HTTP SERVER

Description

This is a simple multi-threaded HTTP server build using sockets. The interaction between client and server is through sockets. This server supports only GET requests and maintains the server access details for the admin to view at any time(no authorization). The access details will be persisted even though the server is restarted or crashed. Server will return the precise response for the request made by the user. If the request is invalid or unauthorized, server will give the exact reason for the denial.

How to use the HTTP server

Steps

1) Execute the server script using **./server** command inside the **adhinag_p1** folder.

2) Host and Port information will be displayed when the server is started.

3) With the above information users can access the following URI's via web browser, wget or any rest client:

- http://<host_name>:<port_no>/www/server.html
- http://<host_name>:<port_no>/www/pdf-sample.pdf
- http://<host_name>:<port_no>/www/lena_std.tif
- http://<host_name>:<port_no>/www/skype-ubuntu.deb

4) To view server access list:

- http://<host_name>:<port_no>/www/access_entries.html

This page will contain the information of clients who accessed the server. Even though the server is restarted previous entries will be persisted. This info will be maintained until it is cleared manually.

5) Users are not authorized to access for the URI:

- http://<host_name>:<port_no>/www (or) http://<host_name>:<port_no>/

6) User can stop the server with **ctrl + c** command.