Thesis Structure Outline

Abstract

Introduction

* working environment
* Motivation
* Objective
* Limitations
* Thesis Outline

Related Work

* P2P
* Bittorrent
* dht
* kademlia
* MTU
* IP Protocol
  + TCP
  + UDP
  + QUIC
* LSQUIC Library( here? )

Concept and Design

* Concept
* Problem description
  + larger data transmission
  + limitation of MTU
  + features of IP protocols
* Design
  + Staxnet
  + All nodes propagation model
  + Direct tunnel based Peer to Peer model

Implementation

* Background Information
* Requirement
* Used techniques
* Overview
* Pre-processing ( Staxnet )
* Model Implementation
  + All nodes propagation model
    - Transmission method
    - Data encryption
  + Direct tunnel based Peer to Peer model
    - Transmission method
    - Data encryption

Evaluation

* All nodes propagation model
  + benchmark the propagation time int n nodes the m kbytes data (how many nodes?)
  + benchmark when the system sets different size of packet, submission time into the node
  + benchmark the download time int n nodes the m kbytes data (how many nodes?)
* Direct tunnel based Peer to Peer model
  + Benchmark time to push the Key-value int n nodes (how many nodes?)
  + Benchmark download time n kbytes data between via different protocols
  + Benchmark error rate of downloading different size of data (Maybe 1000 times?)

Conclusion

* Result of thesis
* Further work

List of Tables

List of Figures

Appendices

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In concept & design chapter describe the architecture using the activity diagram and the useCase diagram

In implementation chapter describe the functions using the class diagram and the sequence diagram