hing.

In to an attended desirous raptures declared diverted confined at. Collected instantly remaining up certainly to necessary as. Over walk dull into son boy door went new. At or
happiness commanded daughters as. Is handsome an declared at received in extended vicinity subjects. Into miss on he over been late pain an. Only week bore boy what fat case le
ft use. Match round scale now sex style far times. Your me past an much.

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