SCIENCE-HACK inspired by: TUM: Junge Akademie

ERLEBEN, WAS VERBINDET.

DEZEMBER

2018

TEAM MAGENTA

Setup a webserver with QUIC and benchmark it

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AGENDA

01 What is Quic?

02 Chromium

03 Proto-Quic and Lib-Quic

04 Quick-Go

05 Quic-Go with Caddy

01. WHAT IS QUIC?

- New (web) communication protocol
- Developed by Google using UDP
- Good alternative to TLS, TCP, HTTP
- Doesn't need support from the OS
- Allways encrypted
- Might become HTTP/3.0

02. CHROMIUM

- very large and complex
- server only for integration testing, not performant
- takes very long to build (didn't finish yesterday)

- Alternatively: tried to extract quic_server and quic_client from chromium
- Given example client and server weren't able to connect

Not suitable for a first try

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NEXT!

03. PROTO-QUIC AND LIB-QUIC

- Extracted from chromium
- Only one dependency
- Not supported anymore
- No documentation about how to use it

No real alternatives to the original



Works, but more time to learn Go needed

Modification not possible due to language barriers

- New language for us
 - Executing Go-packages is difficult

Way less dependencies than chromium

- Got the given example server running but not with Chrome
- Modification not possible due to language barriers

04. QUIC-GO

Written in Go







