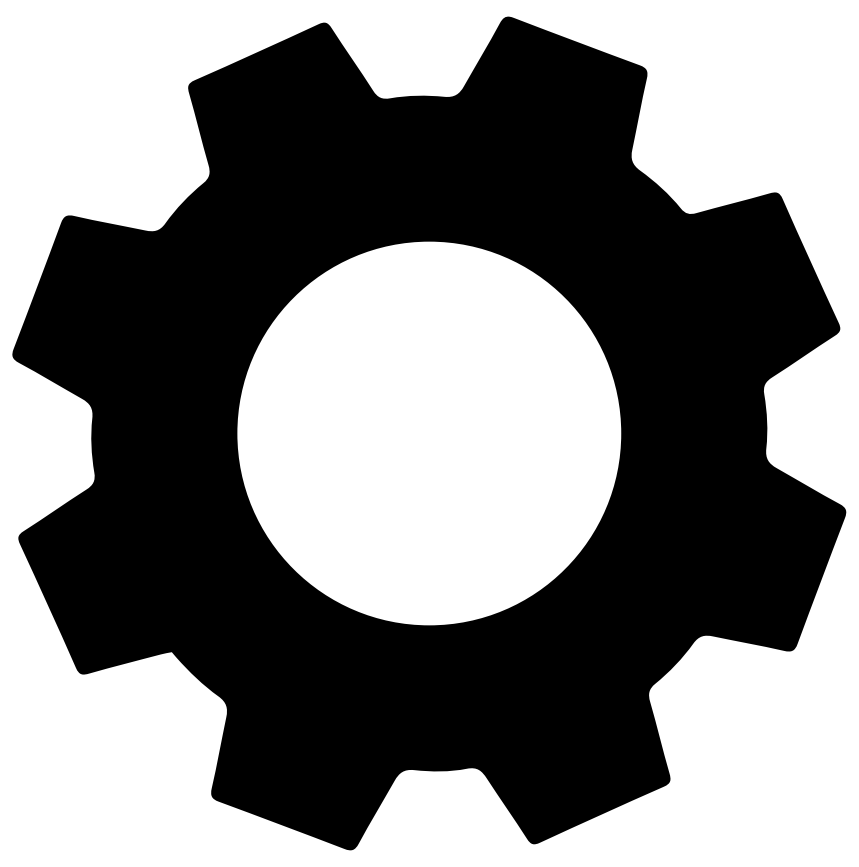
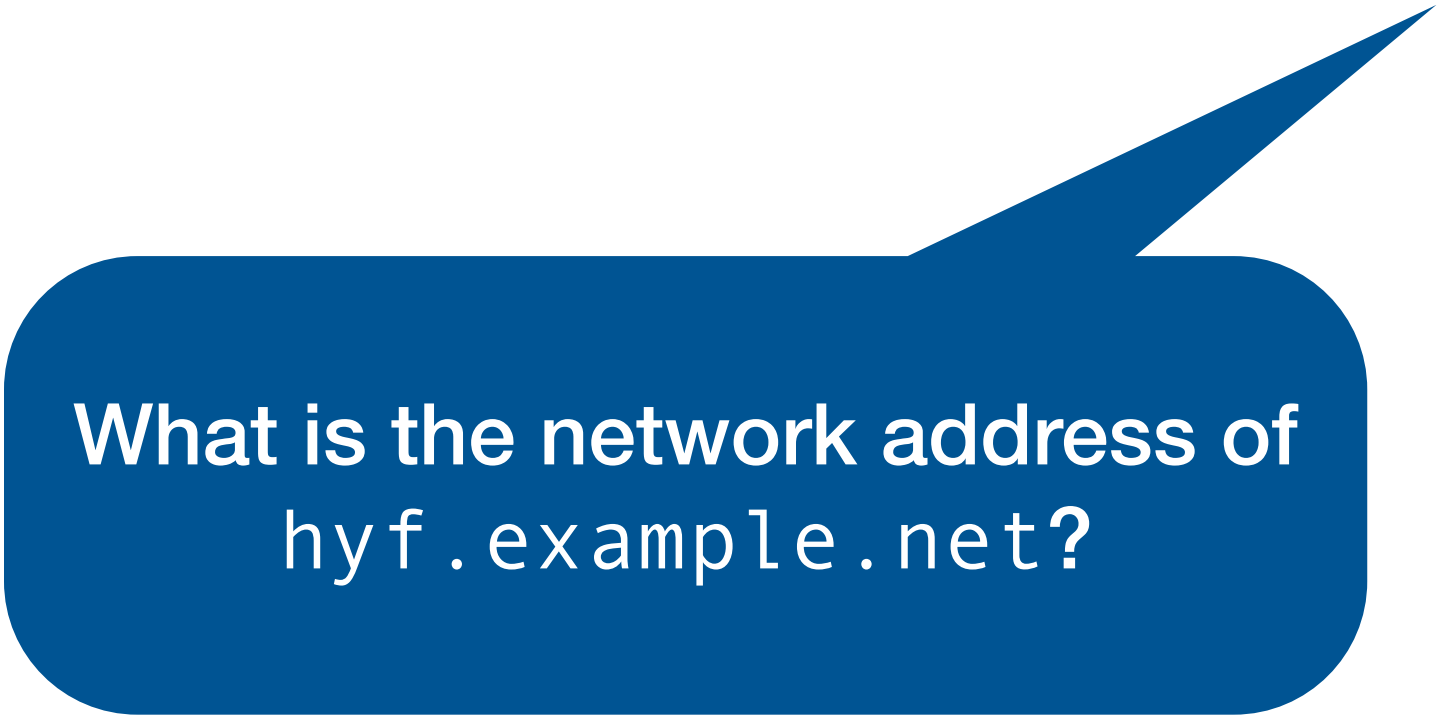
laptop (PC, phone, ...)

