Task 6\_4

Tor is a software that provides anonymous communication through its own network. Therefore it uses the so called onion routing. When installing the software, it connects with a directory with all available addresses to the Tor-servers. These servers apply as nodes for the communication through the Tor-network. Therefore a random route is chosen by the client over the Tor-nodes to establish a communication. The directory also contains the public key of every Tor-node to encrypt the communication between every point of the route. Since the communication is passing mostly three Tor-nodes, it is encrypted several times (onion routing).[1][2]

My browser isn’t able to open *3g2upl4pq6kufc4m.onion*, because .onion addresses are not part of DNS. We would need a special application that is able to connect with the Tor-network. .onion domains can just be reached through the tor-network. [3]