

Assignment 2 - Fake News Lab

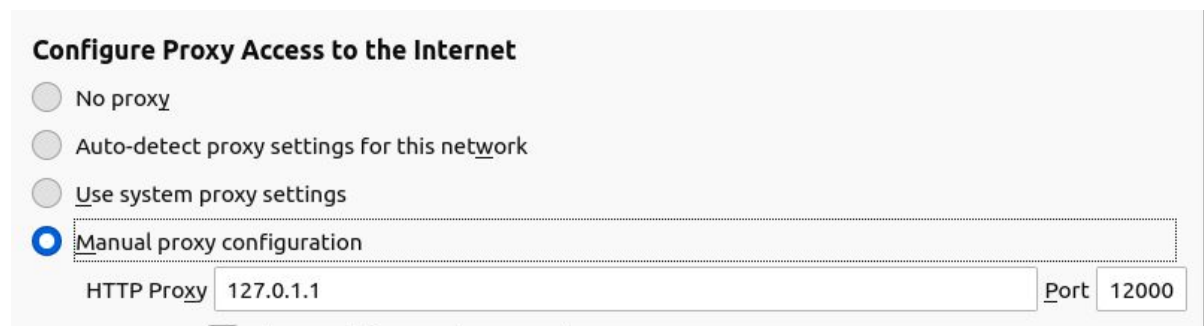
User manual

This proxy is programmed with **python 3.8.5** and can be run on a terminal with a **python3** interpreter.

How to run proxy

1. Configure proxy setting for your browser.
2. For proxy IP use your local ip-address.
3. For port number use 12000.
4. Open a terminal in the same map in which you downloaded proxy.py.
5. Type "python3 proxy.py".
6. You should know be able to see altered-content while browsing the tests

This image shows how you can configure the browser (in this case we used Firefox and local IP address for our machine is 127.0.1.1)



We did testing at home using Firefox browser. It alters contents of messages as described in the lab assignment.

We fulfilled the requirements specifications as mentioned in Assignment instructions which are not limited to following points:

Limitations:

1. We observed that it may take longer time sometimes to load these pages.
2. The proxy may sometimes need to be restarted to work properly. We think that this problem is because of some POST requests that Firefox itself is trying to send.
3. The proxy can handle text/html HTTP sites unless they are sites with "gzip" and "deflate" encoding. We can modify the proxy to ignore decoding this contents but in this manner the proxy will not be able to go through the content and alter "Smiley" to "Trolly" and "Stockholm" to "Linköping".
4. The proxy can be developed to handle multiple requests simultaneously but for now this proxy does not support multiple requests.