## Networks Lab – Torrent (Week 8)

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March 14, 2019

## For this task:

- You will implement some new functionality regarding file transfer
- You will not only synchronize the known nodes but known files too

First, implement a new type of message handling inside your node which will initiate the file transfer with another node. (Don't bother with a protocol for now, we will make it universal in the next lab).

Second, implement the actual file transfer. (For this lab we will transfer only text files).

Your algorithm for that will look something like this:

- Open the file
- Count the number of words and send it to the other node
- Send the contents of the file word by word
- Close the file

## Your final solution:

- should be able to initialize file transfer
- the transferred file's contents should match the initial file

When you will cooperate with other students to check the functionality one of you will be chosen as a "first node" who's ip:port will be hard coded in your program (Or you can take it as an input once your node starts).

Please, submit your code and screenshots as 1 (one) archive