Multipath Transmission for Content-Centric Networking in Vehicular ad-hoc Networks

Bachelorarbeit
der Philosophisch-naturwissenschaftlichen Fakultät
der Universität Bern

vorgelegt von

Thomas Kolonko
2017

Leiter der Arbeit:
Professor Dr. Torsten Braun
Institut für Informatik und angewandte Mathematik

Contents

List of Figures

List of Tables

Acknowledgment

On this page I would like to thank everybody who supported me to write this bachelor thesis. First I would like to thank my coach Eirini Kalogeiton. She supported me trough the whole process of writing this thesis, spend many hours for pair programming sessions and gave valueable inputs when nothing seemed to work anymore. After that I would like to thank Prof. Dr. Torsten Braun who allowed me to write this thesis in his research group. I am also very grateful for the resources that were generously provided by the reasearch group of Prof. Braun.

Abstract

Content-Centric Networking (CCN) is a new network approach where the focus lies on the names and not on the host identifiers. This new network approach comes with many benefits.

What did I try to do

What did I achieve

Chapter 1

Introduction

Blablabla

1.1 General

1.2 Study Subject

1.3 Motivation

1.4 Outline

Chapter 2

Related Work

2.1 CNN

2.2 VANETS

Chapter 3

ndnSIM

3.1 Simulation Environment

Chapter 4

Design and Implementation

4.1 Problem Description

4.2 Multipath approach

Chapter 5

Evaluation

Chapter 6

Conclusion

6.1 Summary and Conclusion

6.2 Future Work

Chapter 7

Appendix

Bibliography

[1] Van Jacobson, Diana K. Smetters, James D. Thornton, Michael Plass, Nick Briggs, Rebecca Baynard, *Networking Named Content*, Parc, Paolo Alto