

Advanced Computer Networking (ACN)

QUIC Project – Description

Prof. Dr.-Ing. Georg Carle

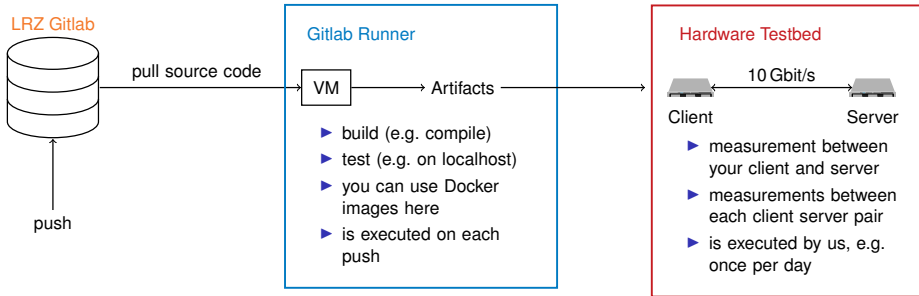
Benedikt Jaeger, Marcel Kempf, Johannes Zirngibl

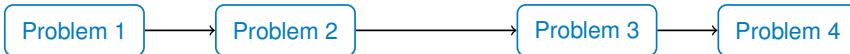
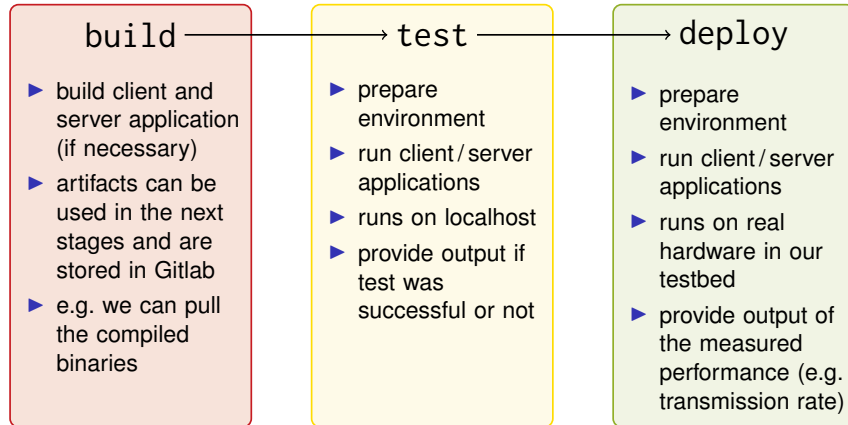
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- We use the LRZ Gitlab as infrastructure for this project
- You will get access to some shared repositories as well as a personal working repository

Gitlab CI

- This allows you to automatically compile your applications and access the artifacts via Gitlab



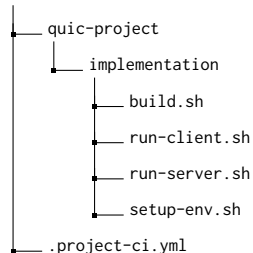


Deadline: December 19, 2023, 4:00 PM

Tasks:

- Implement a HTTP/3 client and server based on the chosen library
 - Your implementation needs to use specified environment variables during setup
 - They need to support a QUIC handshake and download a file using HTTP/3 afterwards
- Setup a script that allows to build your implementation in the Gitlab CI
- Pass the first test in the Gitlab CI (*HANDSHAKE* test)

We will provide you with template files used by the CI:



files

.project-ci.yml	configuration file for the CI
build.sh	this script is called to compile your binaries
setup-env.sh	this script is called to prepare the environment
run-client.sh	this script is called to run the client application
run-server.sh	this script is called to run the server application
