



Thesis  
B.Sc.

Thesis  
M.Sc.

Guided  
Research

## Measuring TCP Options in the Wild

### Motivation

TCP Options are commonly used in today's Internet for various purposes. This thesis should investigate how common certain options are. The methodology would consist of both active and passive measurements. A significant amount of existing work can be leveraged for this thesis.

The expected toolchain is ZMap, C, and Python in Jupyter Notebook, but experience in these is not required.

### Your Task

- Conduct periodic Internet-wide scans using ZMap
- Conduct and evaluate passive measurements for TCP Options used
- Analyze and compare both measurement types

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