

Workshop task: Communication in Ethernet network

Supported by project IP 2021 FBMI ČVUT

Goal of this workshop task is to get familiar with basic tools and settings in networking.

1. Run command line terminal.
2. Use following commands when working on the questions:
 1. `ipconfig`
 2. `ping (ping -I)`
 3. `tracert`
3. Set up VPN connection to 'private' network. Work with credentials shared on the whiteboard.
4. Explore web interface of industrial temperature/CO2 sensor.
 1. IP address: 192.168.144.191
 2. Check connection with `ping`.
 3. user: user
 4. password: student
5. Install network printer:
 1. IP address: 192.168.144.192
 2. Check connection with `ping`.
 3. Download and install appropriate drivers from vendor's website.
 4. Print something out :) (hint: paper size: 3,5x1,1 “)
6. There is an IP camera running on following address: 192.168.144.190
 1. Check connection with `ping`.
 2. Explore web user interface.
 3. Try to open camera stream in VLC player.

Tasks/Questionnaire :-): PLEASE ANSWER IN BRIEF!!!

Find MAC address of your PC and write it down:

Find IP address (IP v4) of your PC, gateway and write it down.

Try to ping given server. Write down: packet loss and average latency.

Try to traceroute given server. Is the server responding? How many hops are on the link?

NAME, SURNAME, GROUP, DATE:

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