web browser



https://**hyf.example.net**/cat


What is the network address of
hyf.example.net?

It's 10.177.31.12

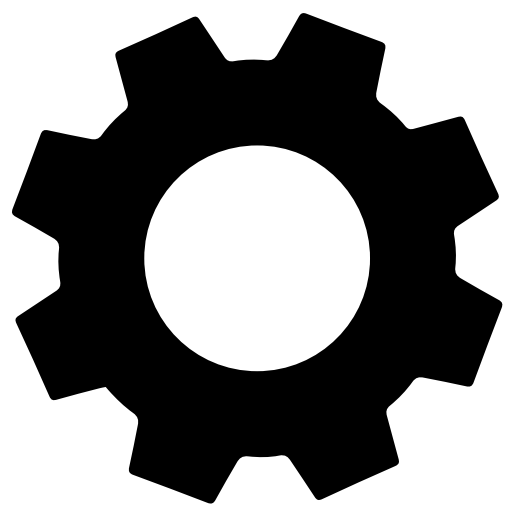
Your Internet router
(typically)

DNS

Maps names to network addresses

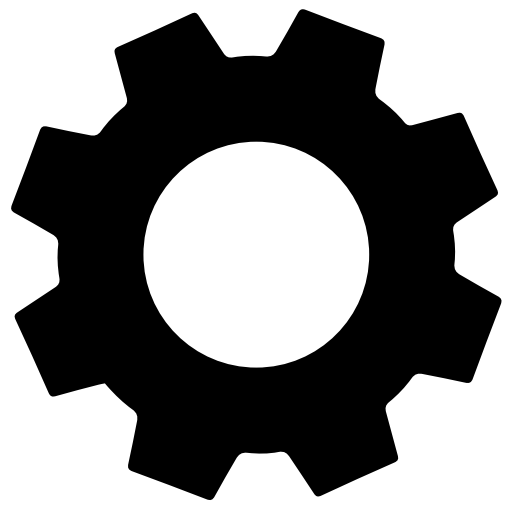
some computer, somewhere on the Internet

web server



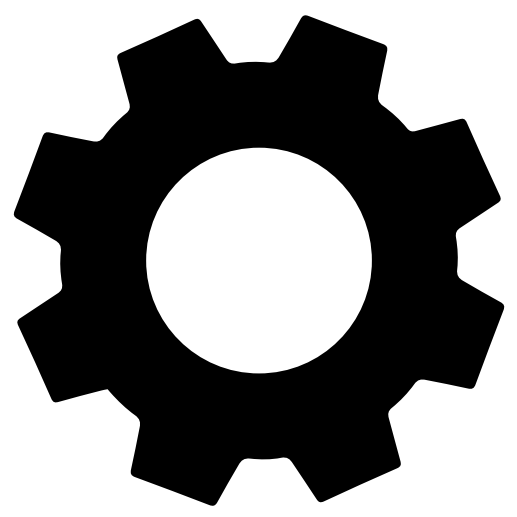
some computer, somewhere on the Internet

web server



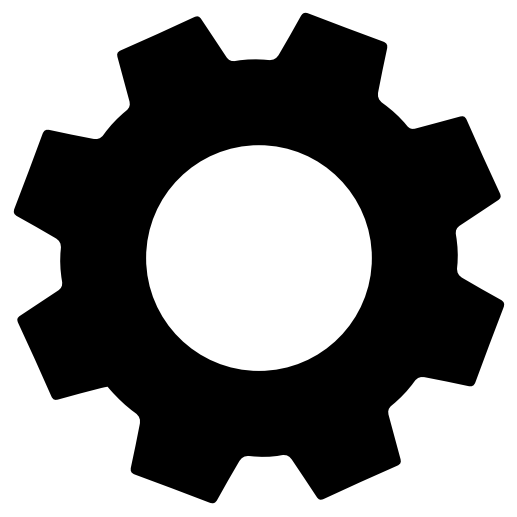
some computer, somewhere on the Internet

