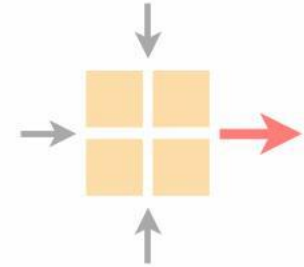


Communication Networks

Spring 2024



Lukas Röllin

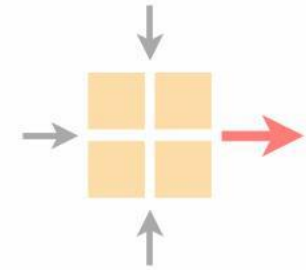
<https://comm-net.ethz.ch/>

ETH Zürich

May 30, 2024

Communication Networks

Exercise 11



Introduction to this week's
exercise

Time to solve the exercise

Task 11.2 & 11.3 Practical Tasks

Make sure you work in your group VM else it won't work

Should not cause issues but still make sure to let your group know when you are working on the exercise

We will keep the VMs running for a bit after the transport project deadline

Reboot in the end to get rid of the DNS configuration changes

Important Commands

<code>dig -x <ip-address></code>	Reverse lookup for IP to DNS mapping
<code>sudo apt install curl</code>	Install curl
<code>ip route</code>	Shows the routing table of the VM
<code>cat <file-path></code>	Print file content
<code>cmd1 cmd2</code>	Pipes output of cmd1 to input of cmd2
<code>grep <search-term></code>	Filter through outputs
<code>sudo reboot</code>	To restart the VM in the end

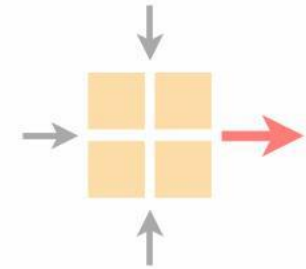
Task 11.4 Extra Task C Programming

Not relevant for the exam

But an interesting task to learn how to setup a socket and send/receive bytes over the network with a C program

Communication Networks

Exercise 11



Introduction to this week's
exercise

Time to solve the exercise

Transport Project Deadline: Tomorrow, May 31