## **Exercise: Networks, Internet and Protocols**

Problems for exercises and homework for the "Software Technologies" course @ Software University.

## 1. Trace the route to a certain IP address

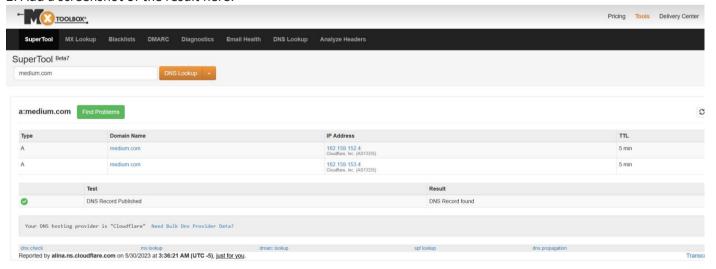
- 1. Use the ping command to test connectivity to an external website of your choosing /Example: wikipedia.com/
- 2. Add a screenshot of the result here:

```
Command Prompt
Microsoft Windows [Version 10.0.22621.1702]
(c) Microsoft Corporation. All rights reserved.
C:\Users\emili>ping projectmanagement.com
Pinging projectmanagement.com [104.18.36.68] with 32 bytes of data:
Reply from 104.18.36.68: bytes=32 time=4ms TTL=60
Reply from 104.18.36.68: bytes=32 time=22ms TTL=60
Reply from 104.18.36.68: bytes=32 time=10ms TTL=60
Reply from 104.18.36.68: bytes=32 time=14ms TTL=60
Ping statistics for 104.18.36.68:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 22ms, Average = 12ms
C:\Users\emili>
```

## 2. Find the IP address behind a domain name

1. Using an online DNS lookup tool, like **DNS Checker** or **MX Toolbox** find the IP address of a domain. /Example: medium.com/

2. Add a screenshot of the result here:











## 3. Execute HTTP GET

- 1. Using <a href="https://restcountries.com/">https://restcountries.com/</a> and DevTools on your browser. Execute a GET request for a country of your choosing. /Example: https://restcountries.com/v3.1/name/deutschland/
- 2. Add a screenshot of the result with DevTools open here:

