

Simulation of TLS (42)

Leskovar Lukas Andreios (KatNr), 5BHIF

March 2022

Contents

1	Introduction	2
2	Class-diagram	2
2.1	Classes	2
3	Implementation	2
3.1	TLS 1.0	2
3.1.1	Key Generation	2
3.1.2	Handshake	2
4	Description of code-blocks	2
4.1	TLS	2
4.2	Protobuf & gRPC	2
4.3	External Libraries	2
4.3.1	CLI11	2
4.3.2	spdlog	2
4.3.3	JSON	2
5	Usage	2
5.1	Command Line Arguments	2
5.1.1	Configuration	2
6	Project Structure	3

1 Introduction

...

2 Class-diagram

2.1 Classes

3 Implementation

3.1 TLS 1.0

3.1.1 Key Generation

3.1.2 Handshake

4 Description of code-blocks

4.1 TLS

4.2 Protobuf & gRPC

4.3 External Libraries

4.3.1 CLI11

4.3.2 spdlog

4.3.3 JSON

5 Usage

5.1 Command Line Arguments

5.1.1 Configuration

6 Project Structure

References