web server



some computer, somewhere on the Internet

web server



10.17.41.200

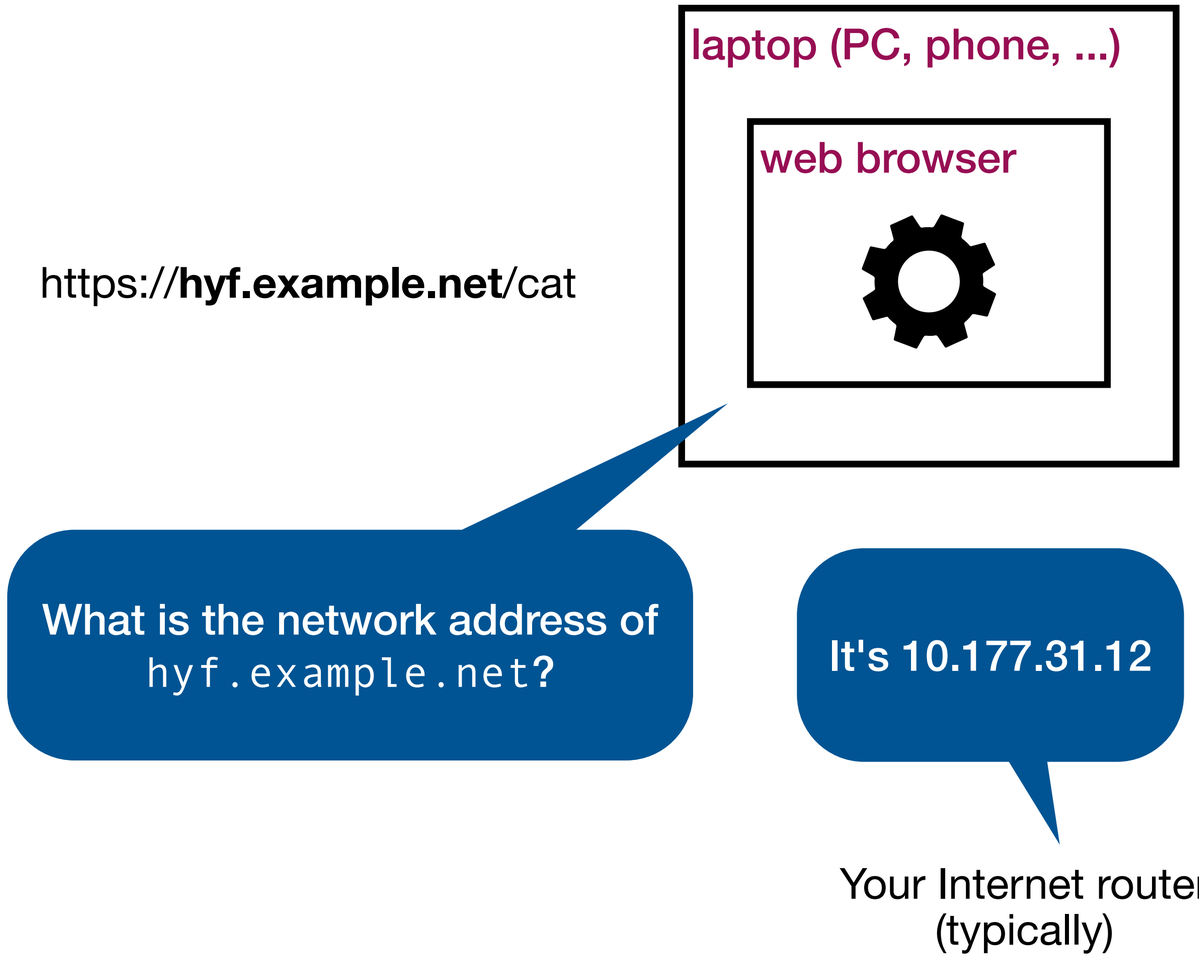
172.28.0.7

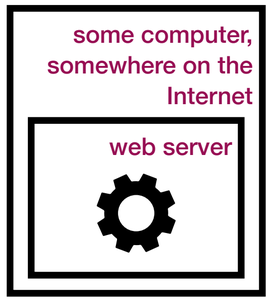
10.177.31.12

172.20.20.20

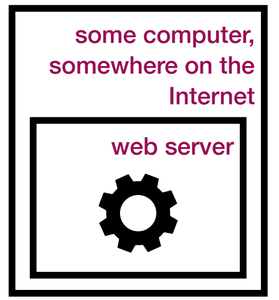
DNS

Maps names to network addresses



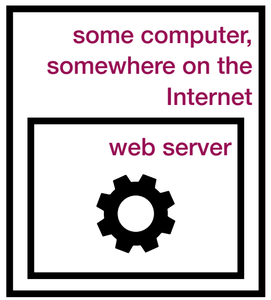


10.17.41.200

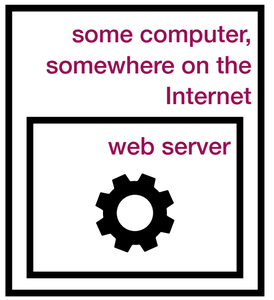


172.28.0.7

172.20.20.20



10.177.31.12



Connection timed out